Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Data File : VN051431.D
Acq On : 23 Sep 2018 23:22
Operator : MD\SY
Sample : PB113124ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** PB113124ZHE#02

Quant Time: Sep 24 06:50:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 662360 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 1017777 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 843721 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 298264 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 442147 | 53.29 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 106.58% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 396968 | 48.78 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.56% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1413224 | 46.11 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.22% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 380710 | 38.40 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.56 | 94 | 1518 | 0.292 | ug/l | 83 |
| 16) Acetone | 3.82 | 43 | 18279 | Below Cal | | 97 |
| 18) Methyl Acetate | 4.34 | 43 | 10080 | 1.595 | ug/l # | 74 |
| 20) Methylene Chloride | 4.55 | 84 | 6298 | 0.767 | ug/l # | 87 |
| 25) 2-Butanone | 6.84 | 43 | 4636 | 1.632 | ug/l | 94 |
| 29) Tetrahydrofuran | 7.22 | 42 | 755 | 0.420 | ug/l # | 51 |
| 31) Cyclohexane | 7.66 | 56 | 12595 | 0.964 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.67 | 75 | 46443 | 3.941 | ug/l # | 49 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 59636 | 4.838 | ug/l # | 16 |
| 43) Isopropyl Acetate | 8.17 | 43 | 250225 | 20.420 | ug/l | 96 |
| 48) Methyl methacrylate | 9.18 | 41 | 5996 | 0.981 | ug/l # | 19 |
| 51) 4-Methyl-2-Pentanone | 9.99 | 43 | 1576 | 0.234 | ug/l | 98 |
| 59) 2-Hexanone | 10.77 | 43 | 14337 | 3.282 | ug/l # | 61 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 188577 | 38.086 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 188577 | 117.111 | ug/l # | 12 |
| 93) 1,2,4-Trichlorobenzene | 14.90 | 180 | 265 | 6.022 | ug/l # | 75 |
| 95) Naphthalene | 15.14 | 128 | 781 | 8.103 | ug/l # | 69 |

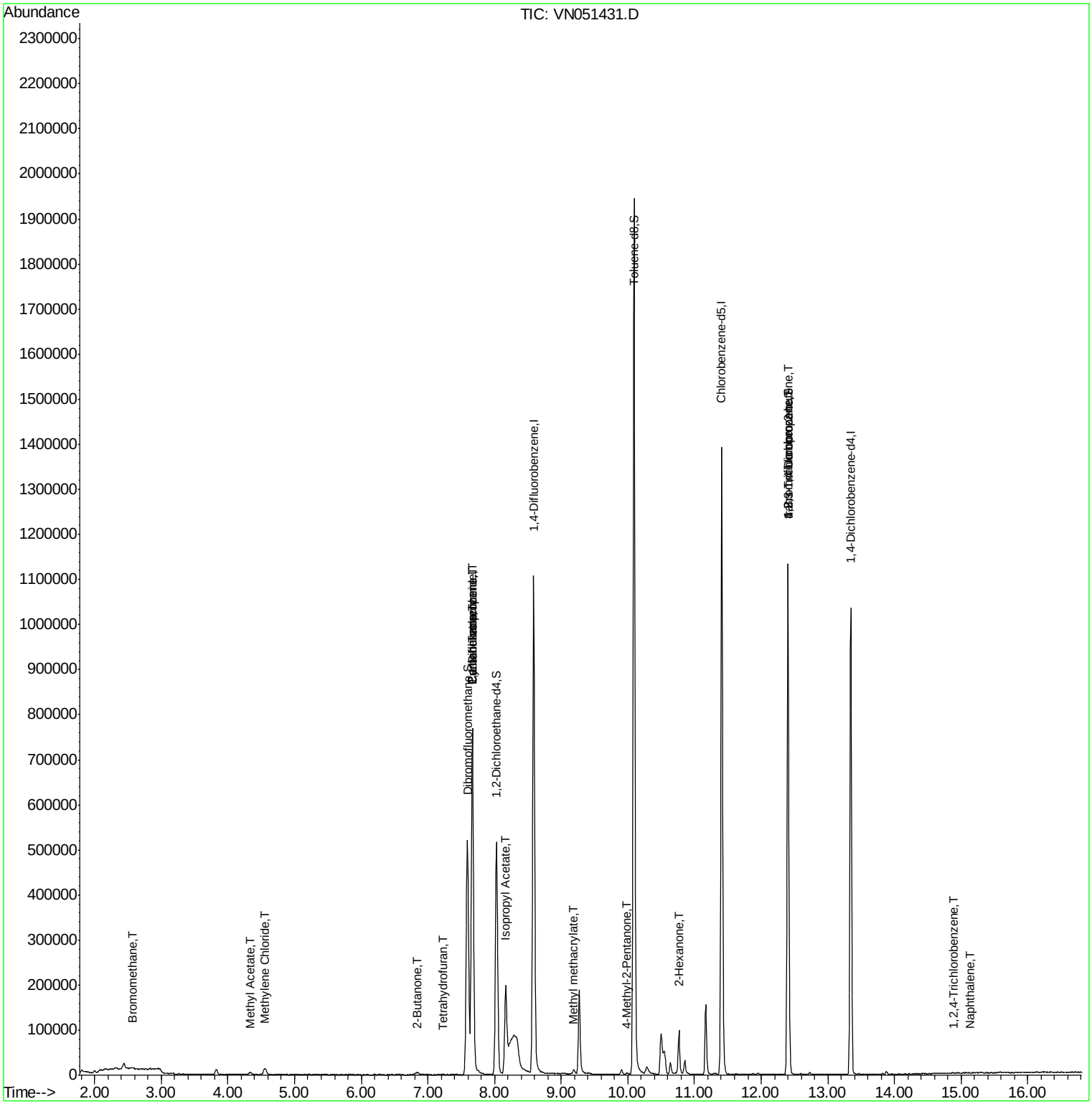
(#) = qualifier out of range (m) = manual integration (+) = signals summed

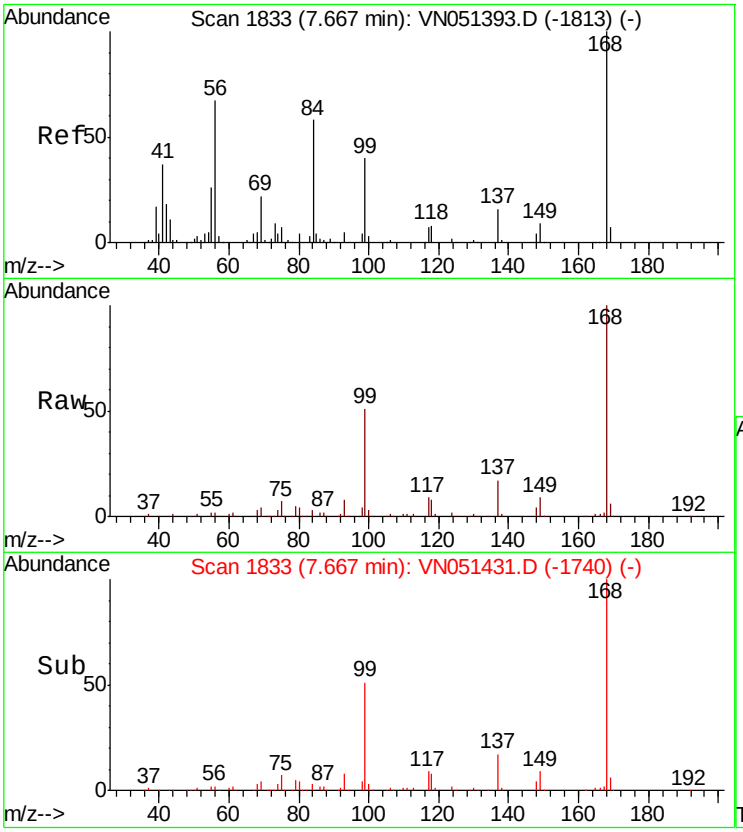
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Data File : VN051431.D
Acq On : 23 Sep 2018 23:22
Operator : MD\SY
Sample : PB113124ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Quant Time: Sep 24 06:50:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration

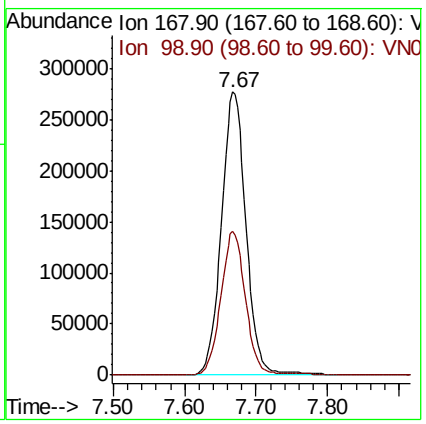




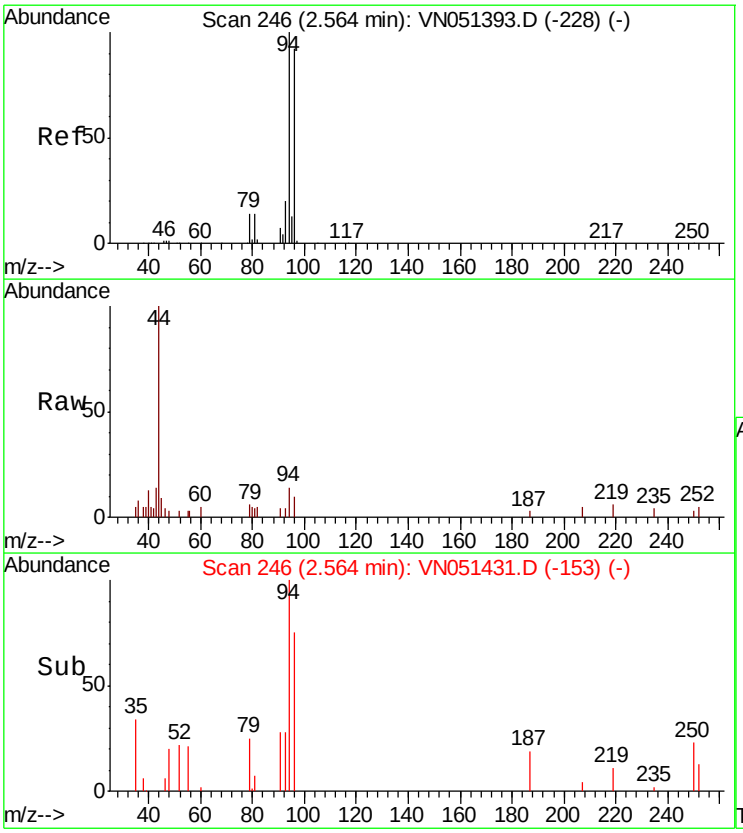

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion:168 Resp: 662360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.9 | 40.2 | 60.2 |



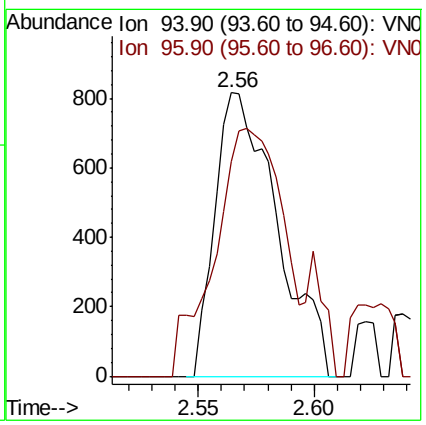

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

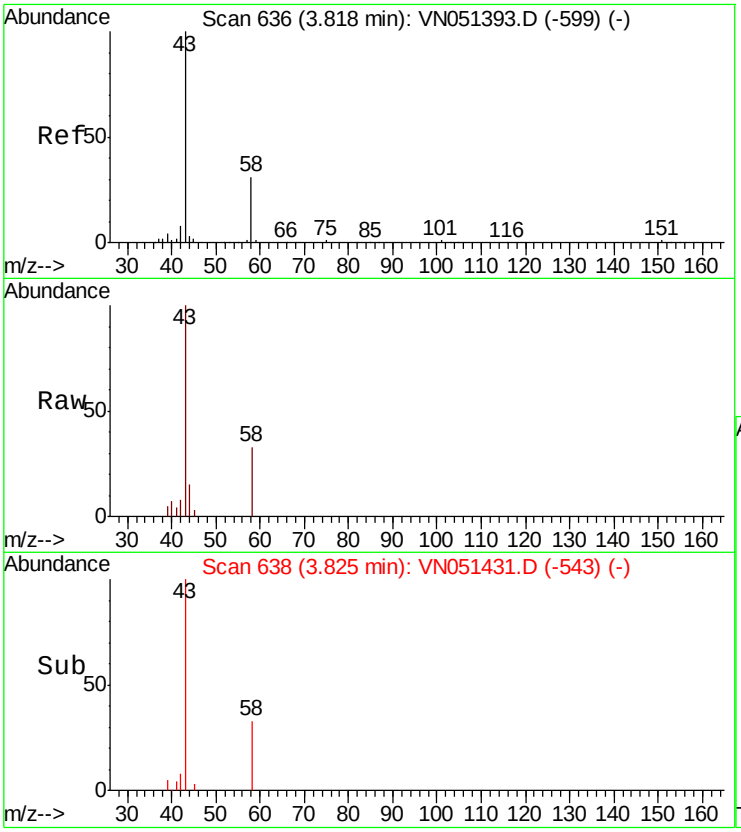



#5
Bromomethane
Concen: 0.292 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 94 Resp: 1518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 75.5 | 73.6 | 110.4 |



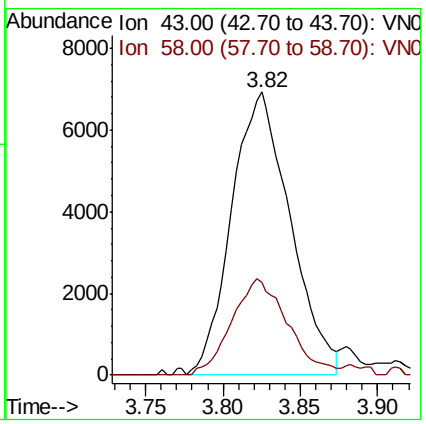


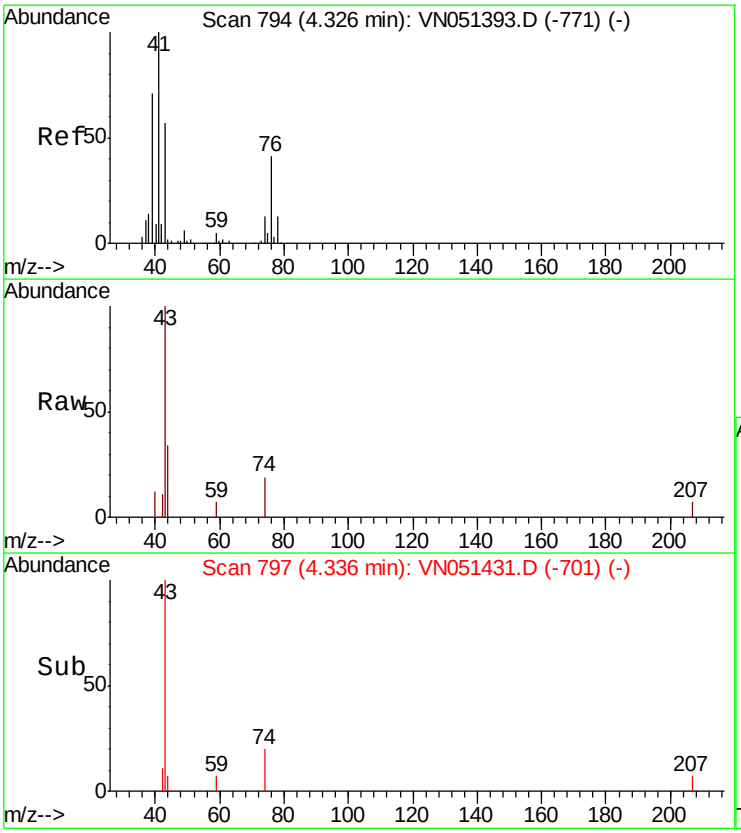

#16
Acetone
Concen:  Below Cal
RT: 3.82 min  Scan# 638
Delta R.T.  0.01 min
Lab File:  VN051431.D
Acq: 23 Sep 2018  23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 43 Resp:  18279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.9 | 25.0 | 37.4 |

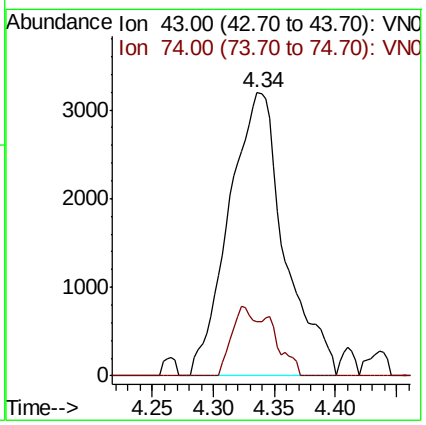


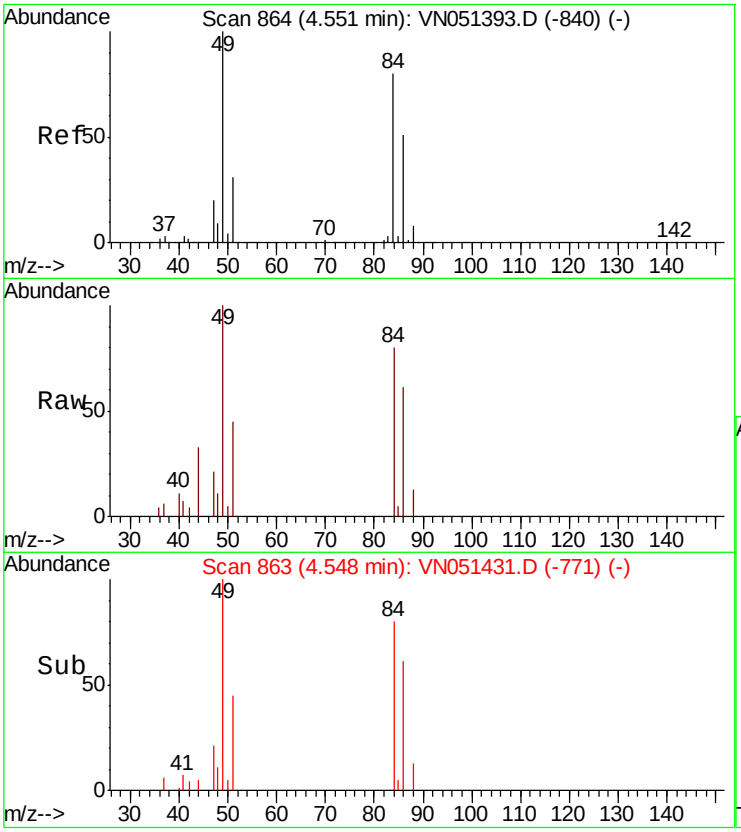




#18
Methyl Acetate
Concen:  1.595 ug/l
RT: 4.34 min  Scan# 797
Delta R.T.  0.01 min
Lab File:  VN051431.D
Acq: 23 Sep 2018  23:22

Tgt Ion: 43 Resp:  10080

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



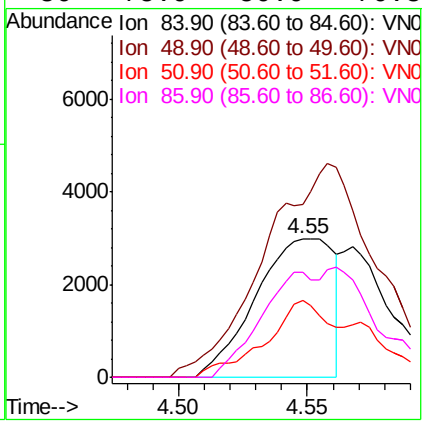


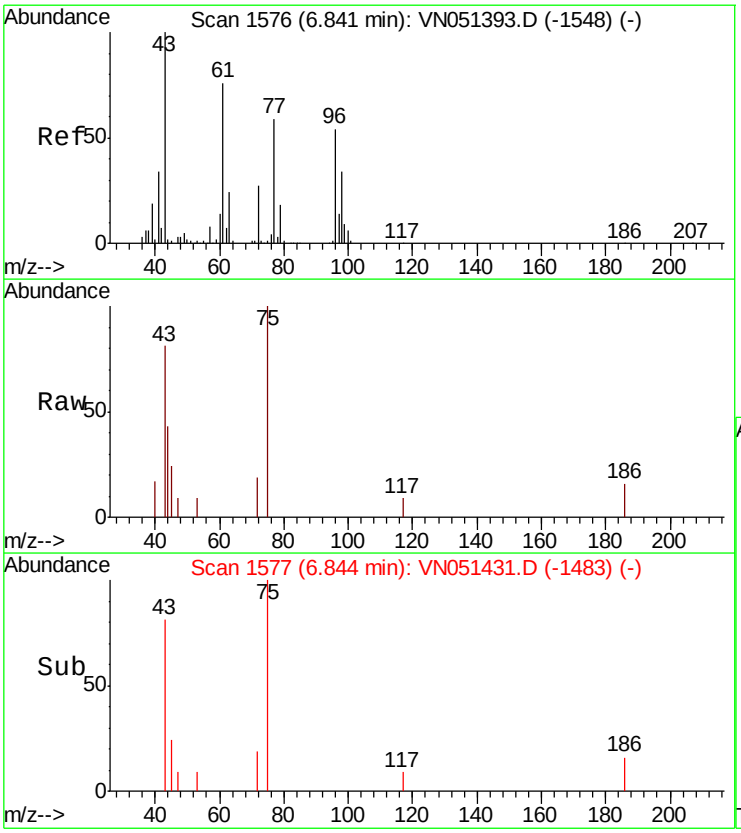

#20
Methylene Chloride
Concen: 0.767 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :** MSVOA_N
**ClientSampleId :** PB113124ZHE#02

Tgt Ion: 84 Resp: 6298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 115.9 | 99.9 | 149.9 |
| 51 | 55.6 | 31.4 | 47.2# |
| 86 | 75.9 | 50.9 | 76.3 |

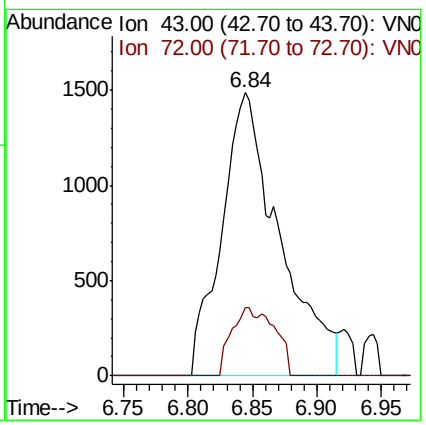


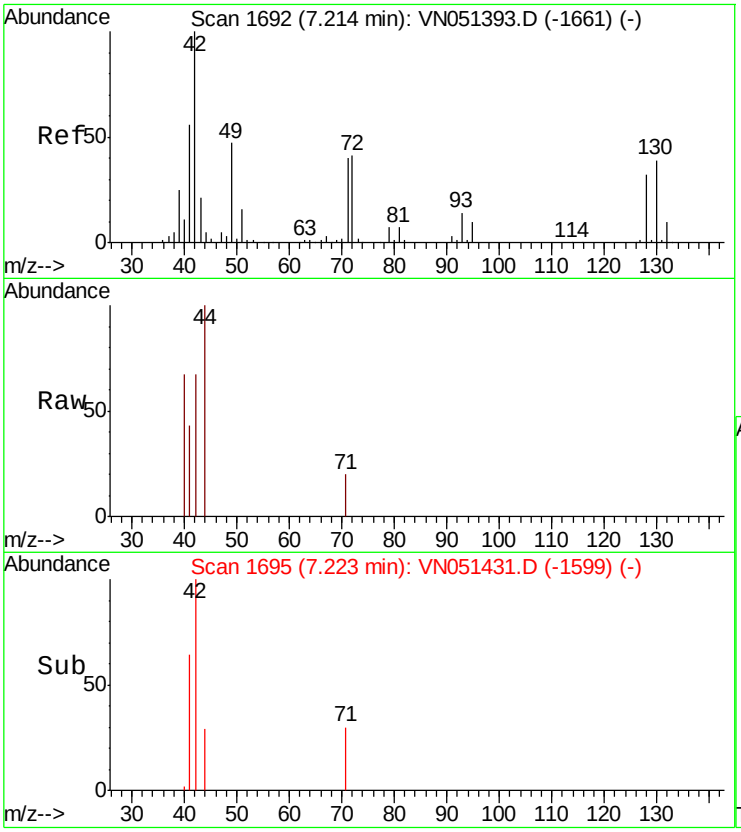




#25
2-Butanone
Concen: 1.632 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 43 Resp: 4636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 21.8 | 32.6 |



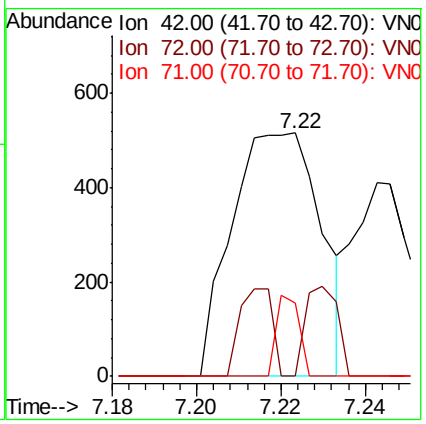


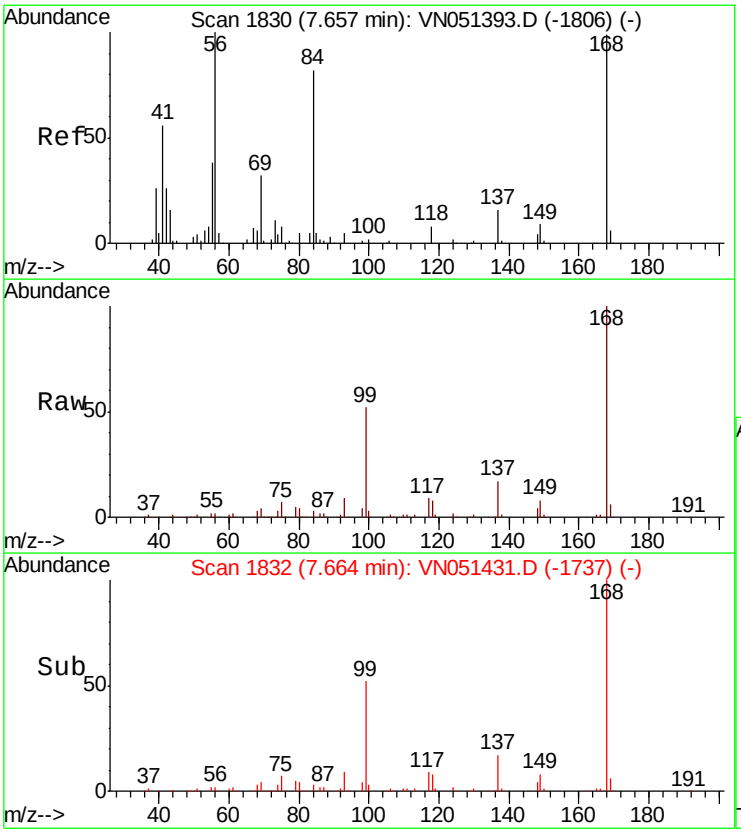

#29
Tetrahydrofuran
Concen: 0.420 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 42 Resp: 755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 13.4 | 34.3 | 51.5# |
| 71 | 8.3 | 32.2 | 48.4# |

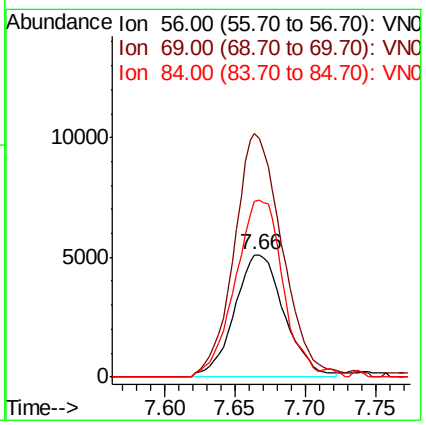


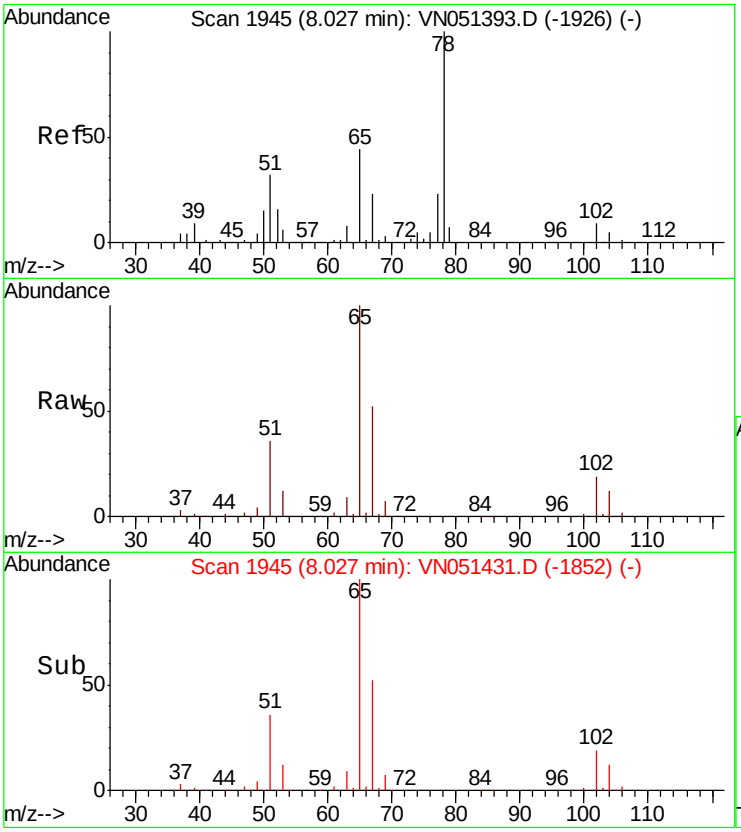




#31
Cyclohexane
Concen: 0.964 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 56 Resp: 12595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 199.4 | 25.8 | 38.6# |
| 84 | 143.7 | 66.0 | 99.0# |



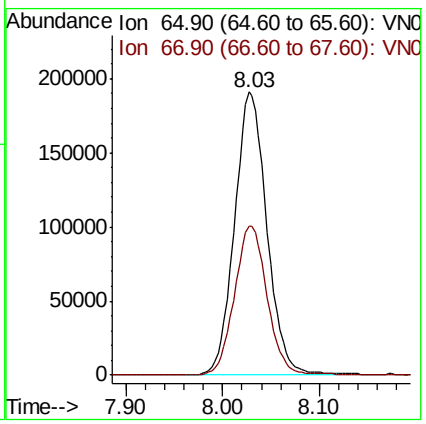


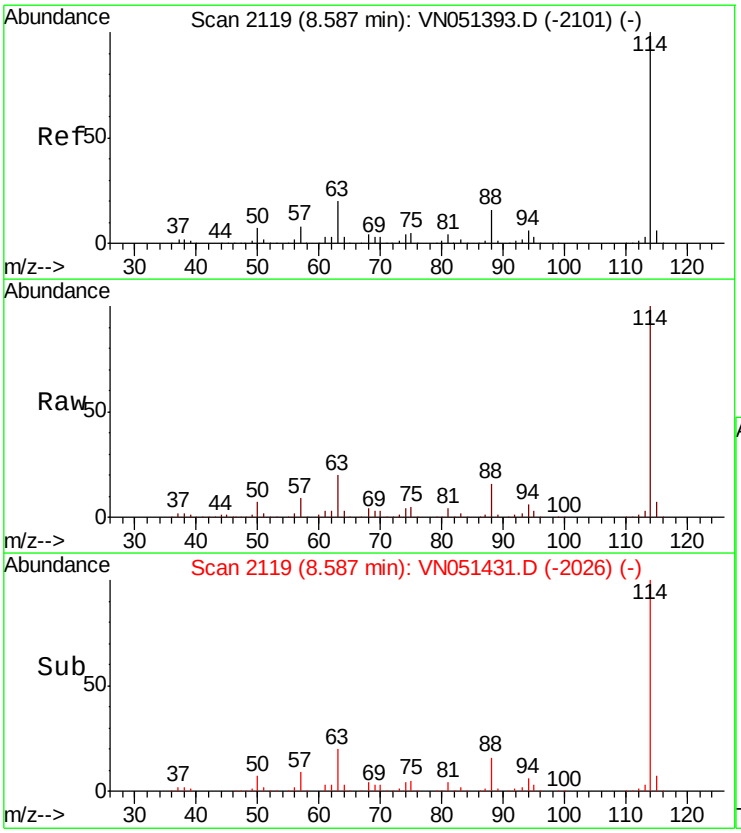

#33
1,2-Dichloroethane-d4
Concen: 53.288 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 65 Resp: 442147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 107.8 |

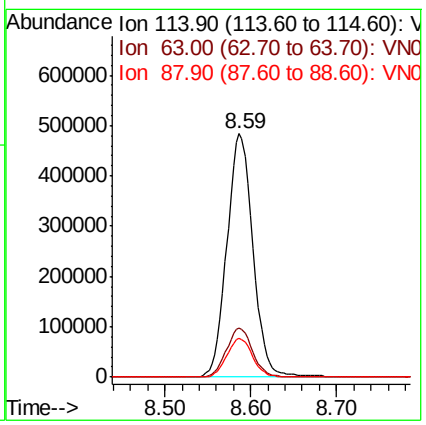


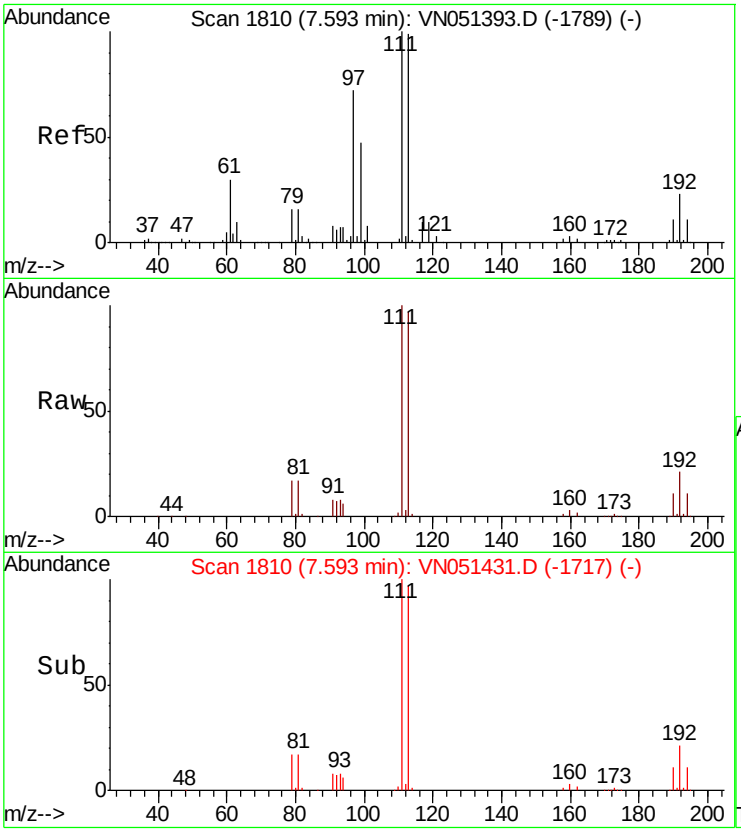




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion:114 Resp: 1017777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 40.2 |
| 88 | 15.8 | 0.0 | 31.4 |



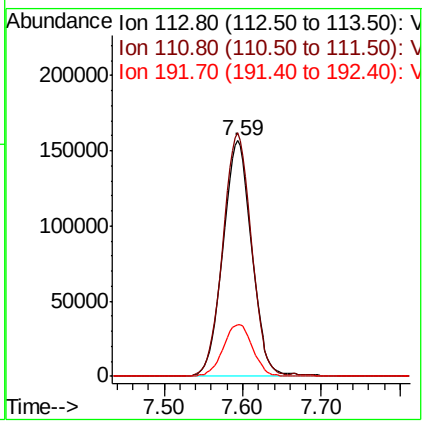


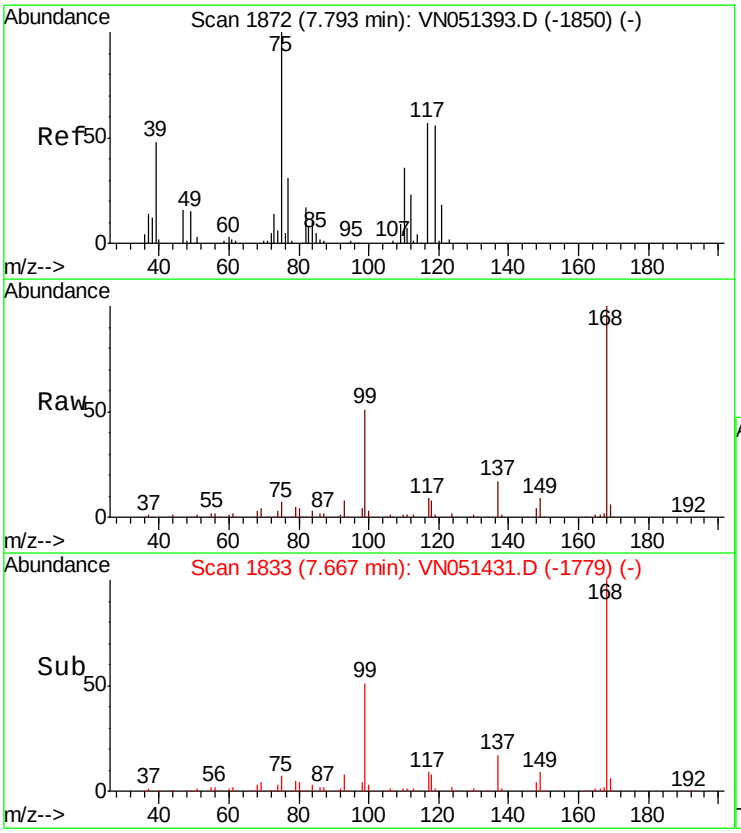

#35
Dibromofluoromethane
Concen: 48.775 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion:113 Resp: 396968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 82.6 | 123.8 |
| 192 | 22.5 | 18.0 | 27.0 |

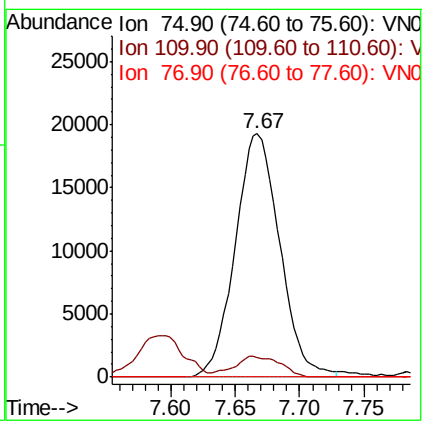


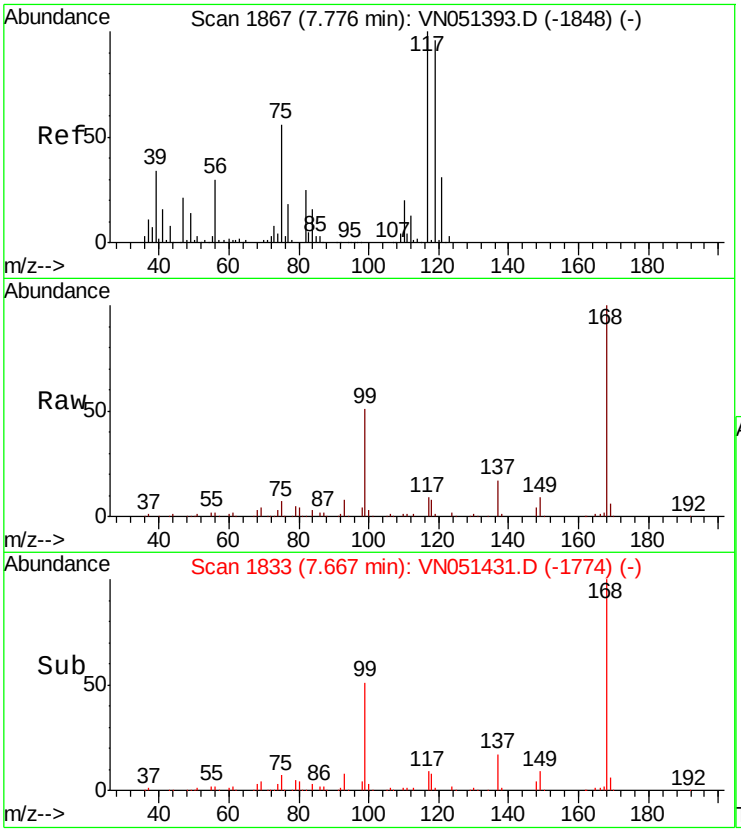




#36
1,1-Dichloropropene
Concen: 3.941 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 75 Resp: 46443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.9 | 18.1 | 54.3# |
| 77 | 0.0 | 25.6 | 38.4# |



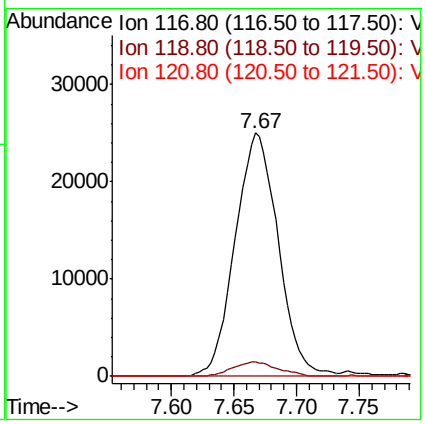


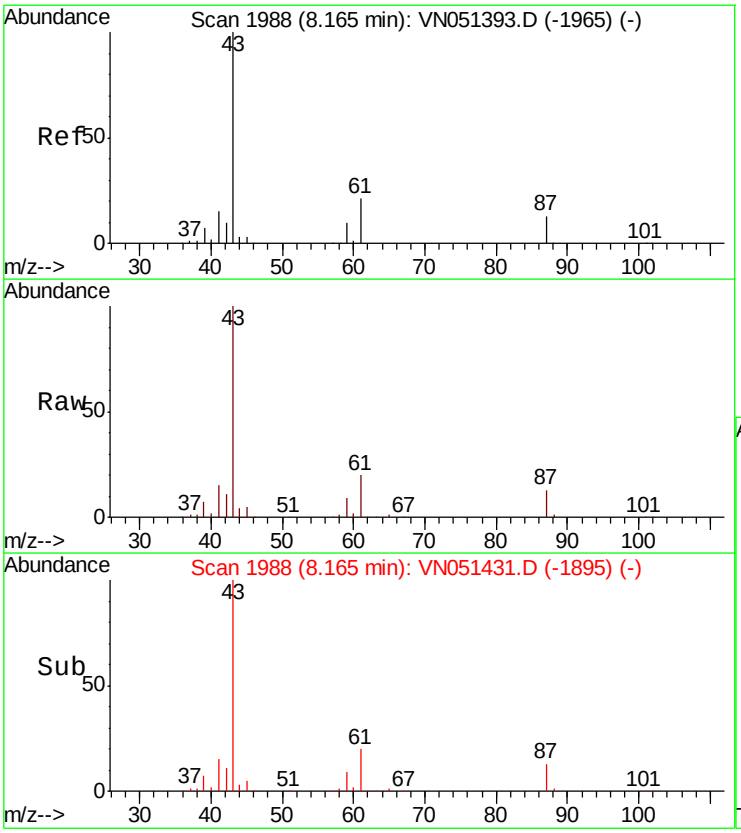

#38
Carbon Tetrachloride
Concen: 4.838 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion:117 Resp: 59636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.8 | 76.9 | 115.3# |
| 121 | 0.0 | 24.6 | 37.0# |

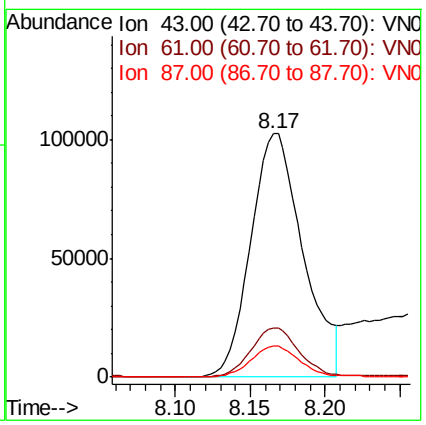


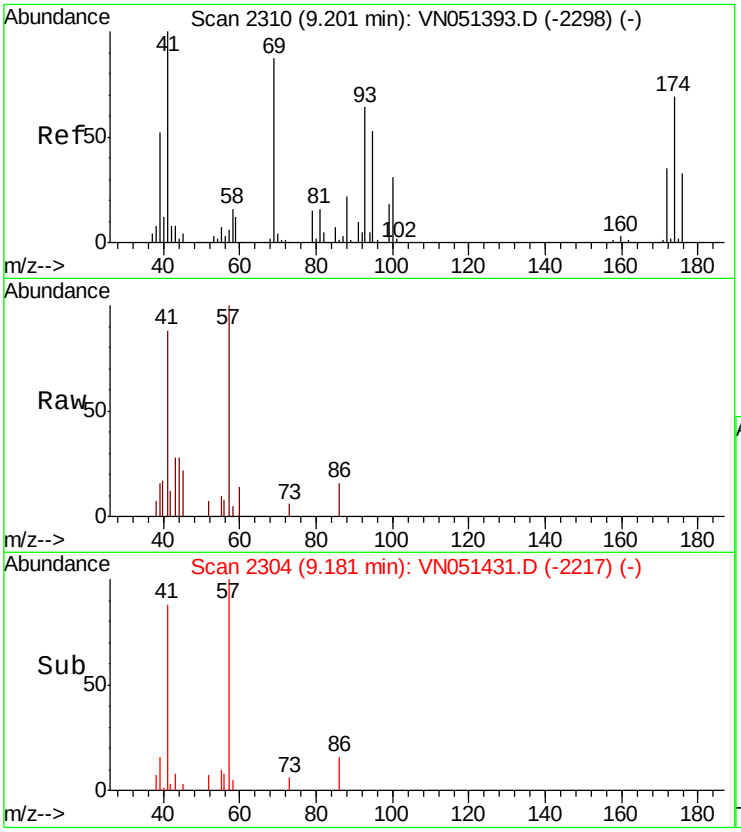




#43
Isopropyl Acetate
Concen: 20.420 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 43 Resp: 250225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 16.8 | 25.2 |
| 87 | 12.0 | 10.7 | 16.1 |



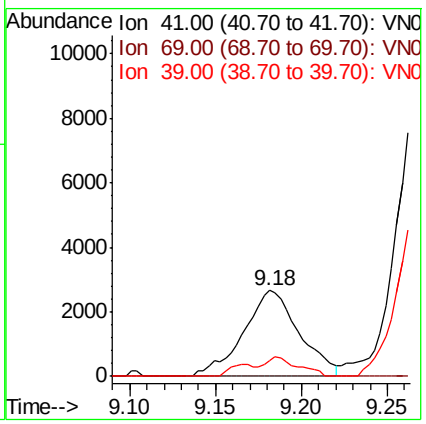


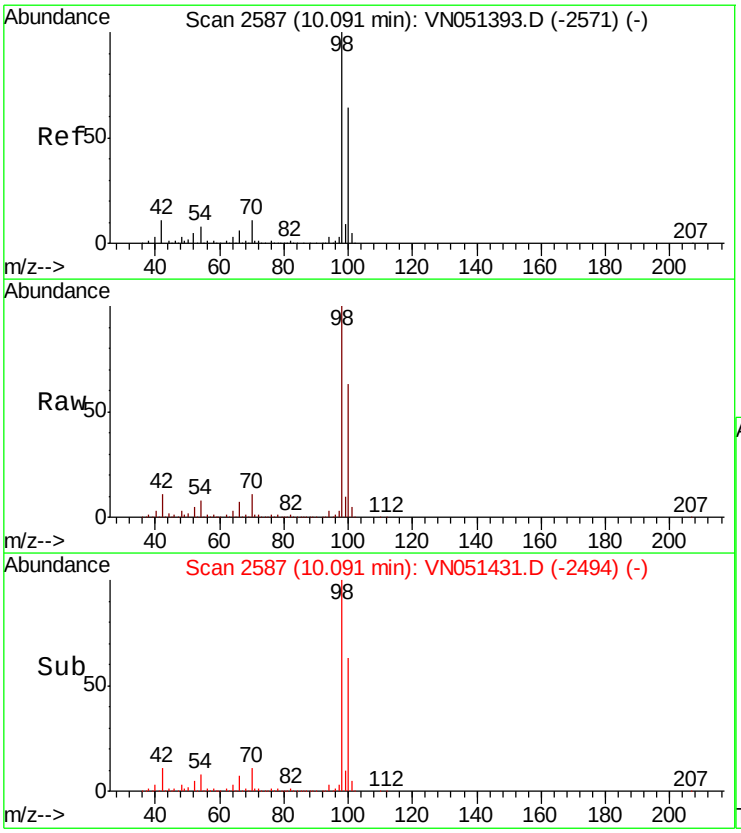

#48
Methyl methacrylate
Concen: 0.981 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 41 Resp: 5996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 70.4 | 105.6# |
| 39 | 12.9 | 43.8 | 65.8# |

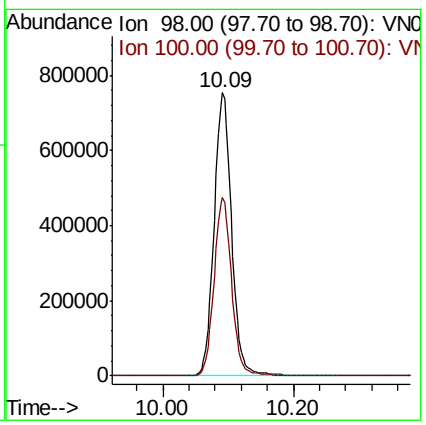


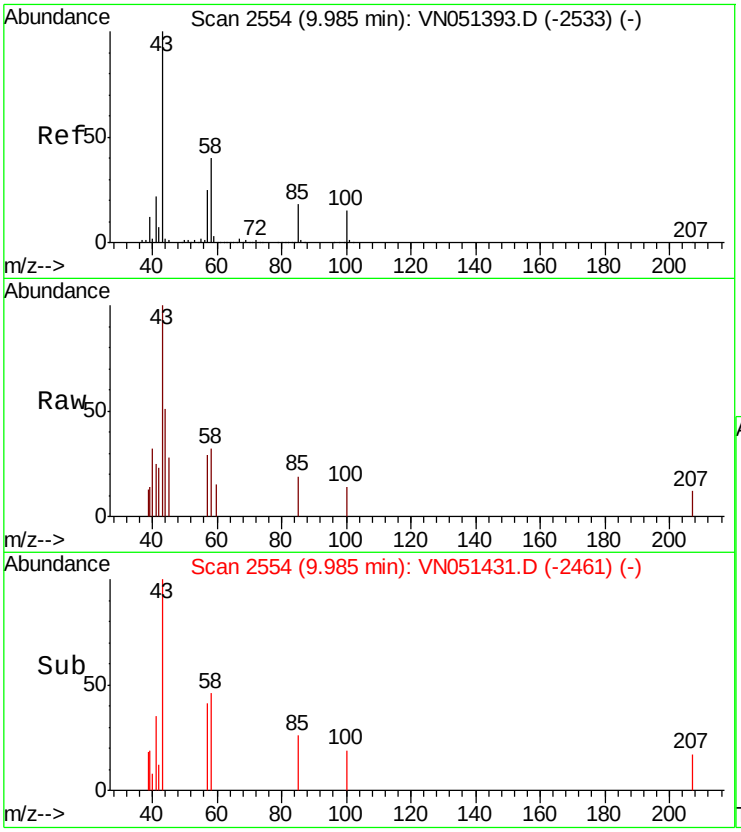




#50
Toluene-d8
Concen: 46.112 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 98 Resp: 1413224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.0 | 50.6 | 75.8 |



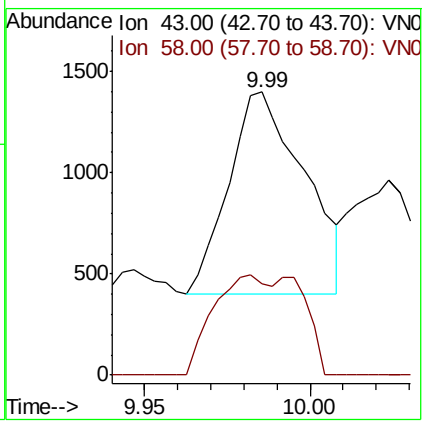


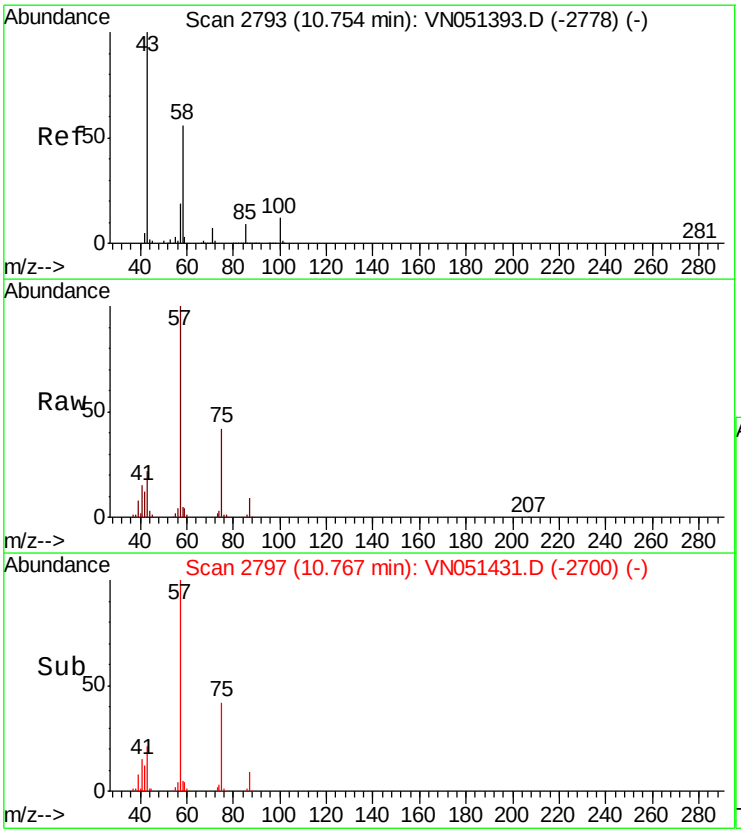

#51
4-Methyl-2-Pentanone
Concen: 0.234 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 43 Resp: 1576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 31.5 | 47.3 |

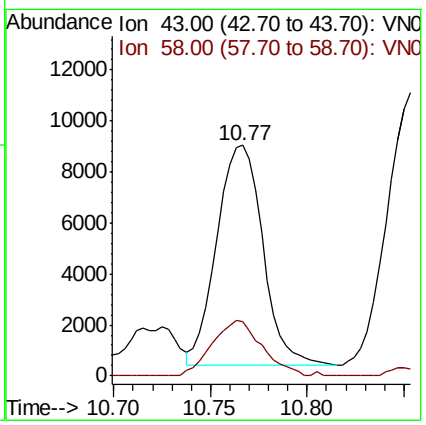


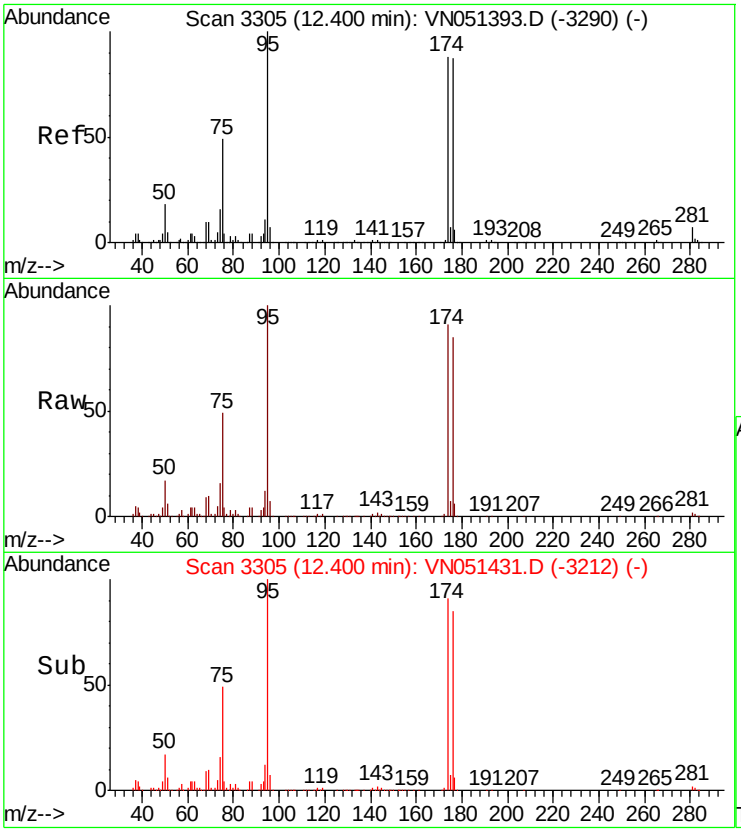




#59
2-Hexanone
Concen: 3.282 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 43 Resp: 14337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.2 | 27.7 | 83.0# |



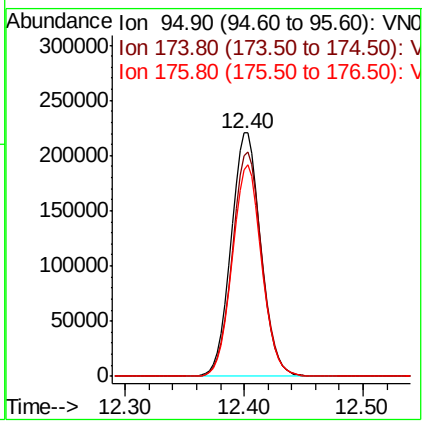


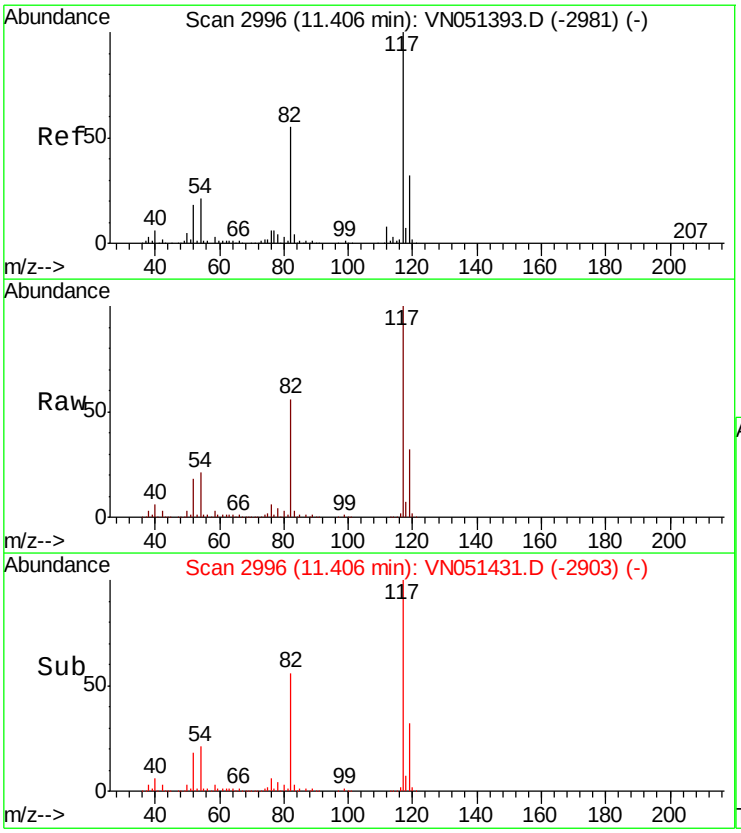

#62
4-Bromofluorobenzene
Concen: 38.400 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 95 Resp: 380710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.9 | 0.0 | 181.6 |
| 176 | 86.2 | 0.0 | 176.4 |

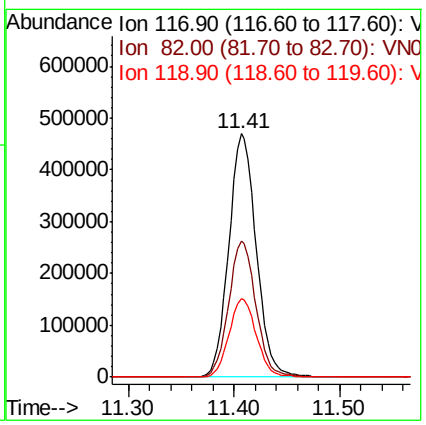


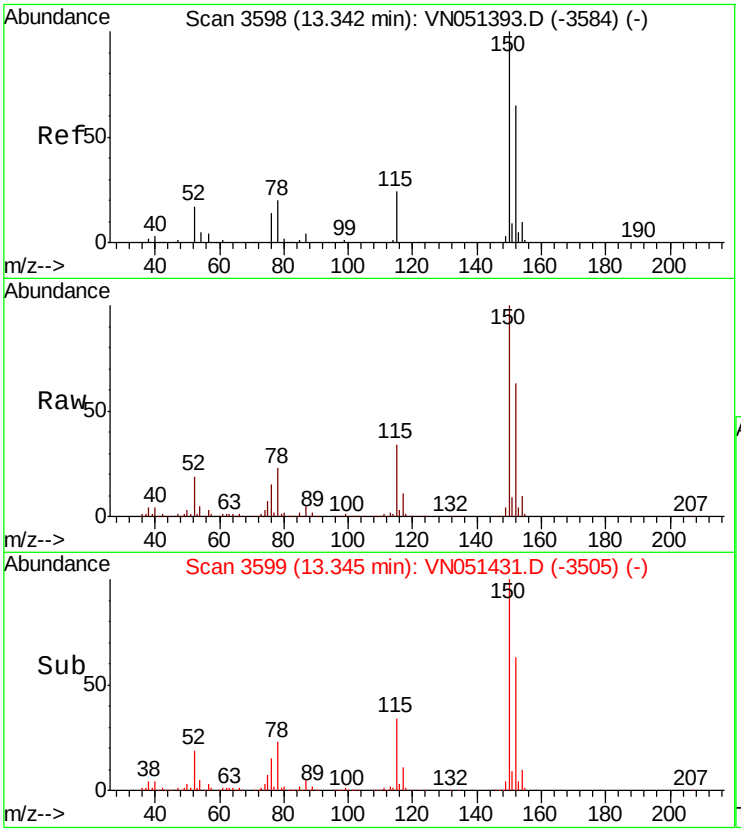




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion:117 Resp: 843721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 44.2 | 66.2 |
| 119 | 32.3 | 25.9 | 38.9 |



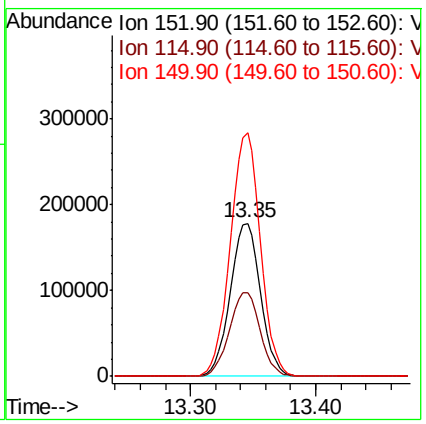


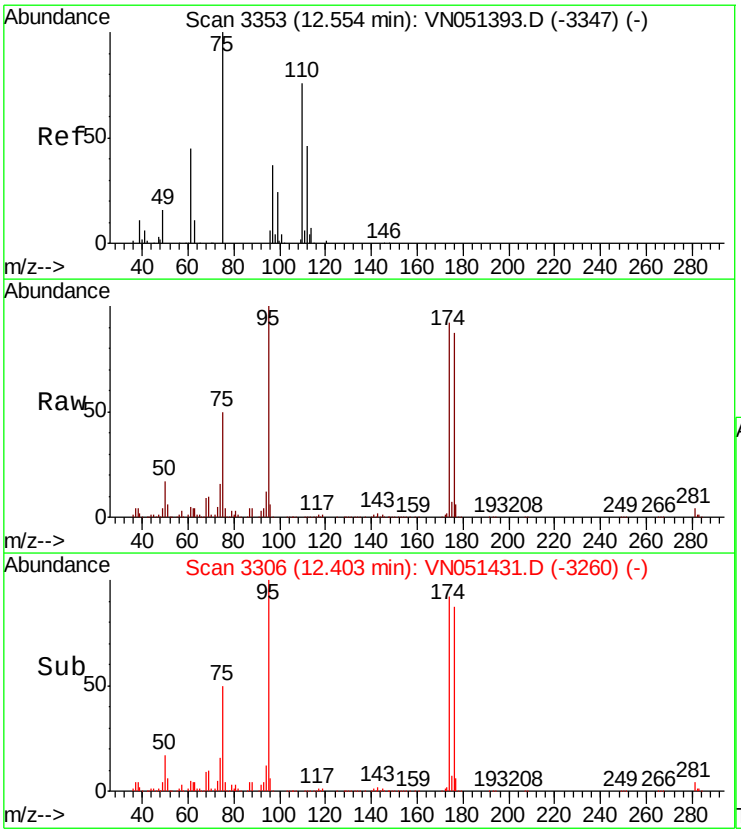

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :** MSVOA_N
**ClientSampleId :** PB113124ZHE#02

Tgt Ion:152 Resp: 298264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.7 | 28.3 | 84.9 |
| 150 | 158.1 | 0.0 | 353.6 |

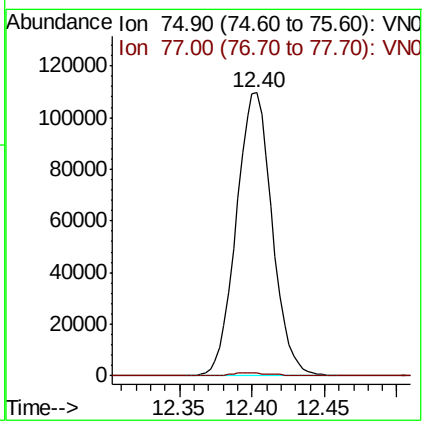


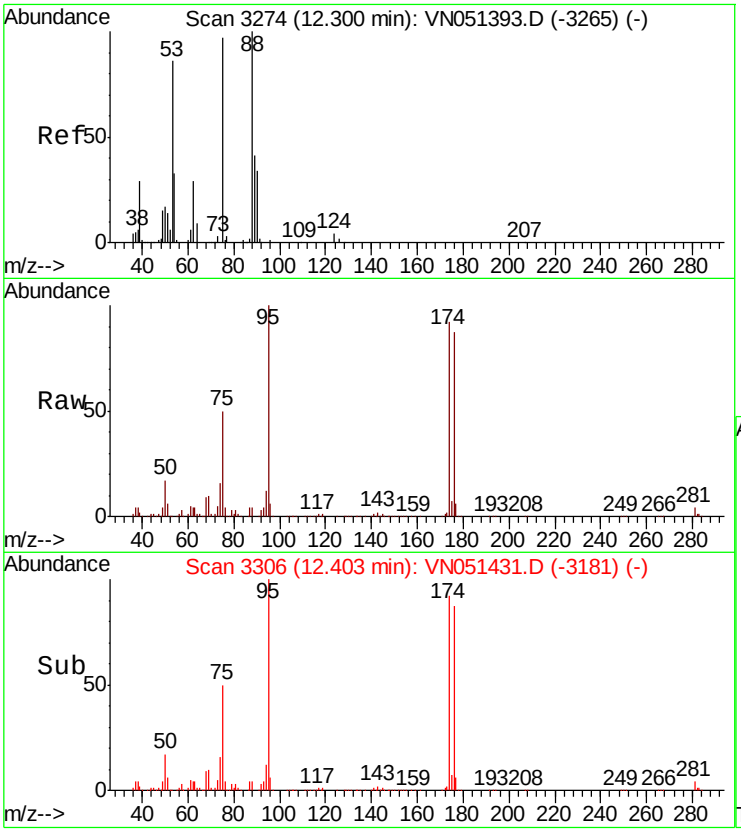




#76
1,2,3-Trichloropropane
Concen: 38.086 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion: 75 Resp: 188577

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



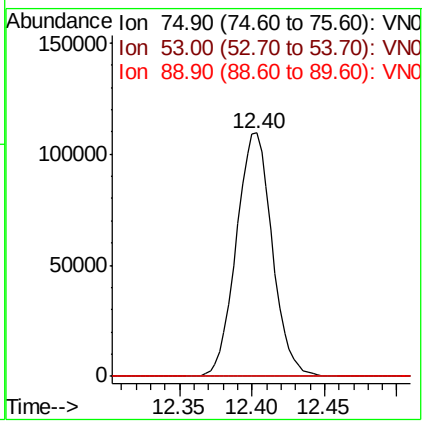


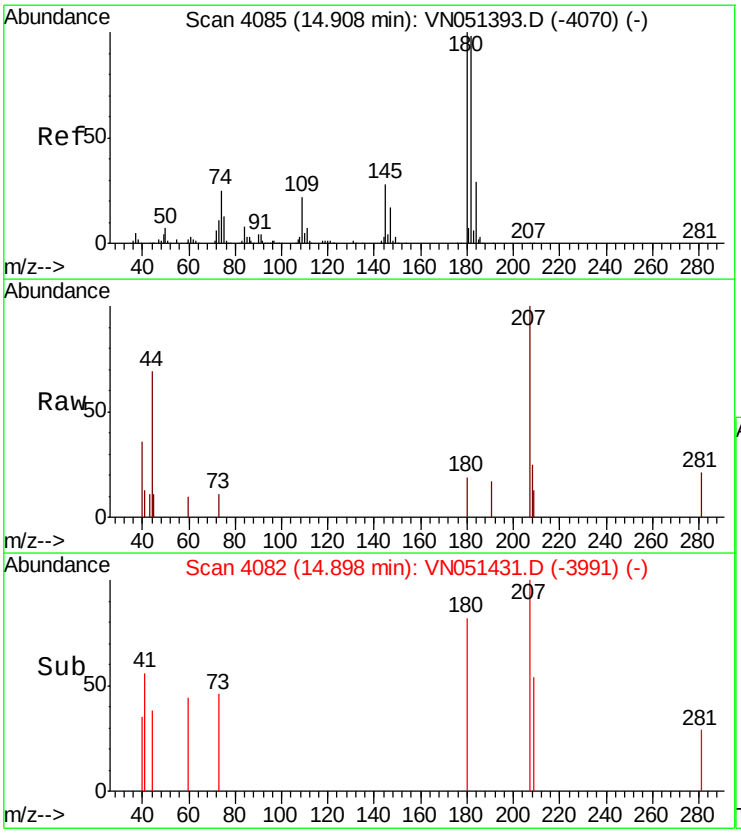

#81
trans-1,4-Dichloro-2-butene
Concen: 117.111 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion: 75 Resp: 188577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 73.9 | 110.9# |
| 89 | 0.0 | 36.7 | 55.1# |

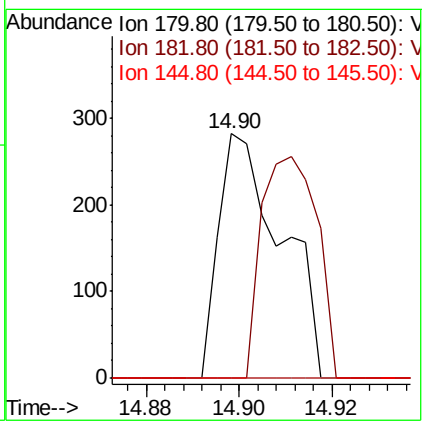


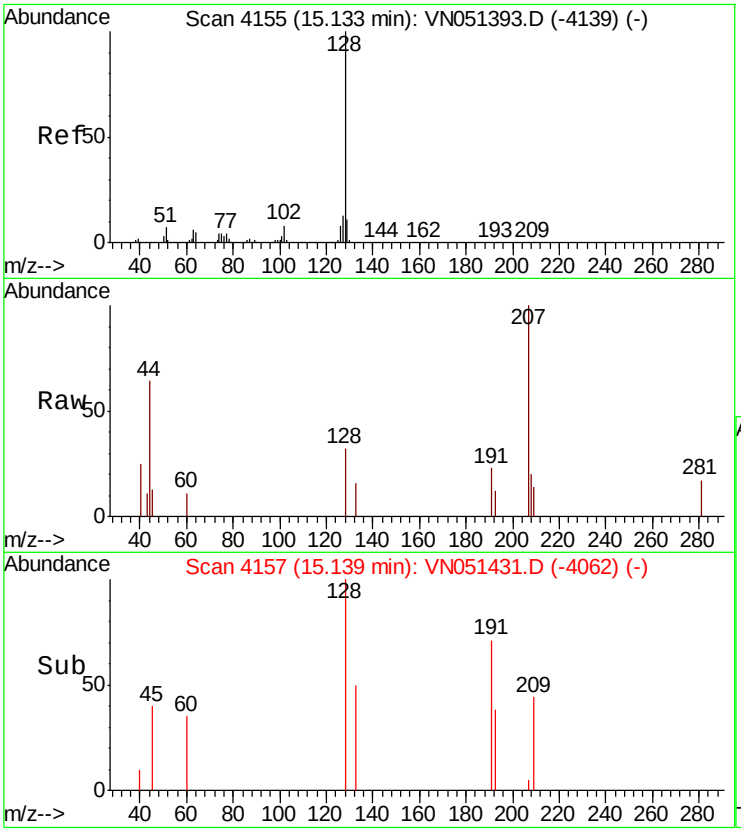




#93
1,2,4-Trichlorobenzene
Concen: 6.022 ug/l
RT: 14.90 min Scan# 4082
Delta R.T. -0.01 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

Tgt Ion:180 Resp: 265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 80.8 | 48.5 | 145.6 |
| 145 | 0.0 | 14.1 | 42.4# |






#95
Naphthalene
Concen: 8.103 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN051431.D
Acq: 23 Sep 2018 23:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB113124ZHE#02

Tgt Ion:128 Resp: 781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.5 | 15.7# |
| 129 | 0.0 | 8.6 | 12.8# |