Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062118\
Data File : VN049470.D
Acq On : 21 Jun 2018 16:00
Operator : MD\SY
Sample : VN0621MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** VN0621MBL01

Quant Time: Jun 21 16:38:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 1591062 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 2542301 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 2122147 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 666718 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 1083938 | 51.36 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.72% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 969998 | 47.16 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.32% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 3542292 | 45.23 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.46% | | | |
| 62) 4-Bromofluorobenzene | 12.41 | 95 | 929871 | 35.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 71.82% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.58 | 94 | 4572 | 0.346 | ug/l | 83 |
| 13) Acrolein | 3.61 | 56 | 477 | 0.367 | ug/l # | 18 |
| 16) Acetone | 3.82 | 43 | 3126 | 0.610 | ug/l # | 76 |
| 18) Methyl Acetate | 4.34 | 43 | 18490 | 1.184 | ug/l | 93 |
| 31) Cyclohexane | 7.67 | 56 | 29813 | 0.782 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.67 | 75 | 110350 | 3.787 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 140962 | 4.673 | ug/l # | 17 |
| 43) Isopropyl Acetate | 8.22 | 43 | 61347 | 2.027 | ug/l # | 64 |
| 49) 1,4-Dioxane | 9.21 | 88 | 124 | 0.630 | ug/l # | 62 |
| 58) 2-Chloroethyl Vinyl ether | 9.75 | 63 | 29 | 14.330 | ug/l # | 51 |
| 59) 2-Hexanone | 10.76 | 43 | 3657 | 0.358 | ug/l | 74 |
| 75) 1,1,2,2-Tetrachloroethane | 12.52 | 83 | 340 | Below Cal | # | 59 |
| 76) 1,2,3-Trichloropropane | 12.41 | 75 | 449519 | 39.515 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.41 | 75 | 449519 | 124.889 | ug/l # | 9 |
| 90) Hexachloroethane | 13.88 | 117 | 124 | Below Cal | # | 9 |
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180 | 1695 | 4.877 | ug/l | 90 |
| 94) Hexachlorobutadiene | 15.02 | 225 | 1331 | Below Cal | # | 75 |
| 95) Naphthalene | 15.14 | 128 | 3030 | 2.243 | ug/l # | 87 |
| 96) 1,2,3-Trichlorobenzene | 15.33 | 180 | 1873 | 3.613 | ug/l | 87 |

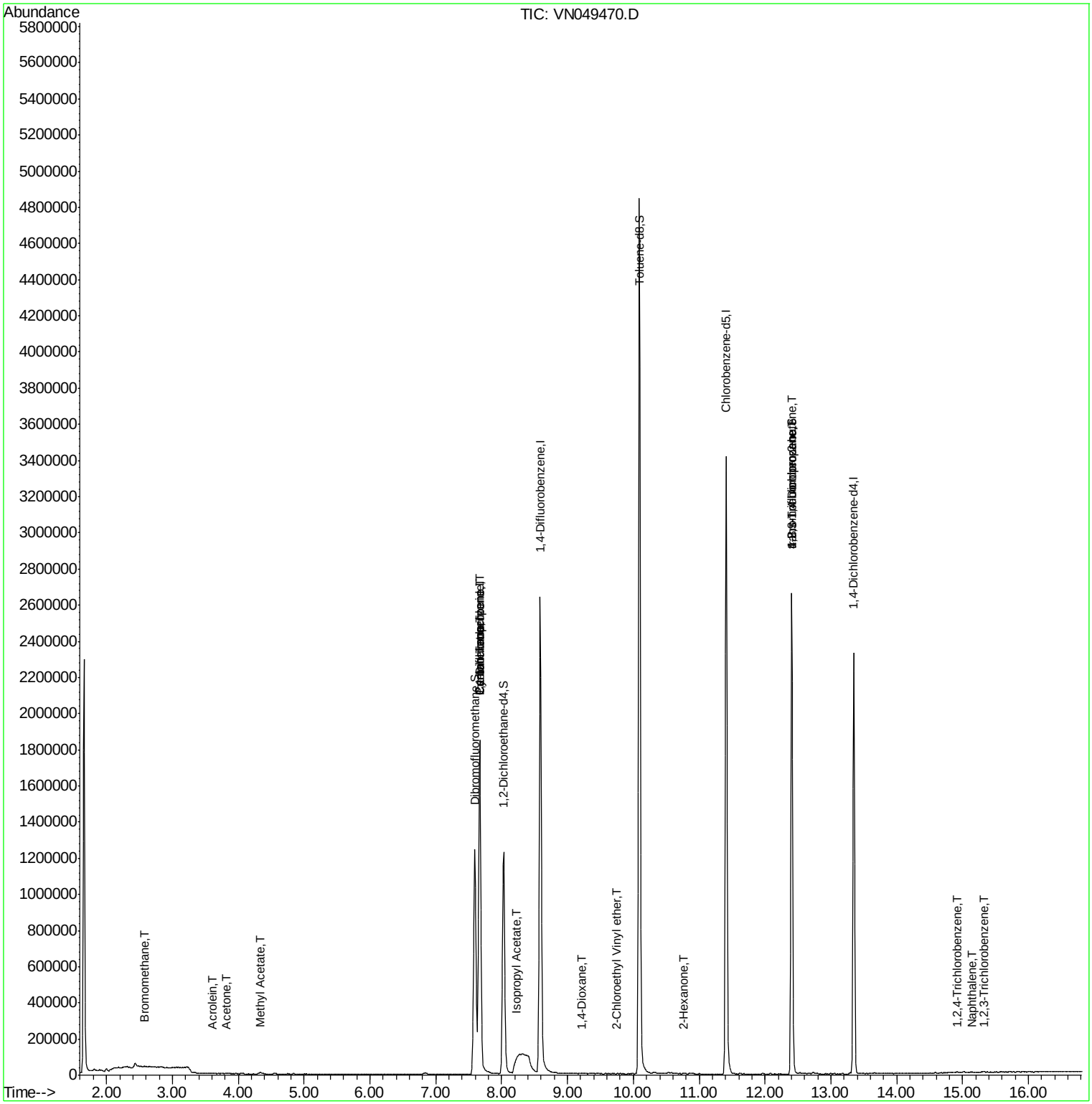
(#) = qualifier out of range (m) = manual integration (+) = signals summed

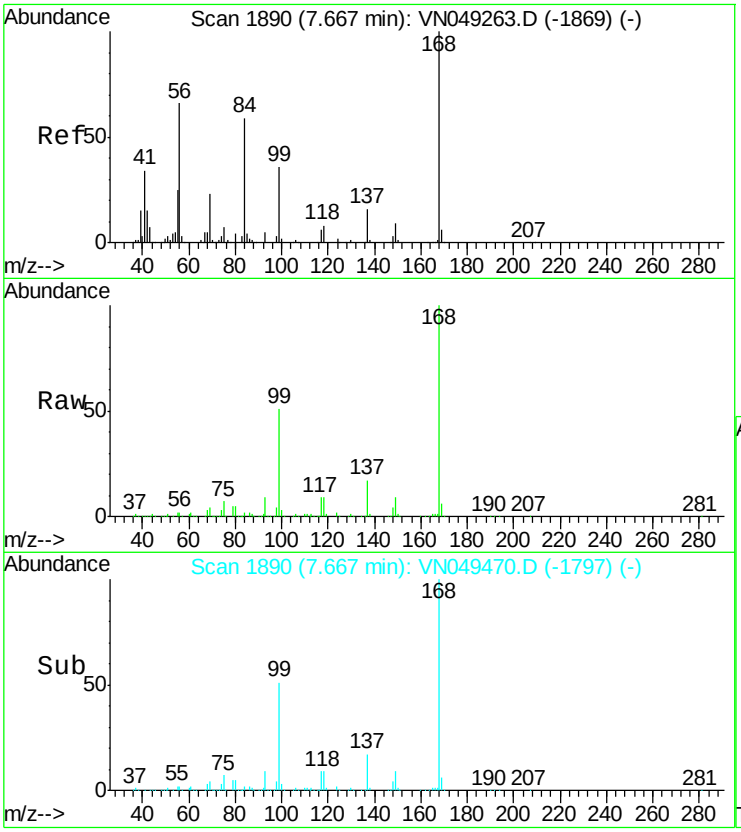
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062118\
Data File : VN049470.D
Acq On : 21 Jun 2018 16:00
Operator : MD\SY
Sample : VN0621MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** VN0621MBL01

Quant Time: Jun 21 16:38:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration



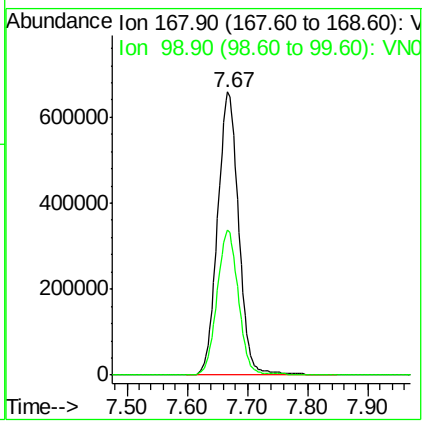


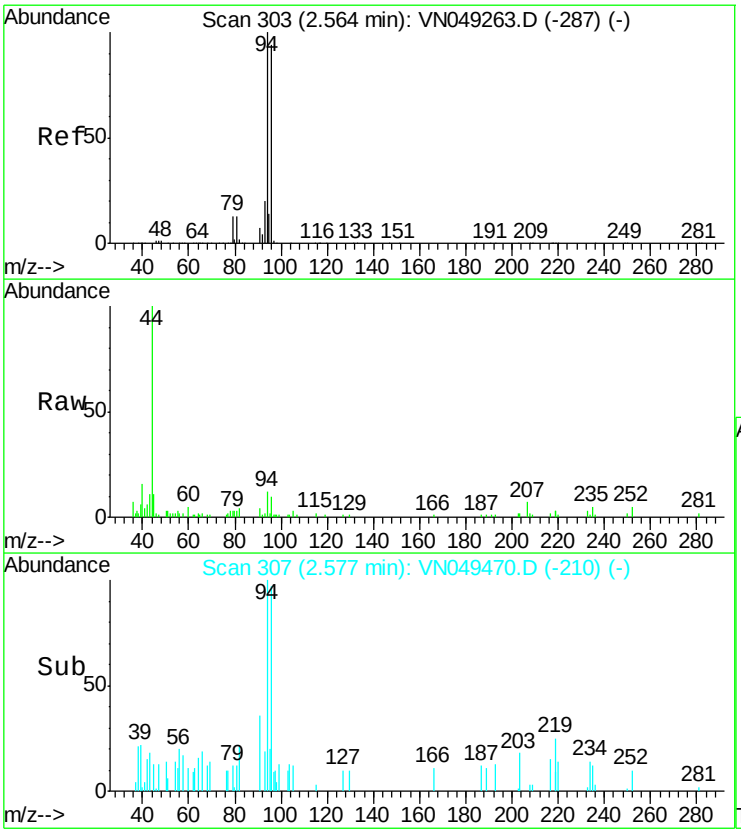

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion:168 Resp: 1591062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 51.4 | 45.8 | 68.6 |

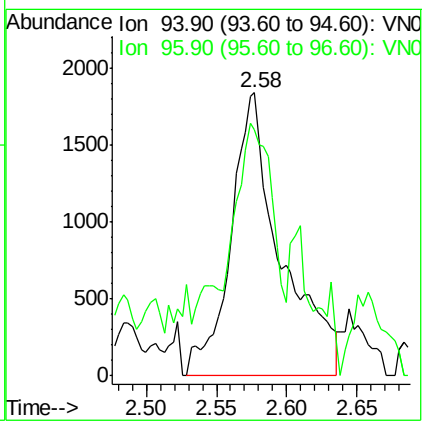


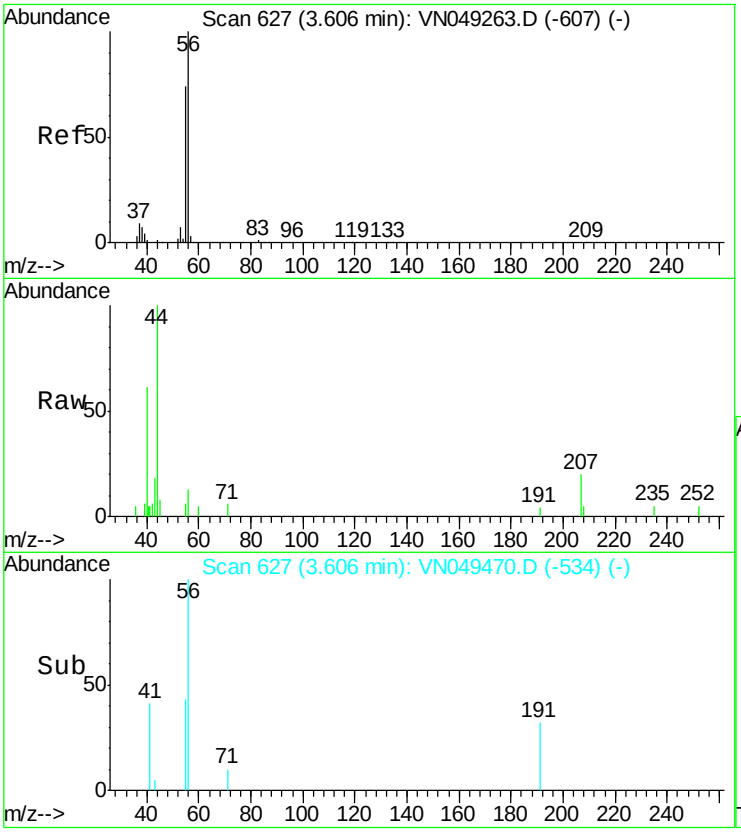




#5
Bromomethane
Concen: 0.346 ug/l
RT: 2.58 min Scan# 307
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 94 Resp: 4572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 74.7 | 72.8 | 109.2 |



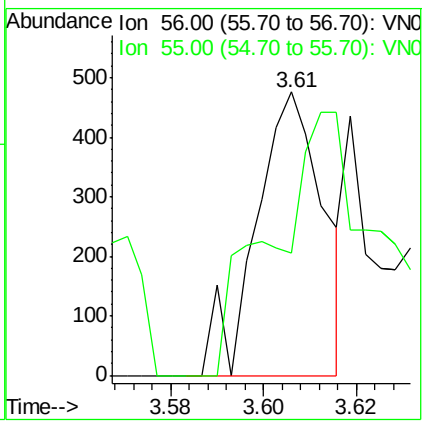


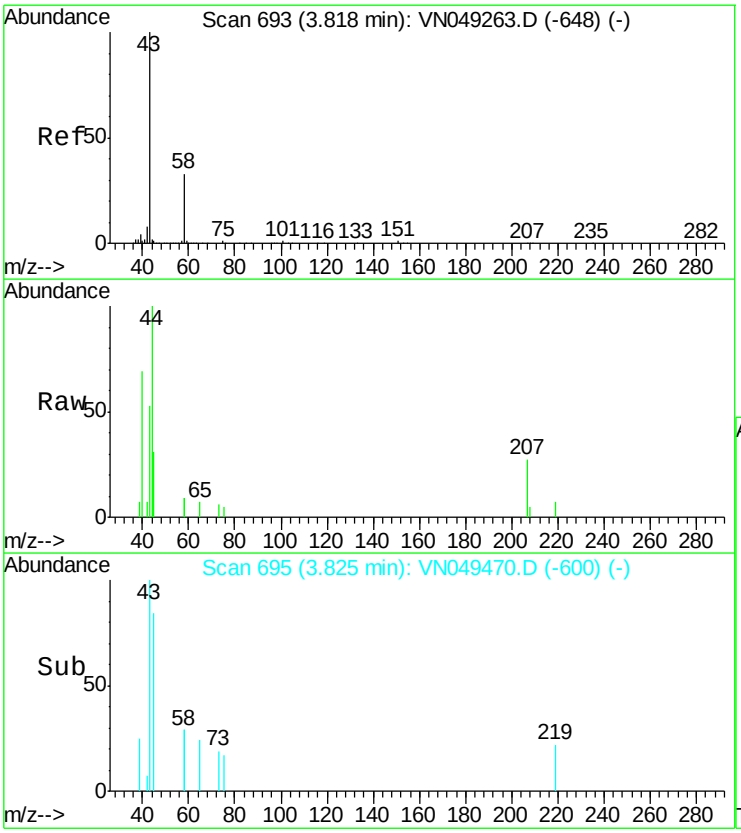

#13
Acrolein
Concen: 0.367 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion: 56 Resp: 477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 139.6 | 57.1 | 85.7# |

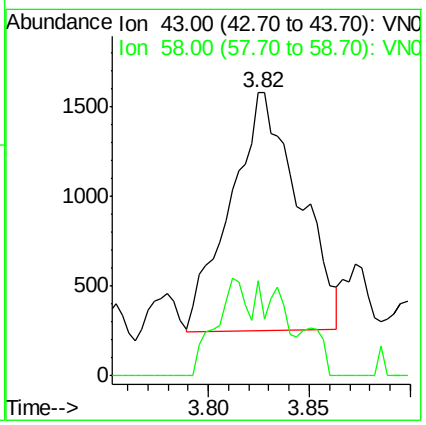


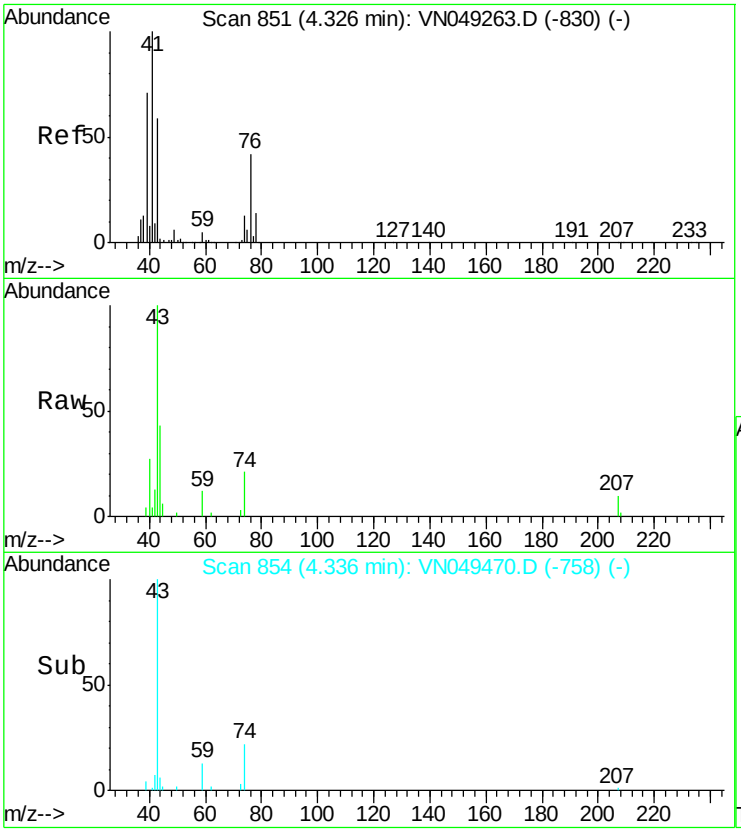




#16
Acetone
Concen: 0.610 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 43 Resp: 3126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.5 | 22.4 | 33.6# |



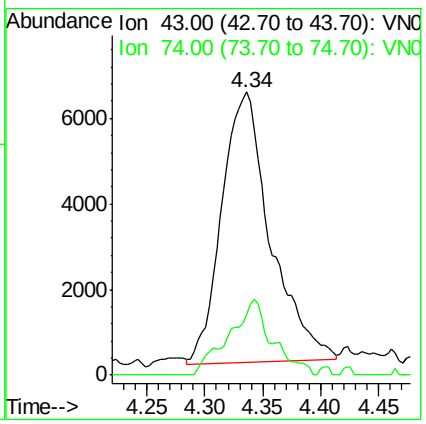


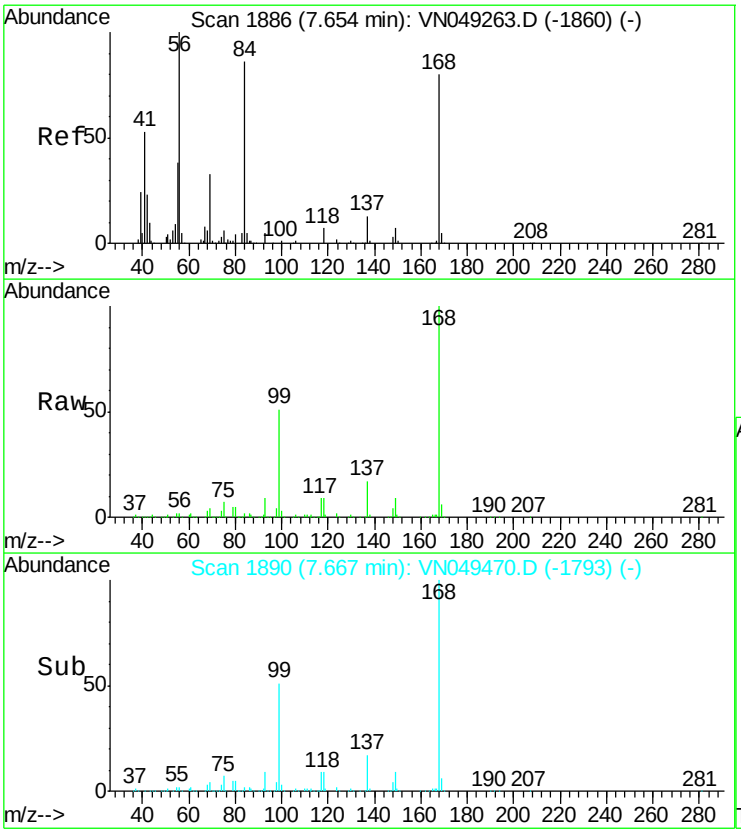

#18
Methyl Acetate
Concen: 1.184 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion: 43 Resp: 18490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.8 | 17.4 | 26.0 |

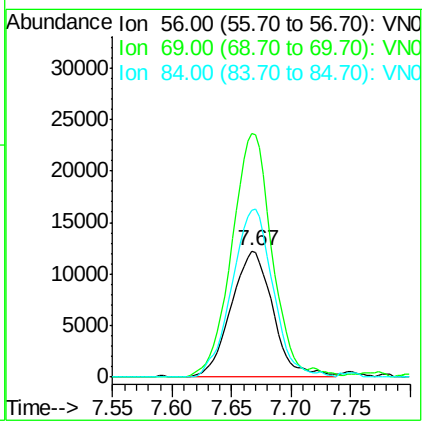


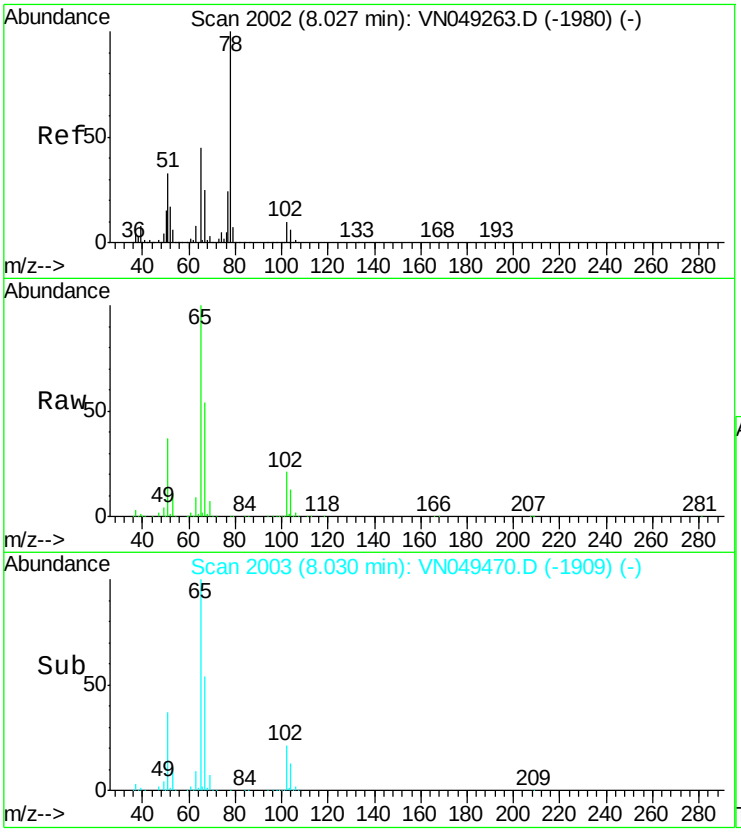




#31
Cyclohexane
Concen: 0.782 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 56 Resp: 29813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 193.3 | 25.0 | 37.4# |
| 84 | 132.2 | 64.6 | 96.8# |



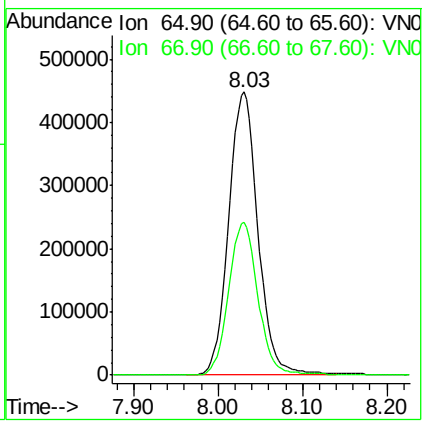


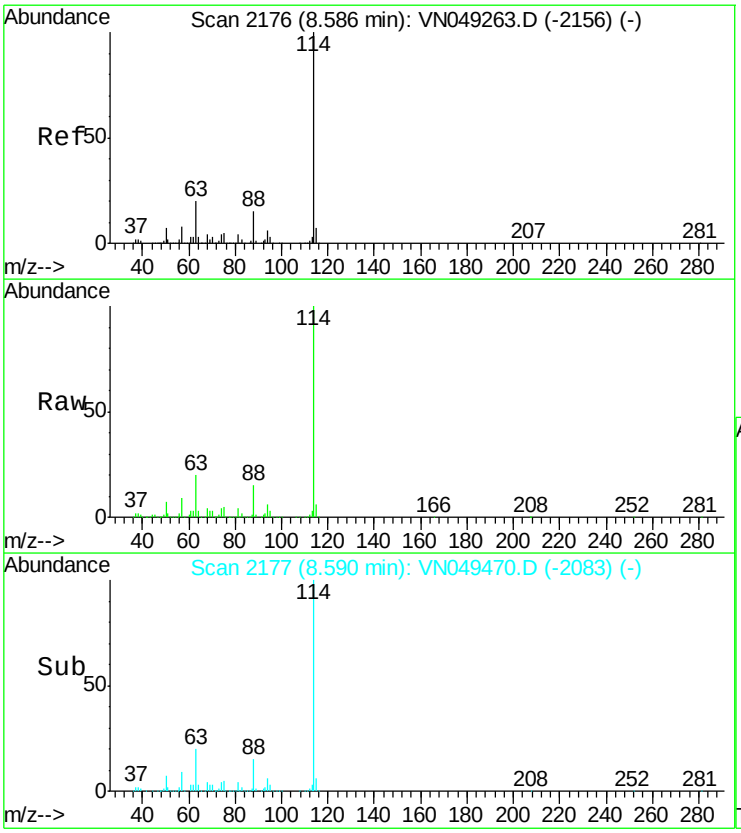

#33
1,2-Dichloroethane-d4
Concen: 51.365 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :** MSVOA_N
**ClientSampleId :** VN0621MBL01

Tgt Ion: 65 Resp: 1083938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.1 | 0.0 | 103.8 |

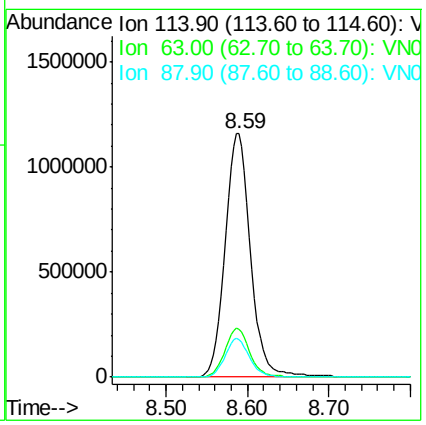


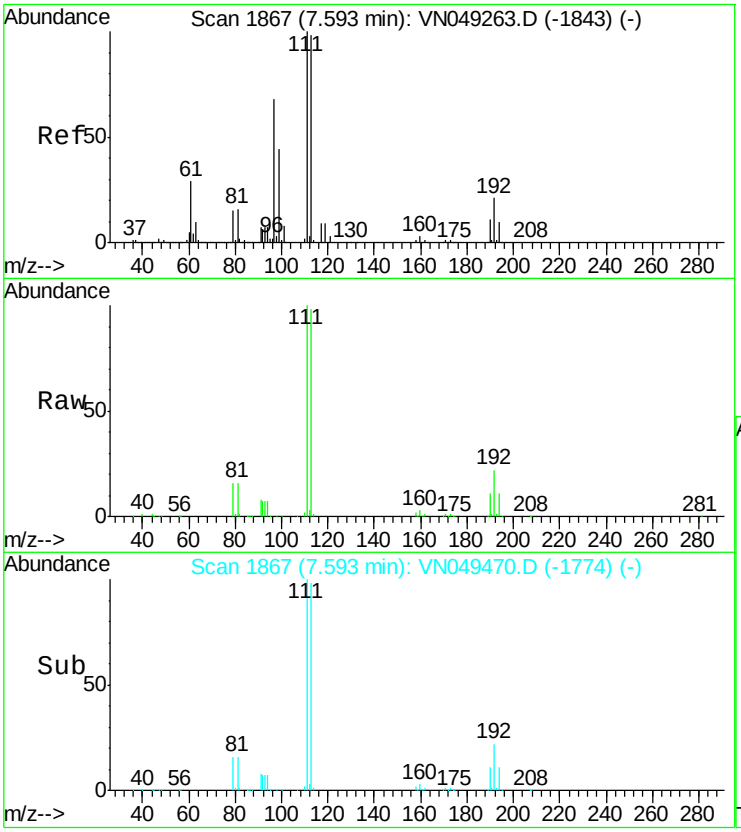




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion:114 Resp: 2542301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.8 | 0.0 | 44.4 |
| 88 | 15.3 | 0.0 | 31.4 |



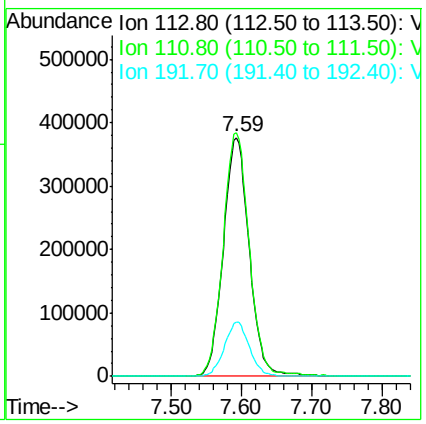


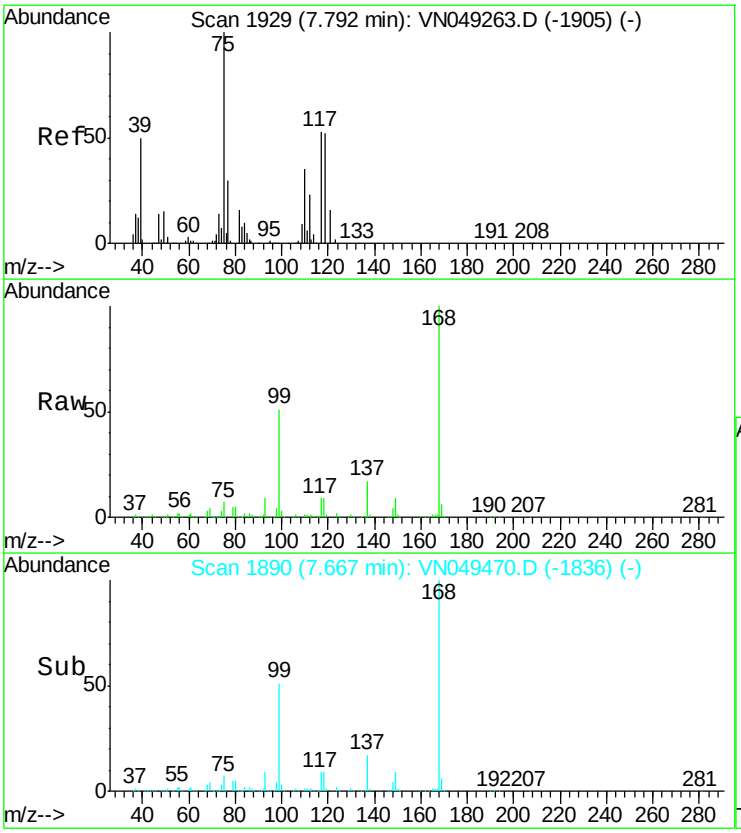

#35
Dibromofluoromethane
Concen: 47.160 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion:113 Resp: 969998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.4 | 123.6 |
| 192 | 22.1 | 15.0 | 22.6 |

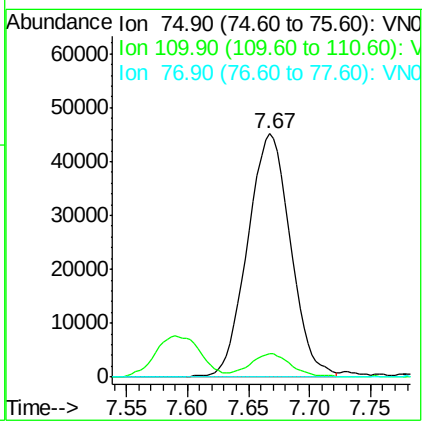


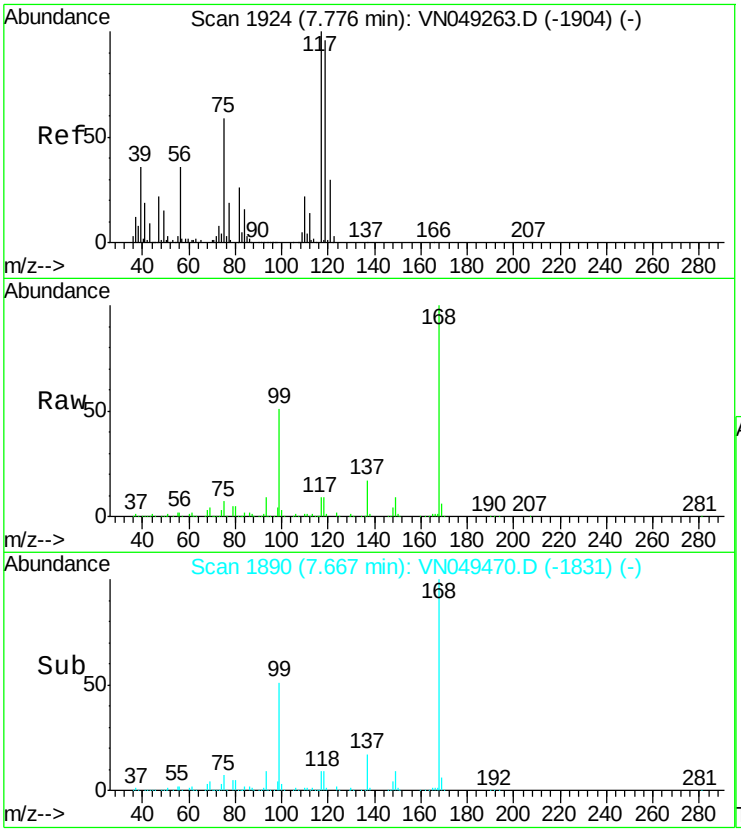




#36
1,1-Dichloropropene
Concen: 3.787 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 75 Resp: 110350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.2 | 17.0 | 50.9# |
| 77 | 0.1 | 24.4 | 36.6# |



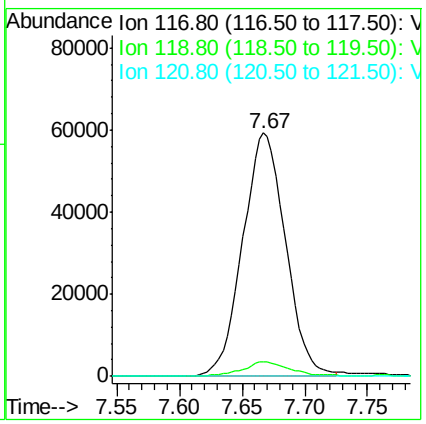


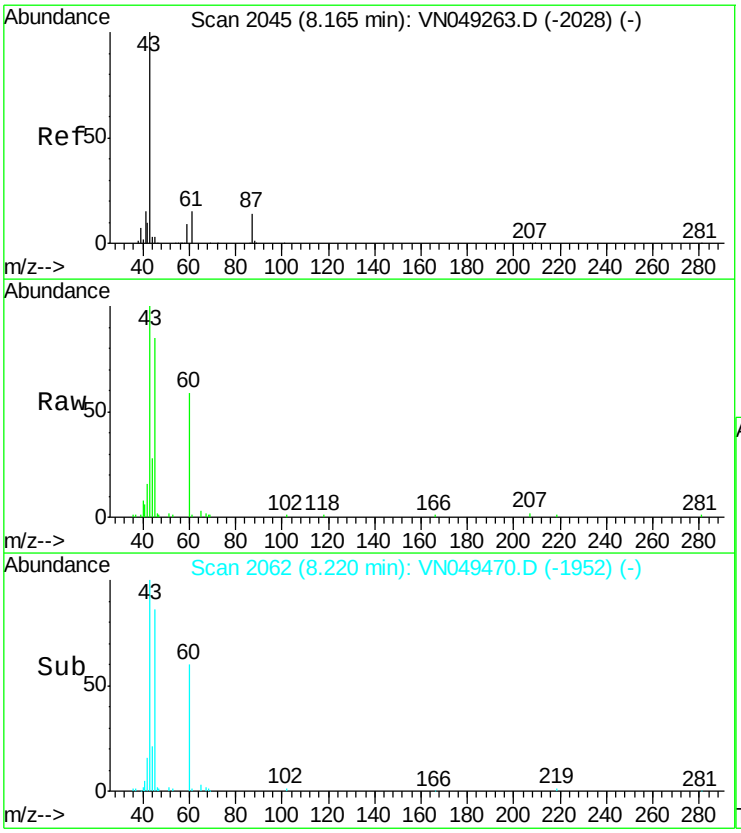

#38
Carbon Tetrachloride
Concen: 4.673 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion:117 Resp: 140962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.1 | 75.6 | 113.4# |
| 121 | 0.0 | 24.7 | 37.1# |

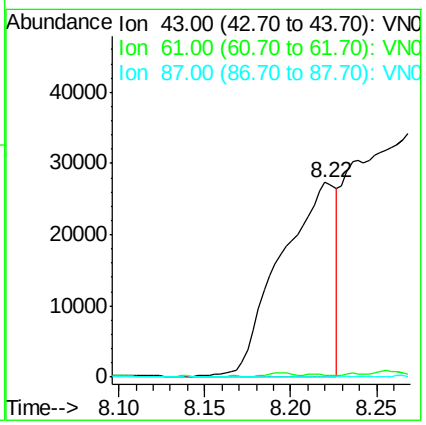


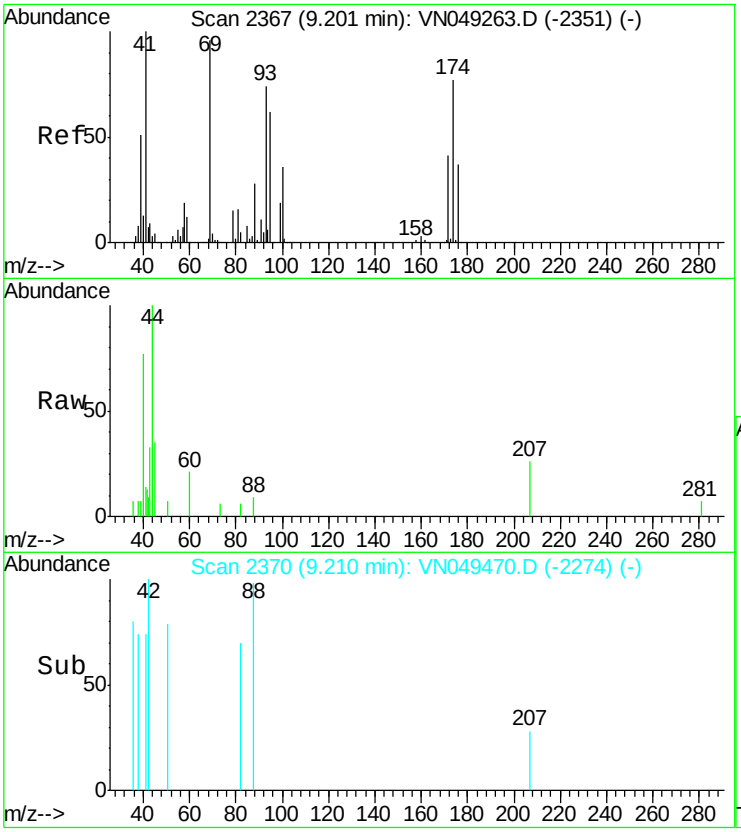




#43
Isopropyl Acetate
Concen: 2.027 ug/l
RT: 8.22 min Scan# 2062
Delta R.T. 0.05 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 43 Resp: 61347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 14.2 | 21.4# |
| 87 | 0.0 | 9.4 | 14.0# |



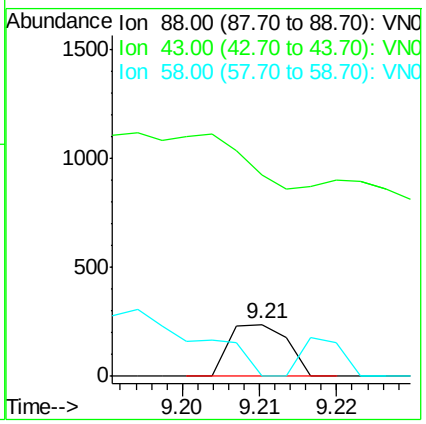


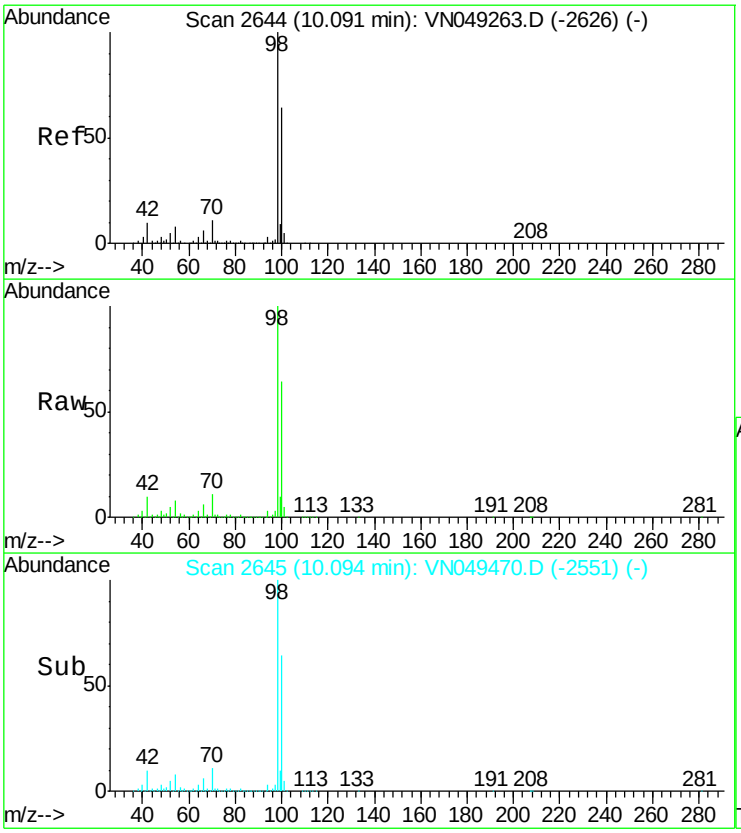

#49
1,4-Dioxane
Concen: 0.630 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion: 88 Resp: 124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 30.9 | 46.3# |
| 58 | 52.4 | 58.9 | 88.3# |

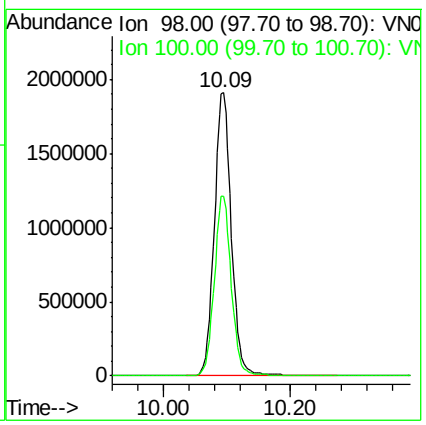


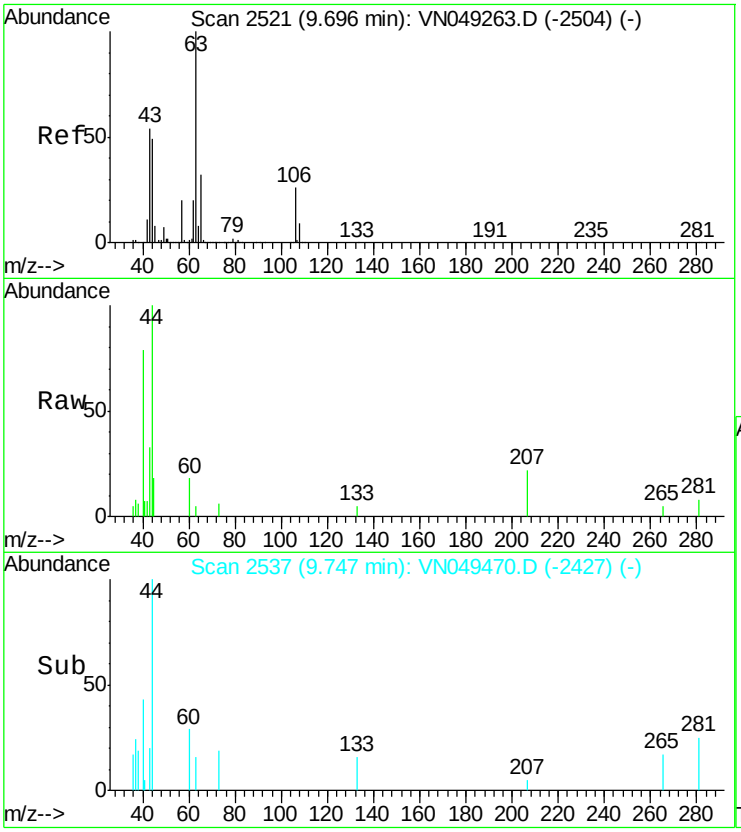




#50
Toluene-d8
Concen: 45.230 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 98 Resp: 3542292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.2 | 49.8 | 74.8 |



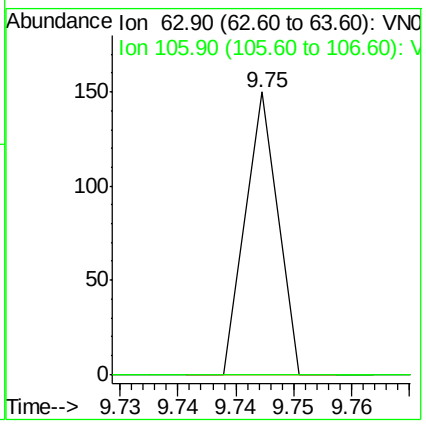


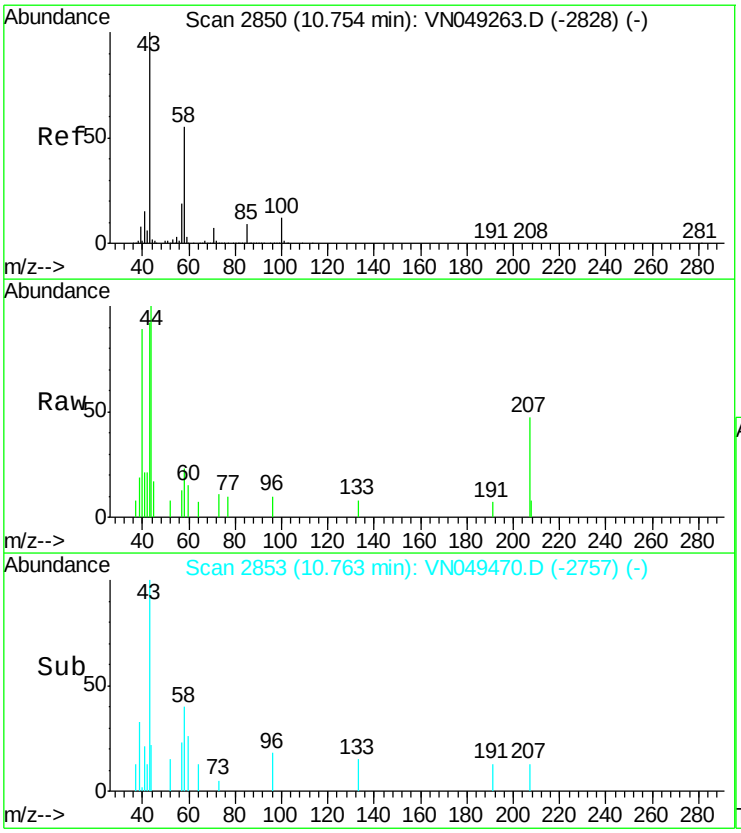

#58
2-Chloroethyl Vinyl ether
Concen: 14.330 ug/l
RT: 9.75 min Scan# 2537
Delta R.T. 0.05 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion: 63 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 19.4 | 29.2# |

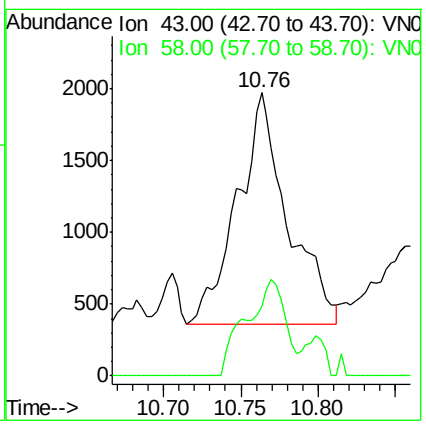


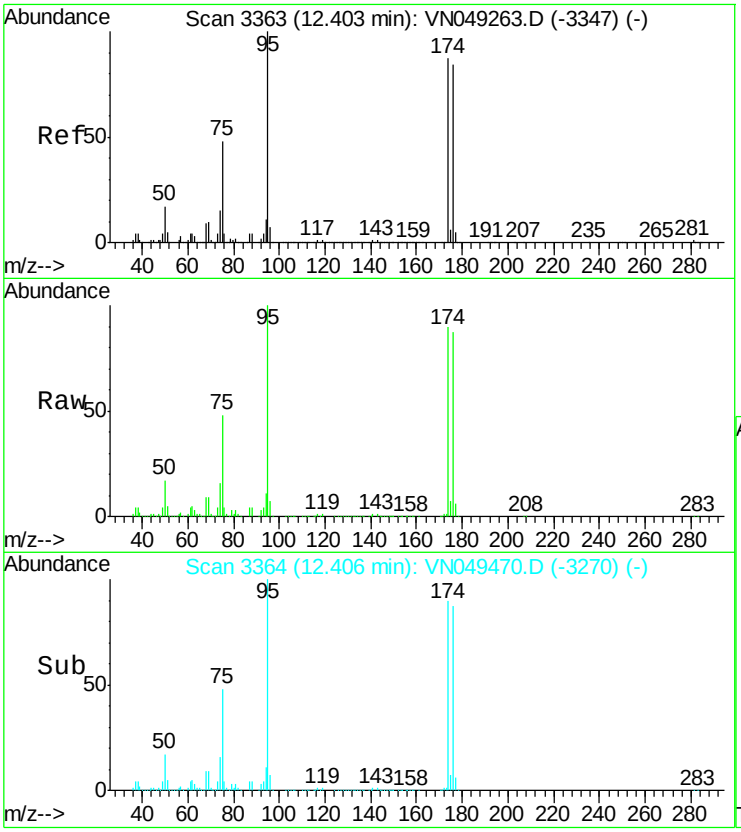




#59
2-Hexanone
Concen: 0.358 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 43 Resp: 3657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.2 | 25.2 | 75.6 |



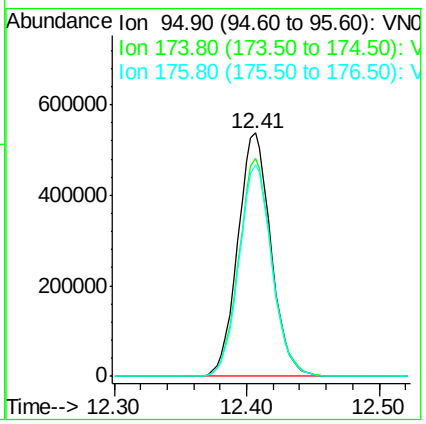


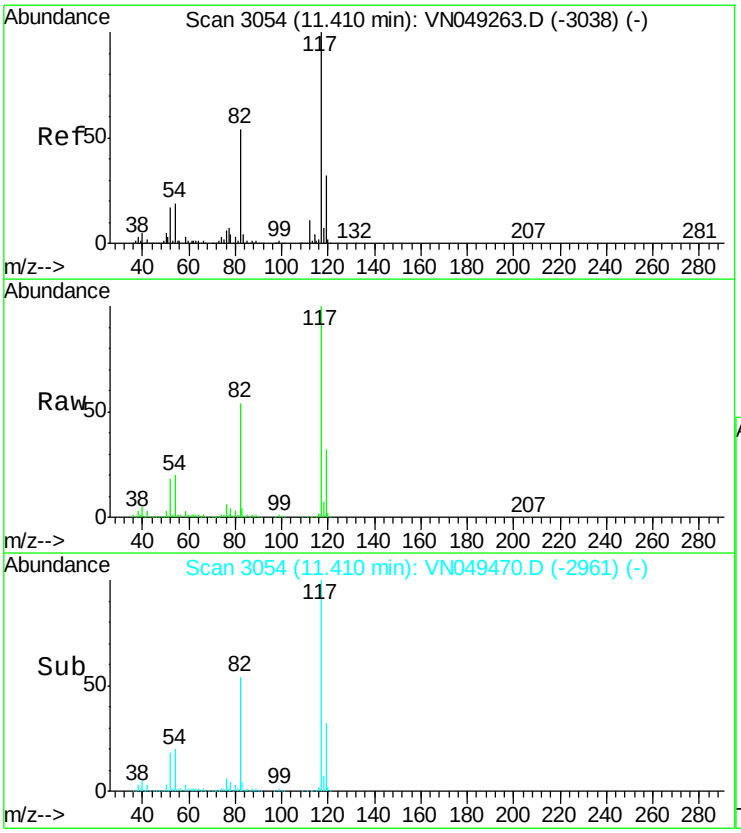

#62
4-Bromofluorobenzene
Concen: 35.908 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion: 95 Resp: 929871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.5 | 0.0 | 165.6 |
| 176 | 86.4 | 0.0 | 157.4 |

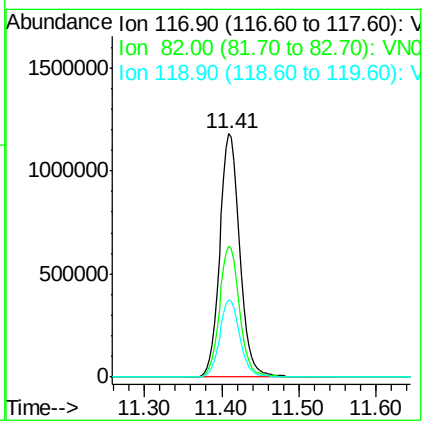


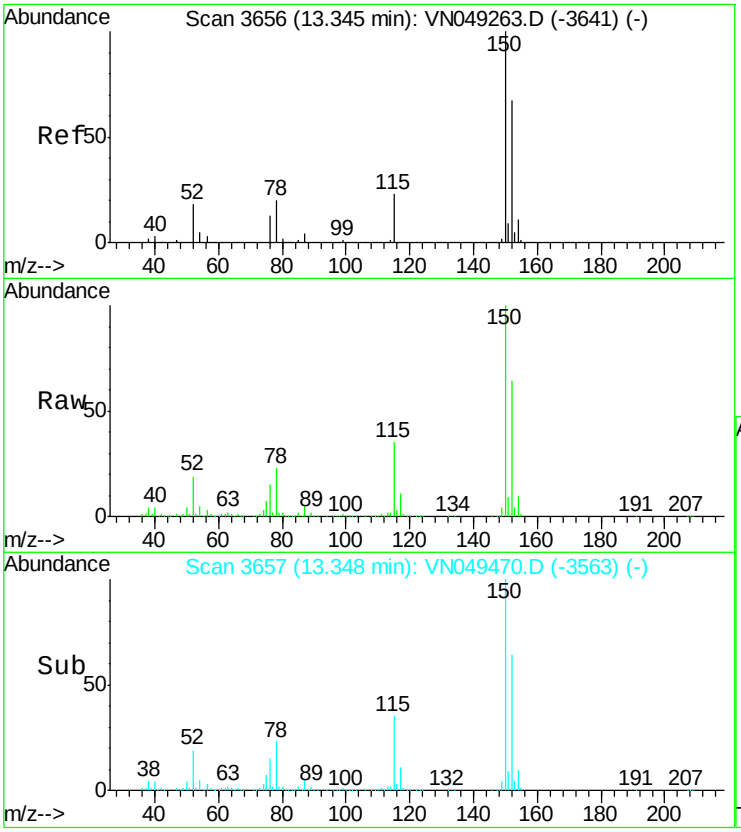




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion:117 Resp: 2122147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 45.9 | 68.9 |
| 119 | 31.9 | 25.5 | 38.3 |



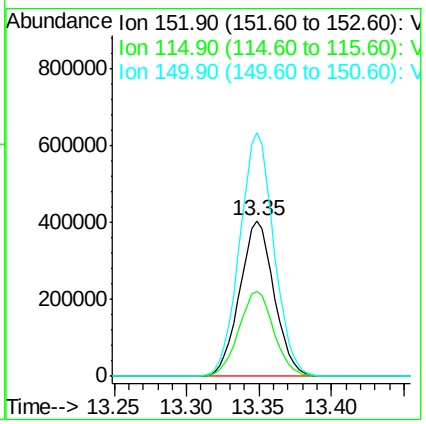


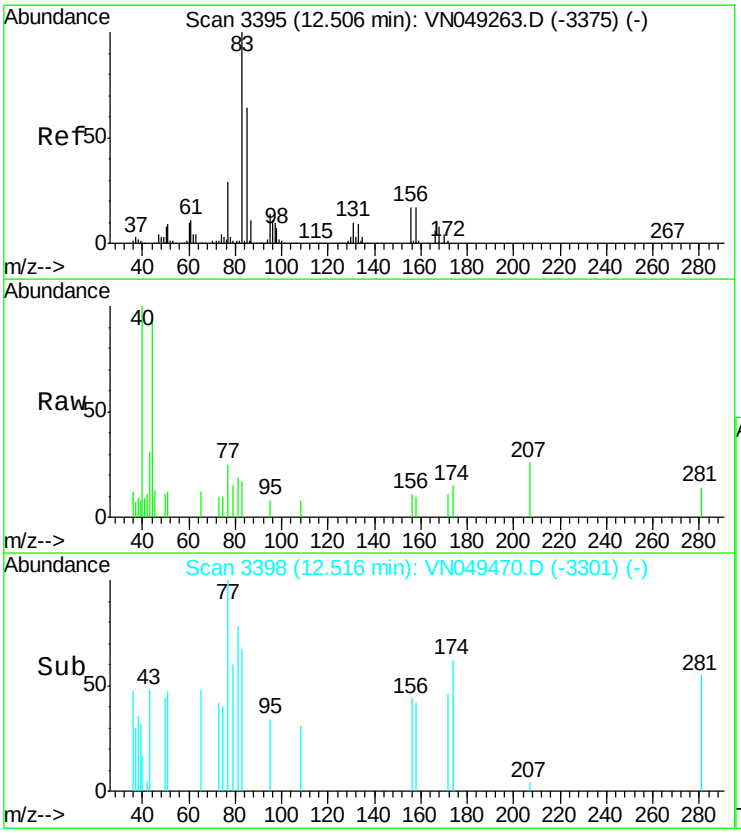

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :** MSVOA_N
**ClientSampleId :** VN0621MBL01

Tgt Ion:152 Resp: 666718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.7 | 28.7 | 86.1 |
| 150 | 156.3 | 0.0 | 351.0 |

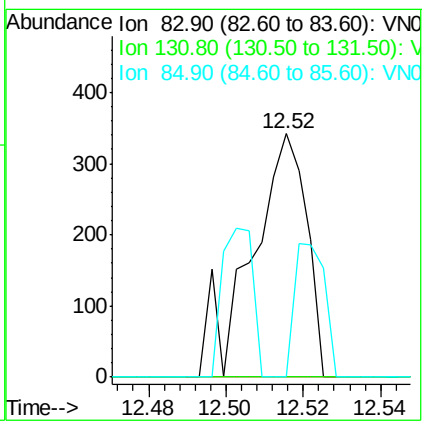


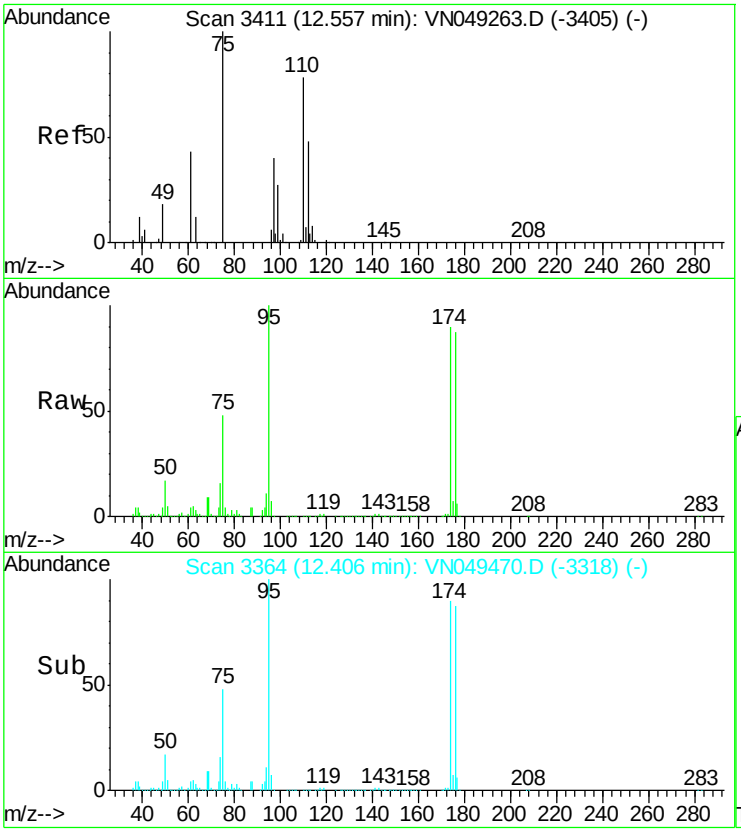




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.52 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 83 Resp: 340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 0.0 | 5.0 | 15.0# |
| 85 | 30.0 | 32.0 | 96.0# |



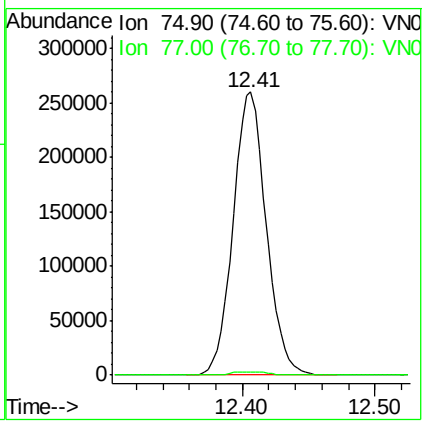


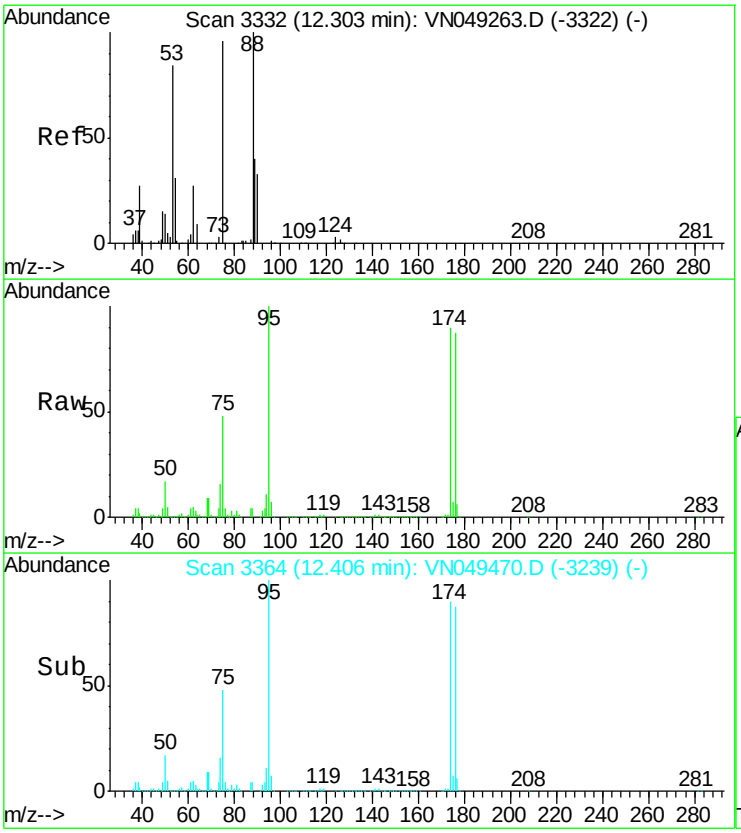

#76
1,2,3-Trichloropropane
Concen: 39.515 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. -0.15 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion: 75 Resp: 449519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |

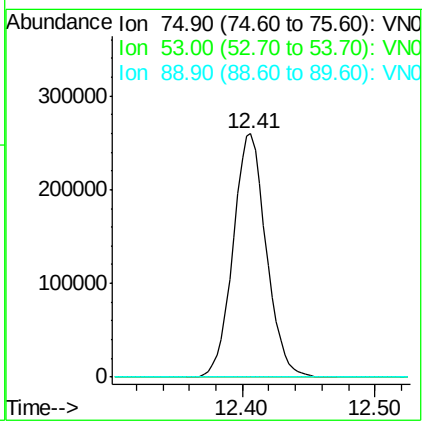


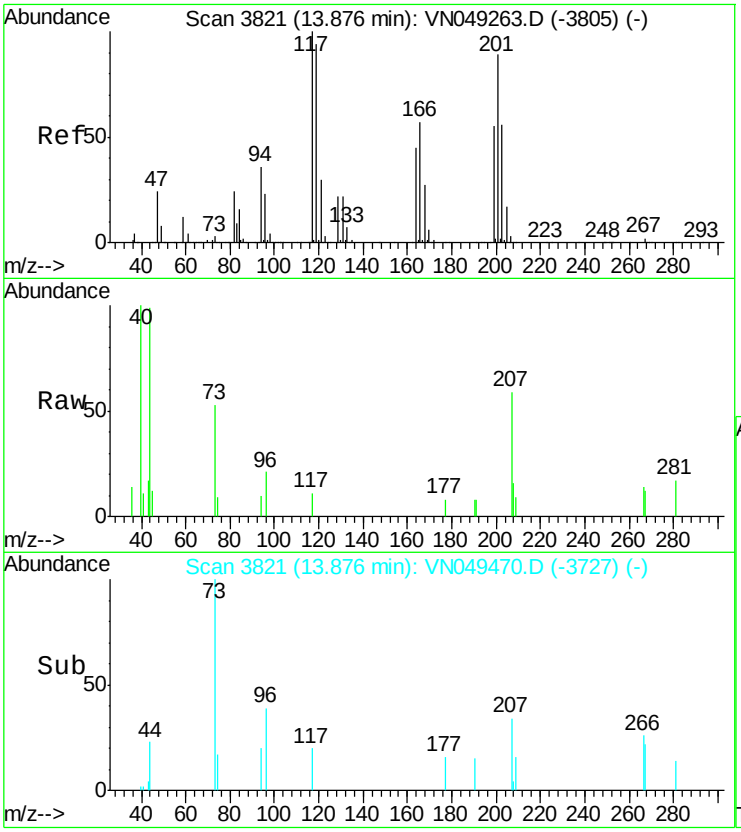




#81
trans-1,4-Dichloro-2-butene
Concen: 124.889 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.10 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion: 75 Resp: 449519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 82.7 | 124.1# |
| 89 | 0.0 | 36.5 | 54.7# |



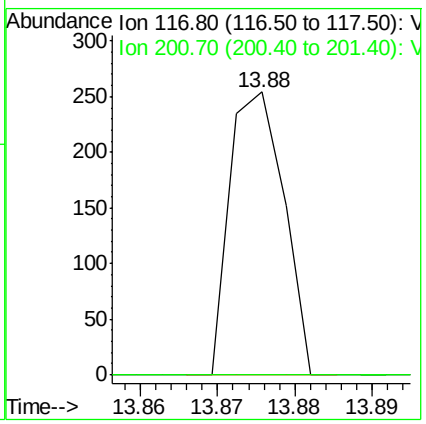


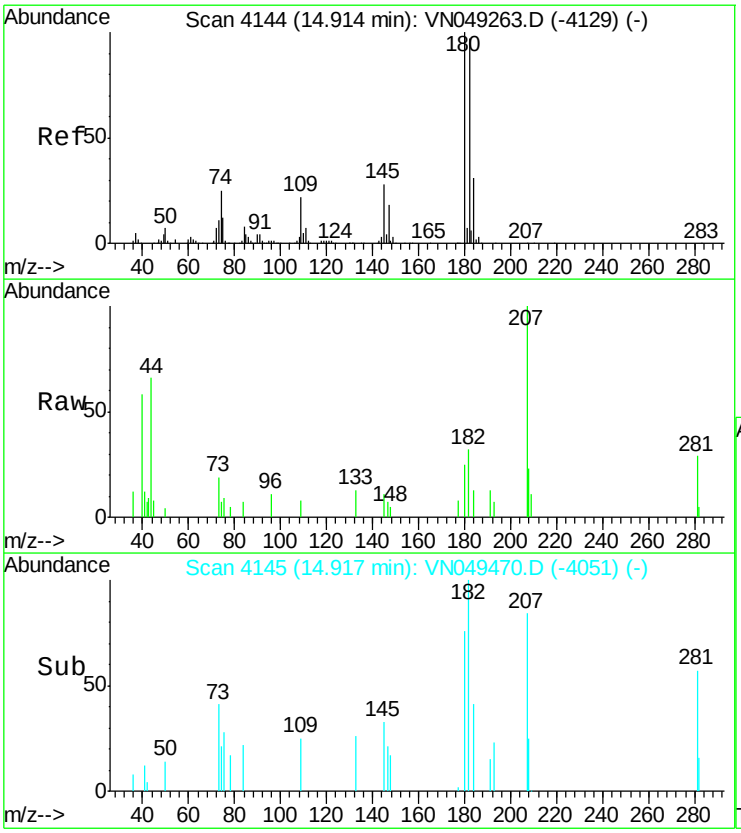

#90
Hexachloroethane
Concen: Below Cal
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :** MSVOA_N
**ClientSampleId :** VN0621MBL01

Tgt Ion:117 Resp: 124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 40.1 | 120.2# |

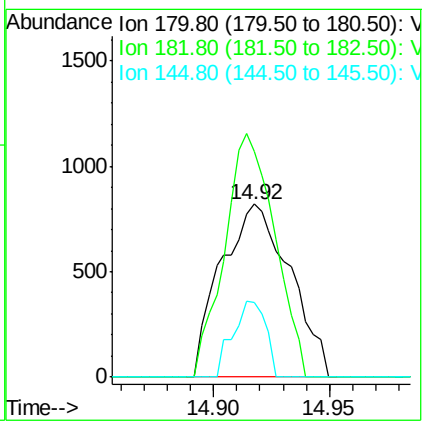


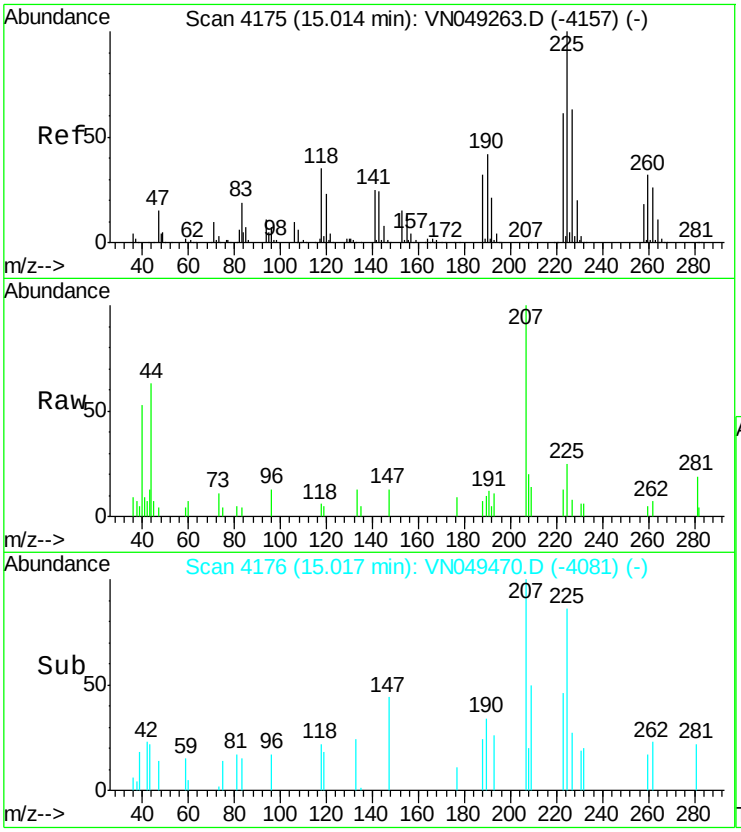




#93
1,2,4-Trichlorobenzene
Concen: 4.877 ug/l
RT: 14.92 min Scan# 4145
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion:180 Resp: 1695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 102.1 | 46.9 | 140.8 |
| 145 | 20.9 | 14.7 | 44.1 |



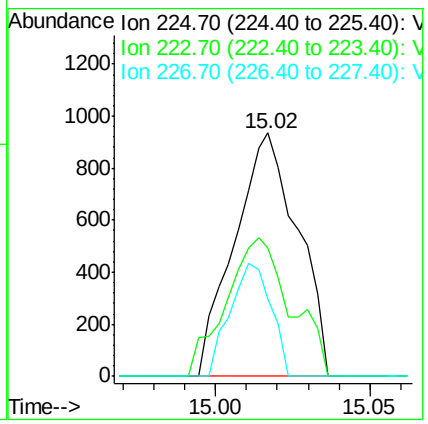


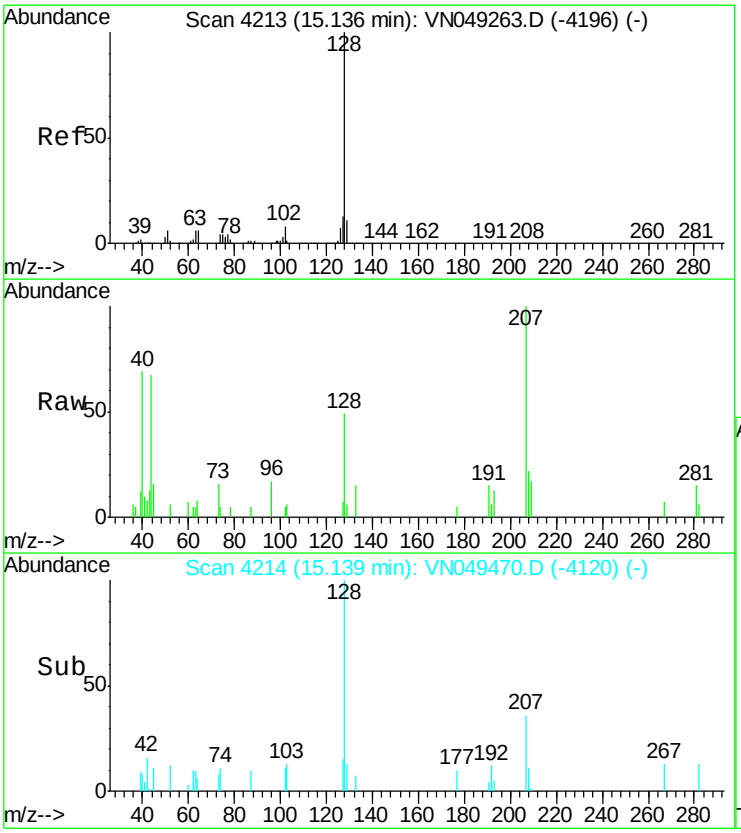

#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.02 min Scan# 4176
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :** MSVOA_N
**ClientSampleId :** VN0621MBL01

Tgt Ion:225 Resp: 1331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 58.3 | 32.1 | 96.3 |
| 227 | 30.1 | 31.8 | 95.3# |

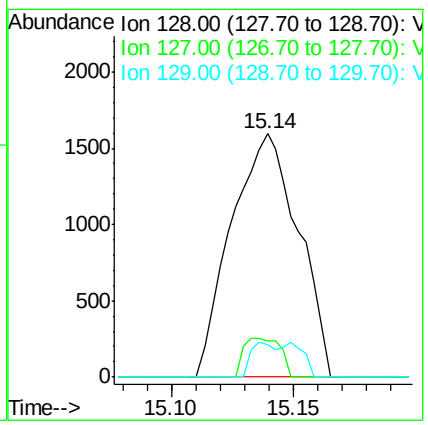


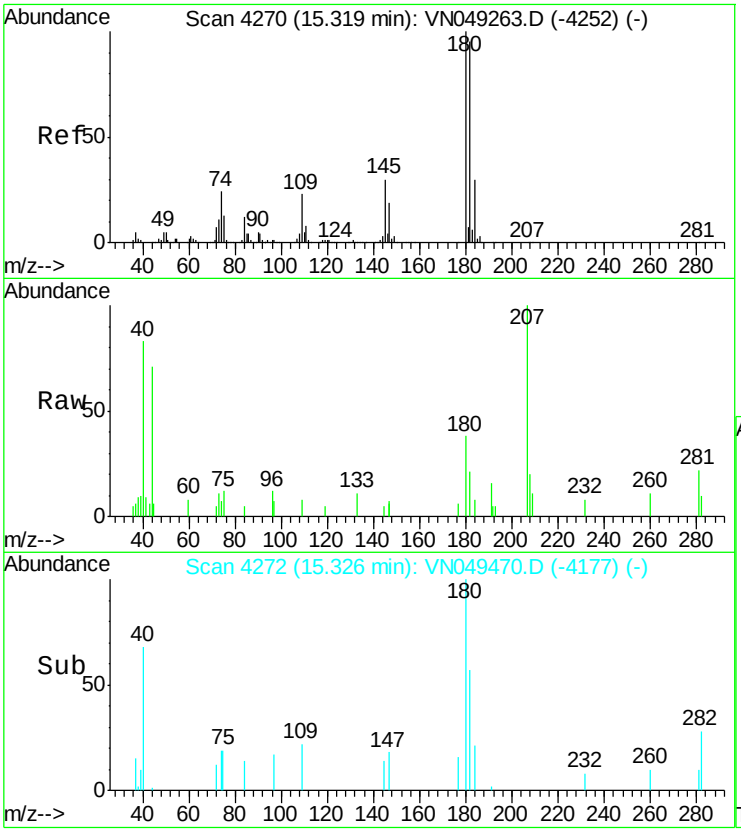




#95
Naphthalene
Concen: 2.243 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

Tgt Ion:128 Resp: 3030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 8.7 | 10.6 | 16.0# |
| 129 | 5.1 | 8.5 | 12.7# |






#96
1,2,3-Trichlorobenzene
Concen: 3.613 ug/l
RT: 15.33 min Scan# 4272
Delta R.T. 0.01 min
Lab File: VN049470.D
Acq: 21 Jun 2018 16:00

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0621MBL01

Tgt Ion:180 Resp: 1873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 83.1 | 47.3 | 141.8 |
| 145 | 21.4 | 15.6 | 46.7 |