Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071318\
Data File : VW003936.D
Acq On : 14 Jul 2018 00:30
Operator : VA/AP
Sample : J3821-03
Misc : 6.11G/5ML/MSVOA_W/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :**

Quant Time: Jul 14 01:05:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 184396 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 321553 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 252685 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 93160 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 128046 | 53.10 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 106.20% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 101038 | 44.90 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 89.80% | | | |
| 50) Toluene-d8 | 10.33 | 98 | 346448 | 40.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.48% | | | |
| 62) 4-Bromofluorobenzene | 12.63 | 95 | 99746 | 32.02 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 64.04% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 5.24 | 59 | 137 | 1.048 | ug/l # | 70 |
| 13) Acrolein | 3.89 | 56 | 48 | 4.959 | ug/l # | 61 |
| 16) Acetone | 4.15 | 43 | 31218 | 74.619 | ug/l | 96 |
| 18) Methyl Acetate | 4.68 | 43 | 4483 | 3.801 | ug/l # | 54 |
| 20) Methylene Chloride | 4.91 | 84 | 11437 | 1.343 | ug/l | 95 |
| 25) 2-Butanone | 7.18 | 43 | 4499 | 6.866 | ug/l | 93 |
| 31) Cyclohexane | 7.95 | 56 | 4706 | 1.337 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.95 | 75 | 15659 | 4.590 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 7.95 | 117 | 19150 | 5.903 | ug/l # | 15 |
| 49) 1,4-Dioxane | 9.39 | 88 | 20 | 1.003 | ug/l # | 12 |
| 58) 2-Chloroethyl Vinyl ether | 9.93 | 63 | 82 | 13.233 | ug/l # | 49 |
| 69) o-Xylene | 12.17 | 106 | 3590 | 1.067 | ug/l | 93 |
| 76) 1,2,3-Trichloropropane | 12.62 | 75 | 53778 | 58.786 | ug/l # | 100 |
| 78) n-propylbenzene | 12.81 | 91 | 12723 | 1.606 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105 | 37008 | 6.806 | ug/l | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.62 | 75 | 53778 | 143.804 | ug/l # | 8 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 125157 | 22.156 | ug/l | 97 |
| 85) sec-Butylbenzene | 13.39 | 105 | 10591 | 1.579 | ug/l # | 78 |
| 86) p-Isopropyltoluene | 13.51 | 119 | 10515 | 1.794 | ug/l | 97 |
| 89) n-Butylbenzene | 13.83 | 91 | 19933 | 3.457 | ug/l # | 79 |
| 90) Hexachloroethane | 14.10 | 117 | 7452 | 6.599 | ug/l # | 10 |
| 95) Naphthalene | 15.38 | 128 | 14571 | 4.217 | ug/l # | 94 |

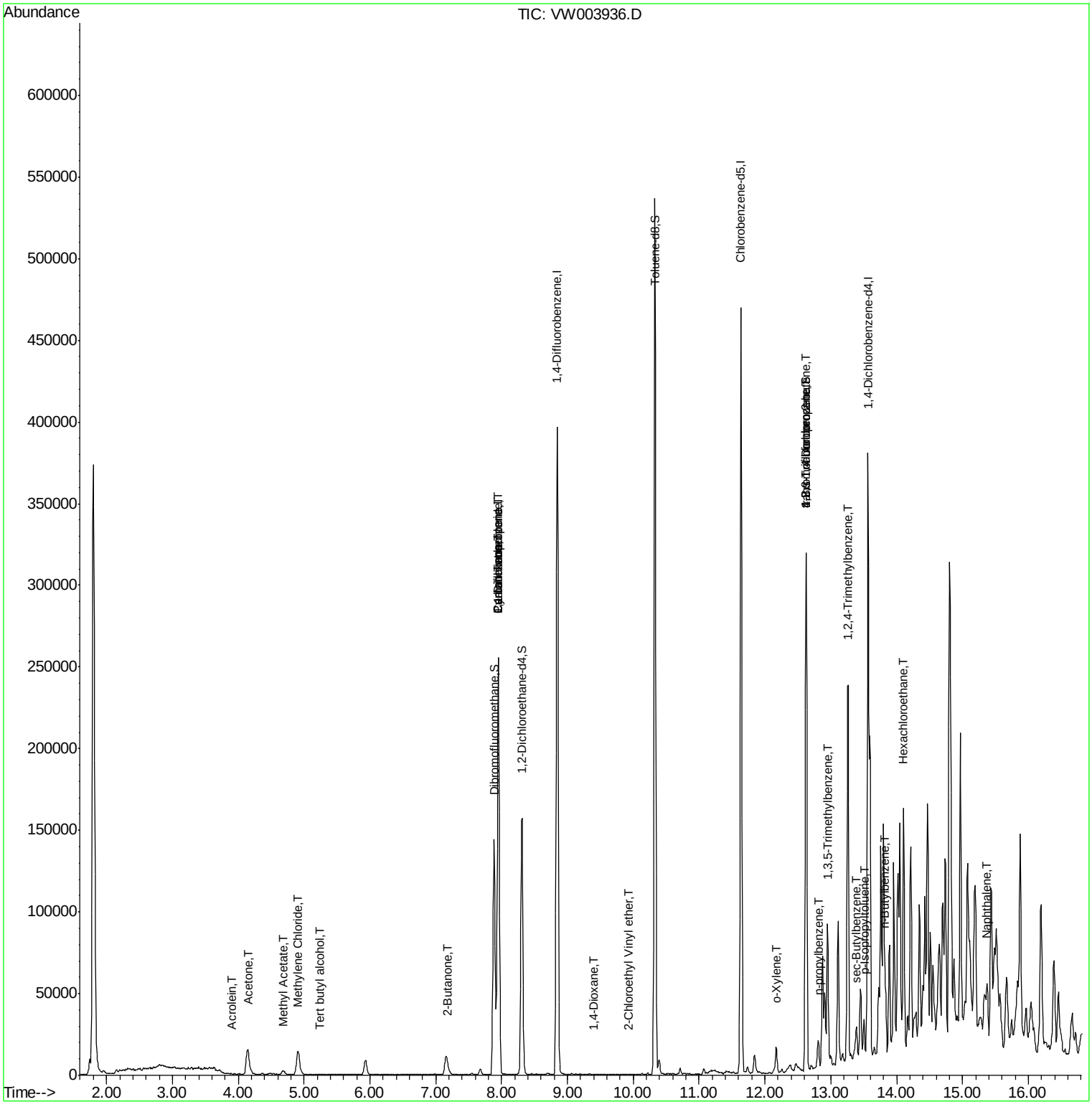
(#) = qualifier out of range (m) = manual integration (+) = signals summed

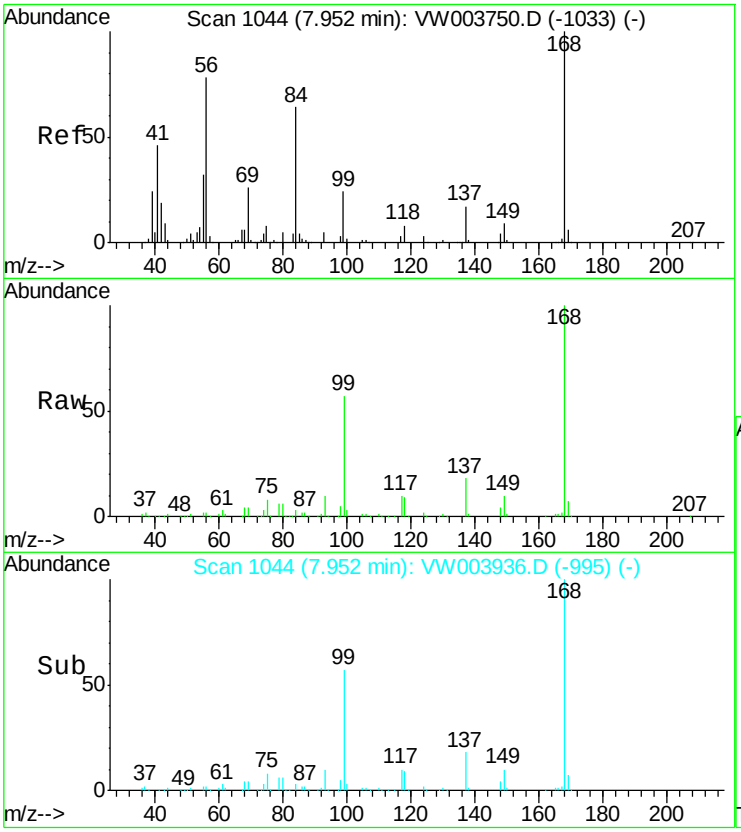
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
Data File : VW003936.D
Acq On : 14 Jul 2018 00:30
Operator : VA/AP
Sample : J3821-03
Misc : 6.11G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**ClientSampleId :**

Quant Time: Jul 14 01:05:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration



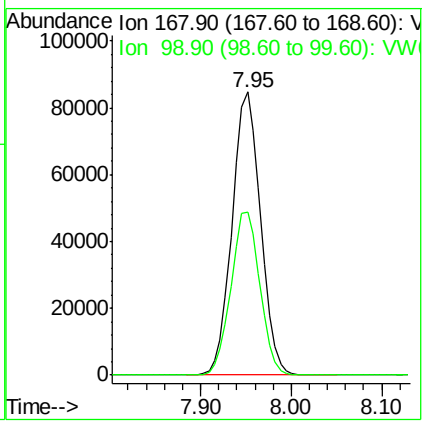


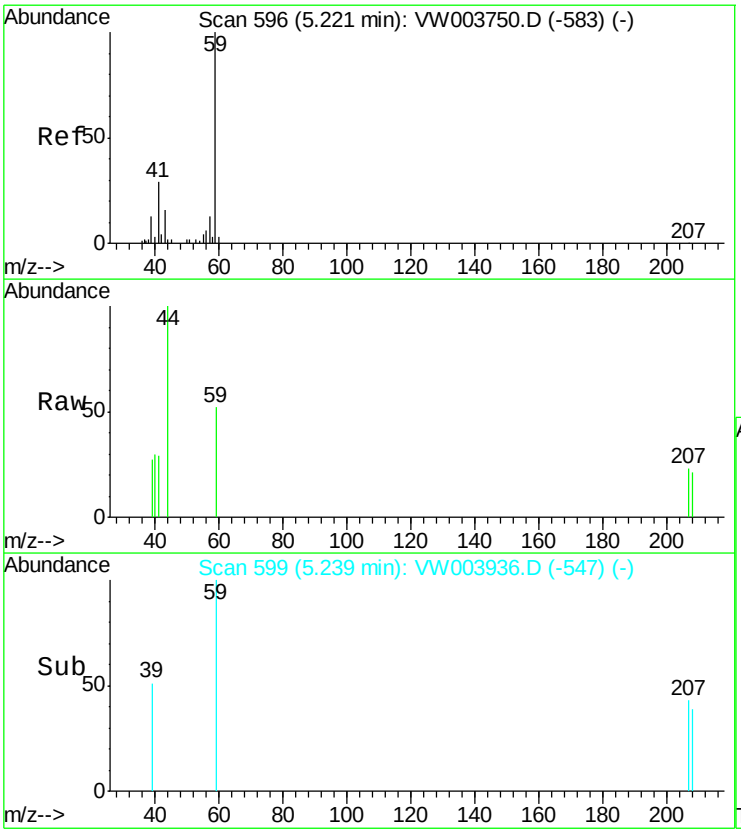

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:168 Resp: 184396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.4 | 45.0 | 67.6 |

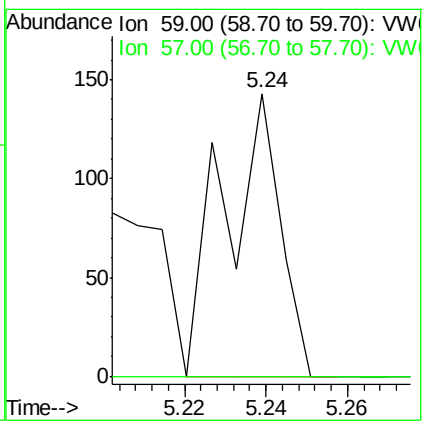


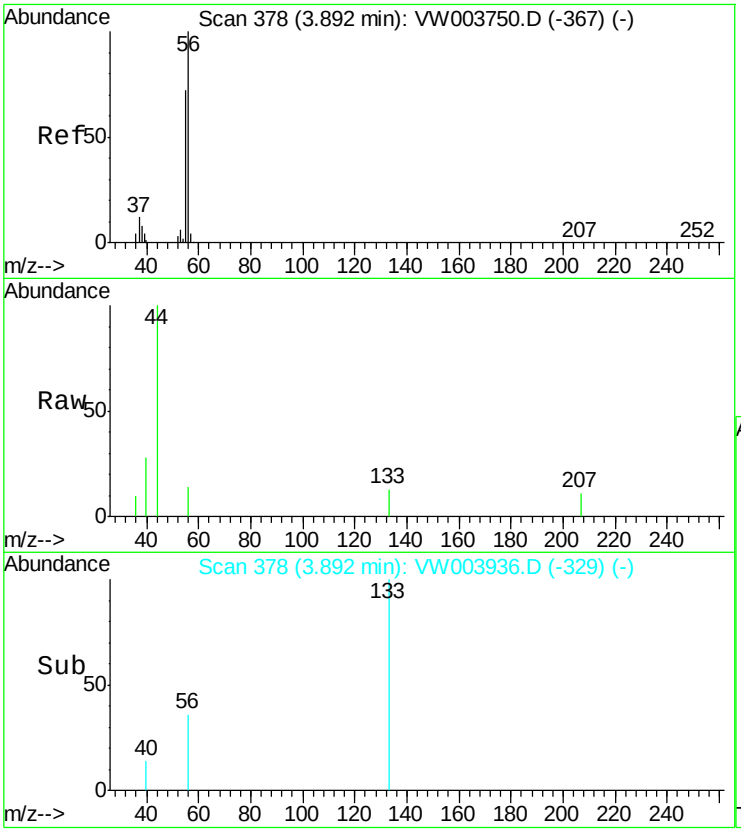




#11
Tert butyl alcohol
Concen: 1.048 ug/l
RT: 5.24 min Scan# 599
Delta R.T. 0.02 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 59 Resp: 137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 9.3 | 13.9# |



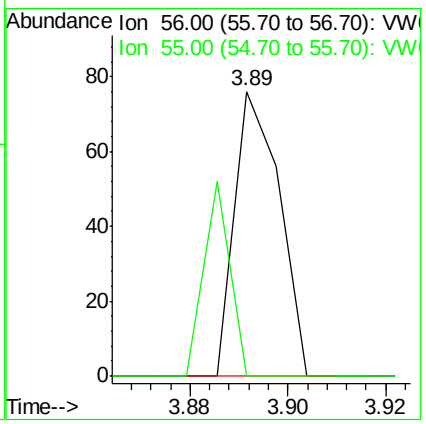


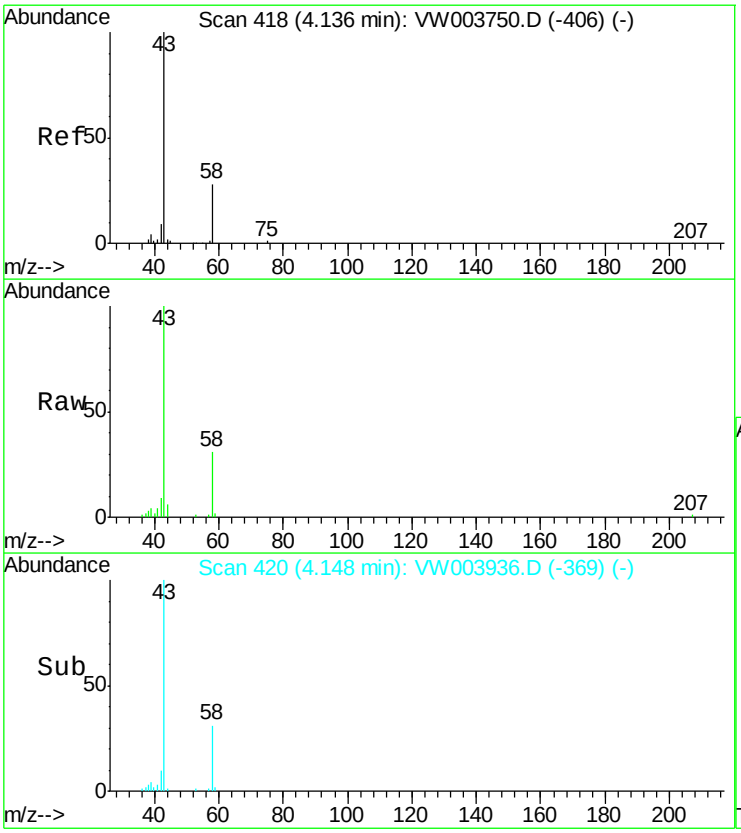

#13
Acrolein
Concen: 4.959 ug/l
RT: 3.89 min Scan# 378
Delta R.T. 0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 56 Resp: 48

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 39.6 | 57.5 | 86.3# |

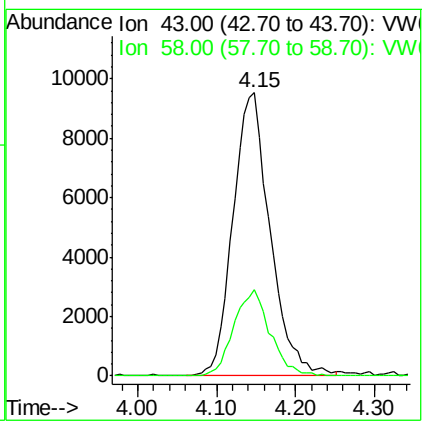


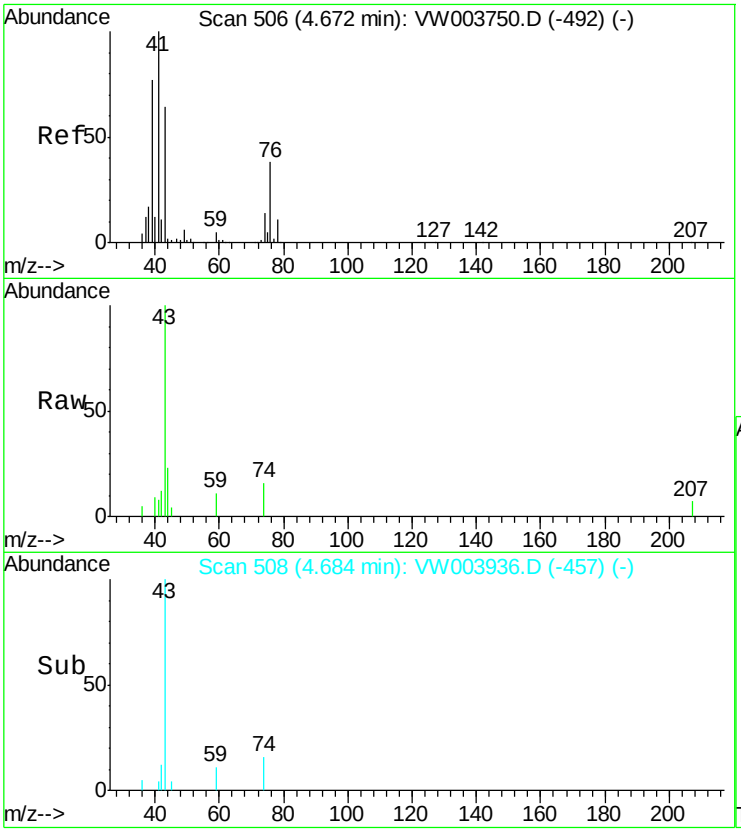




#16
Acetone
Concen: 74.619 ug/l
RT: 4.15 min Scan# 420
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 43 Resp: 31218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.5 | 22.6 | 34.0 |



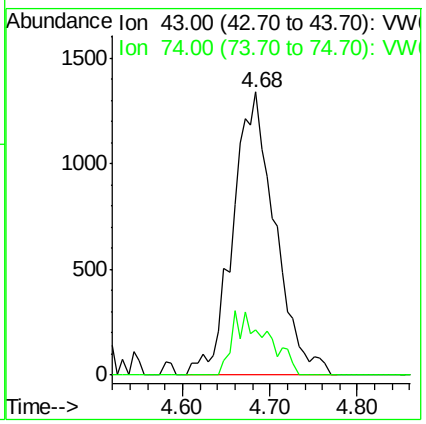


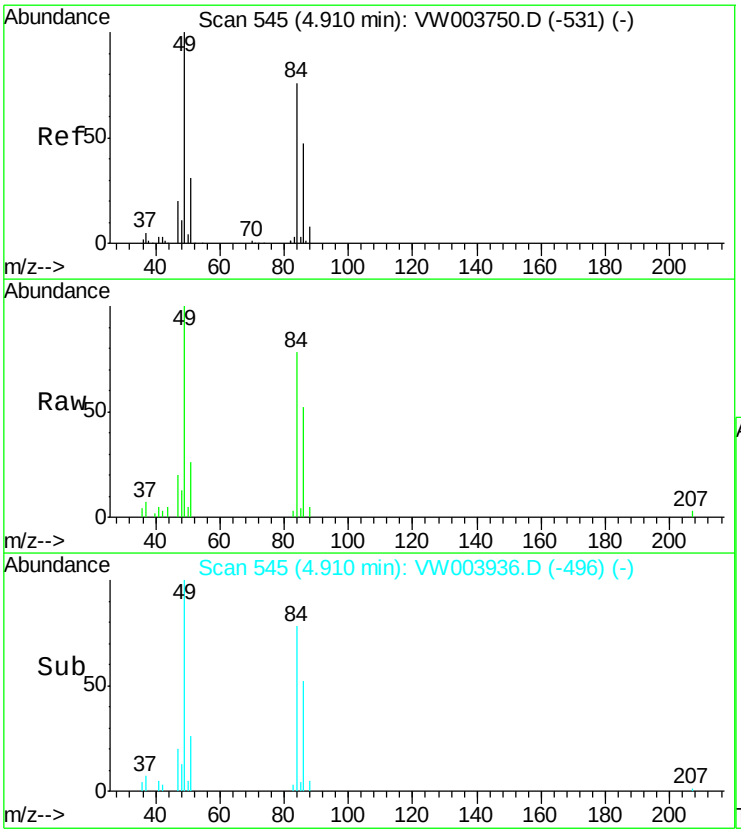

#18
Methyl Acetate
Concen: 3.801 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 43 Resp: 4483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 17.3 | 25.9# |

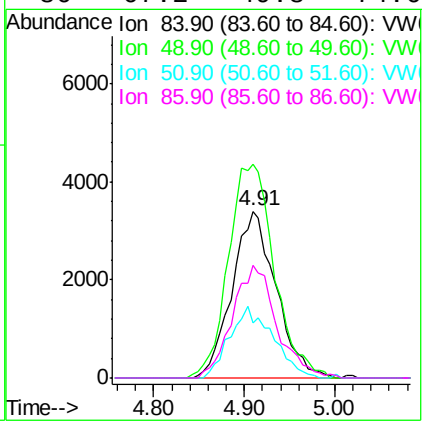


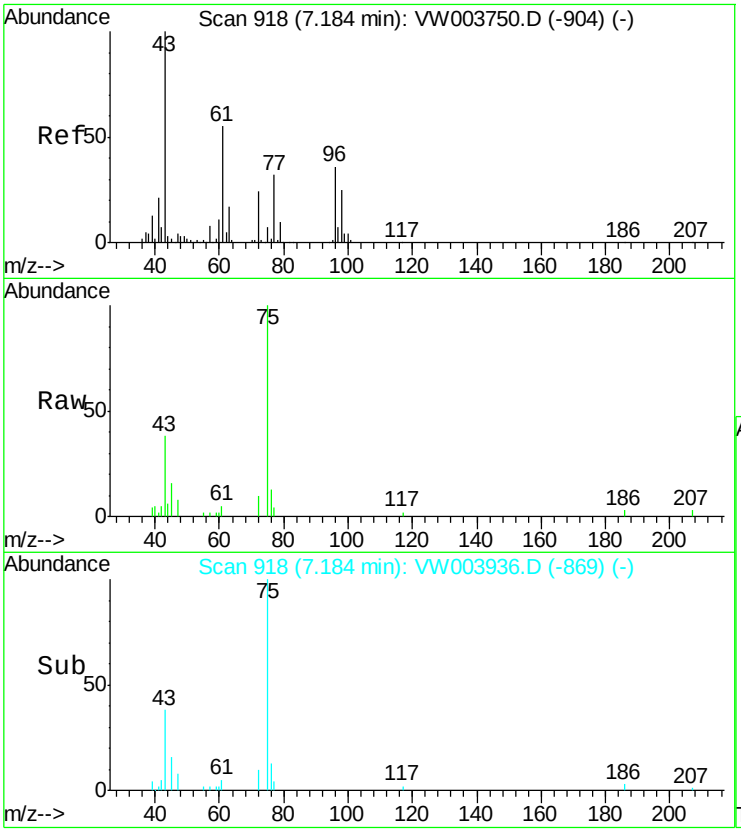




#20
Methylene Chloride
Concen: 1.343 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 84 Resp: 11437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.1 | 105.1 | 157.7 |
| 51 | 33.2 | 32.5 | 48.7 |
| 86 | 67.2 | 49.8 | 74.6 |



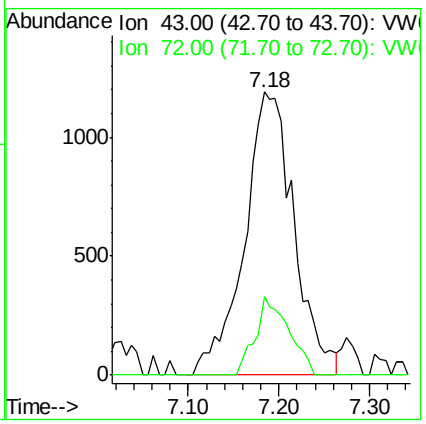


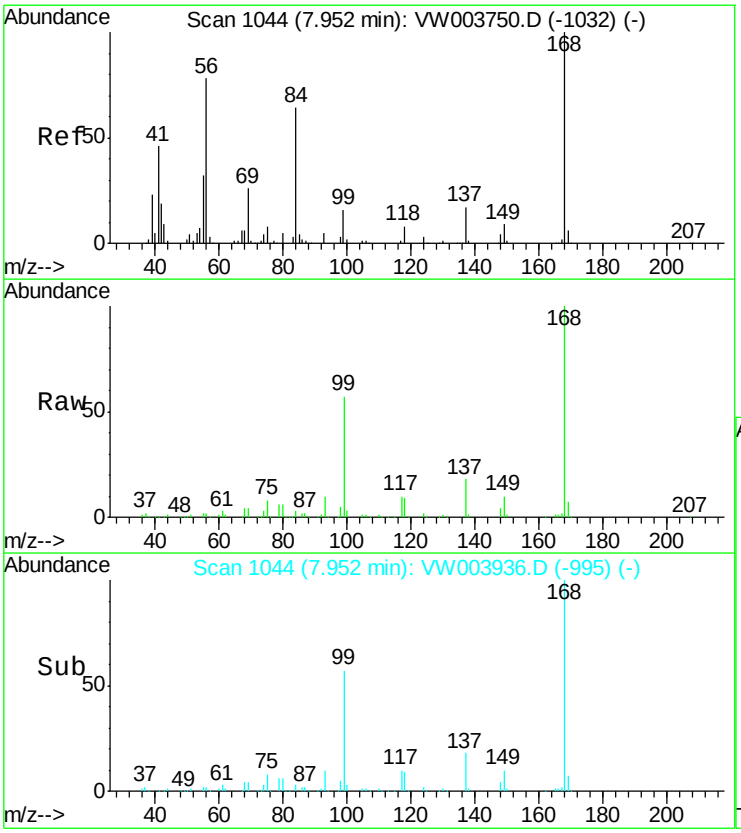

#25
2-Butanone
Concen: 6.866 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion: 43 Resp: 4499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 19.4 | 29.2 |

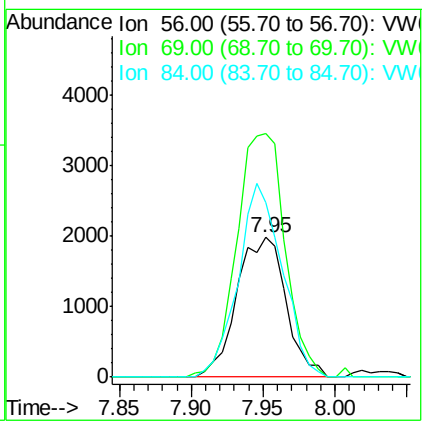


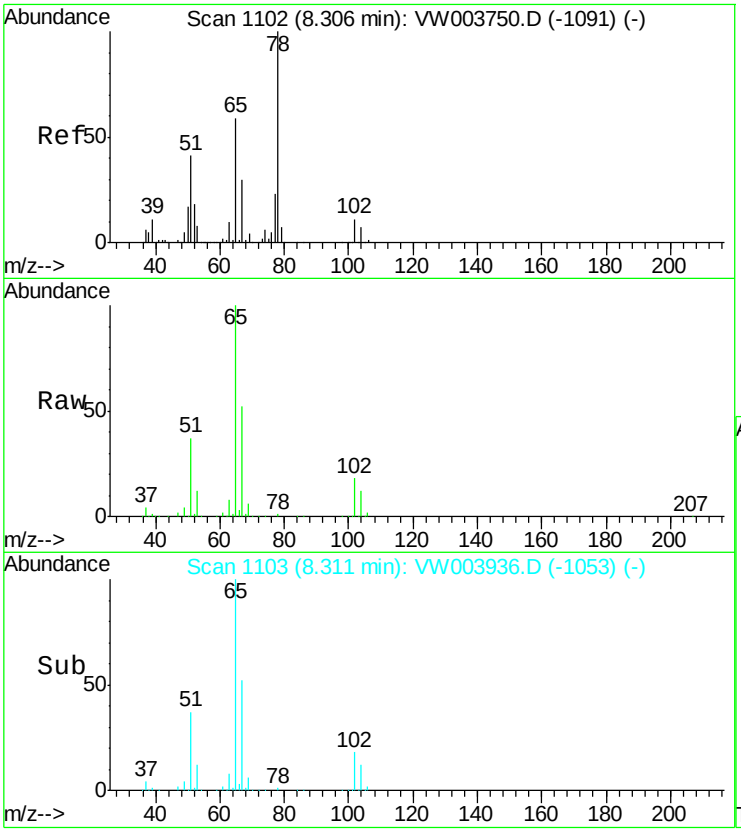




#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 56 Resp: 4706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 174.6 | 26.2 | 39.4# |
| 84 | 125.6 | 65.5 | 98.3# |



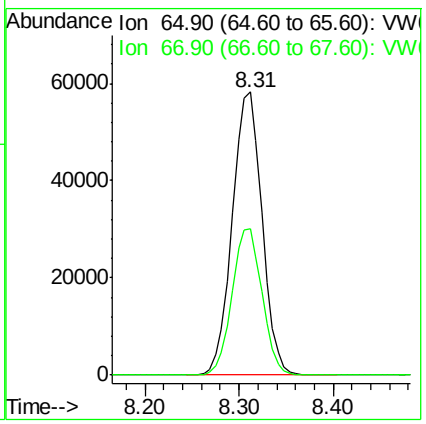


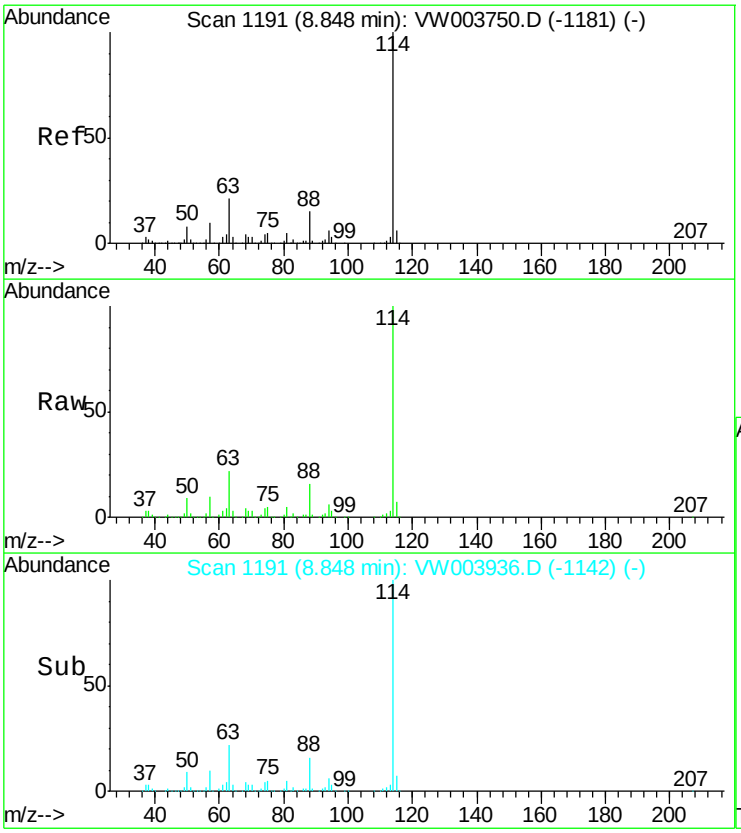

#33
1,2-Dichloroethane-d4
Concen: 53.100 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 65 Resp: 128046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 103.8 |

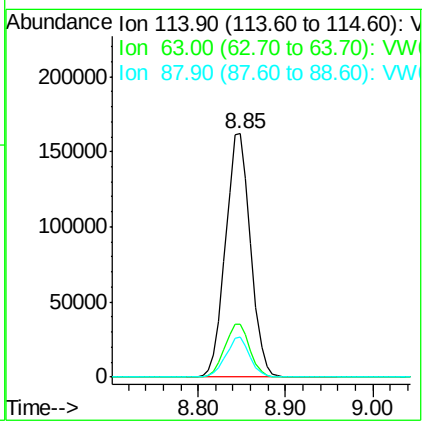


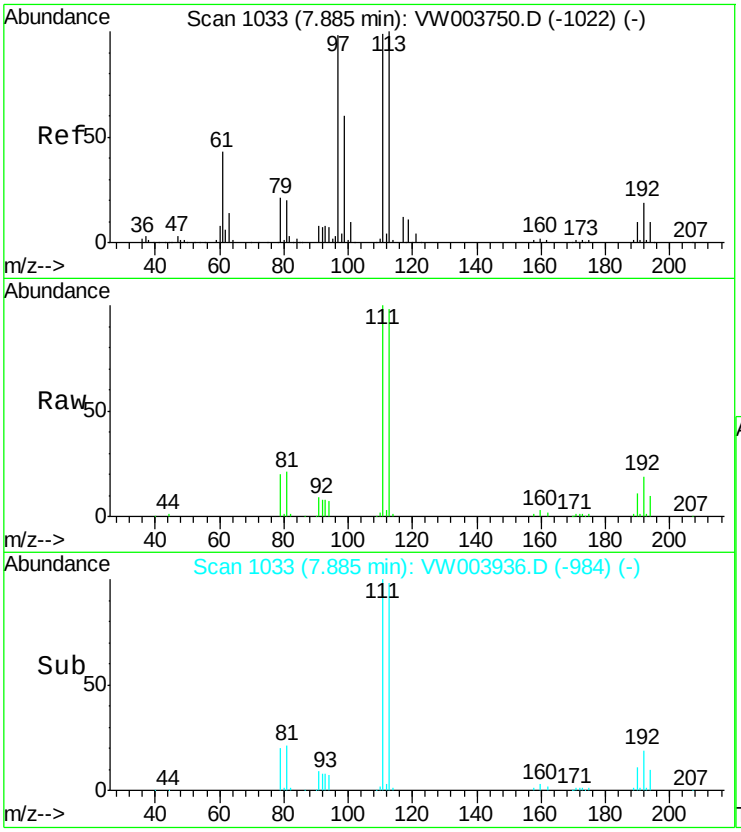




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion:114 Resp: 321553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 41.8 |
| 88 | 16.4 | 0.0 | 30.2 |



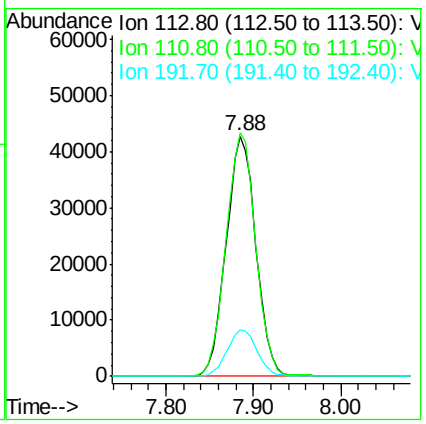


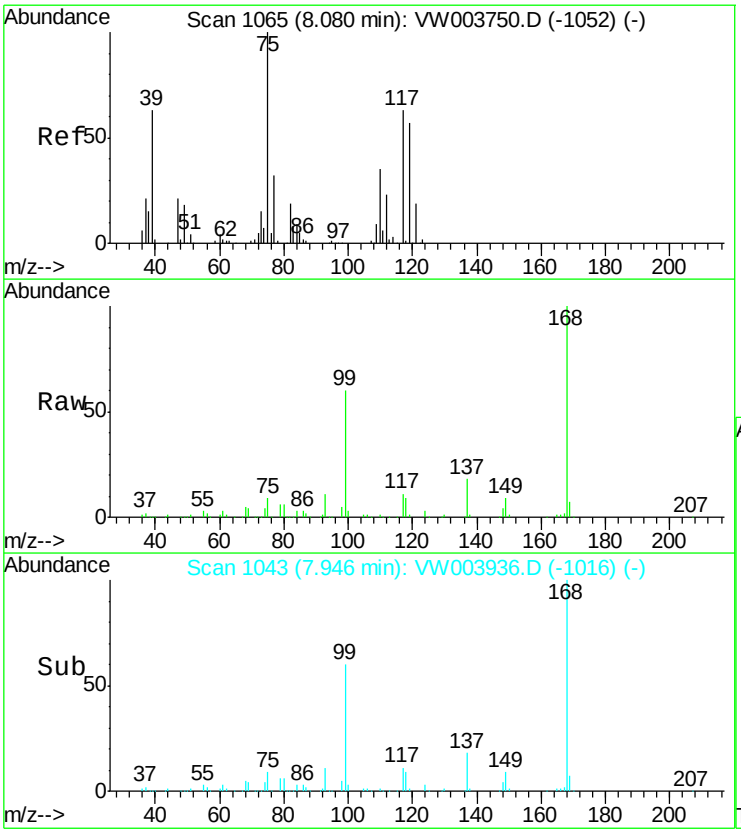

#35
Dibromofluoromethane
Concen: 44.896 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:113 Resp: 101038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.4 | 81.7 | 122.5 |
| 192 | 19.5 | 15.8 | 23.8 |

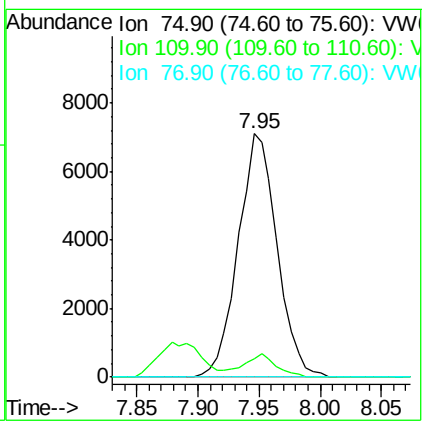


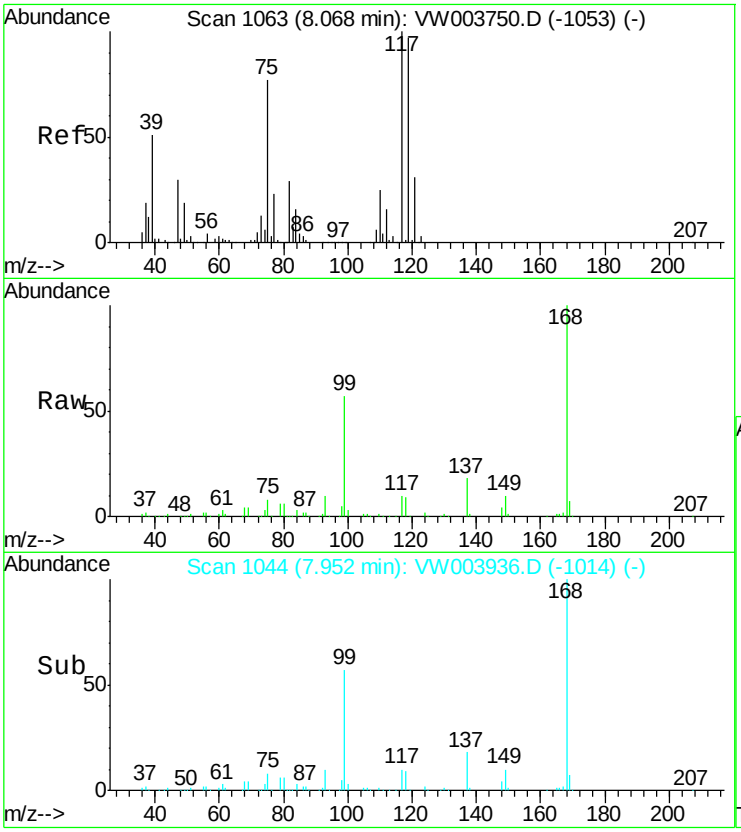




#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 75 Resp: 15659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.0 | 16.9 | 50.6# |
| 77 | 0.0 | 24.8 | 37.2# |



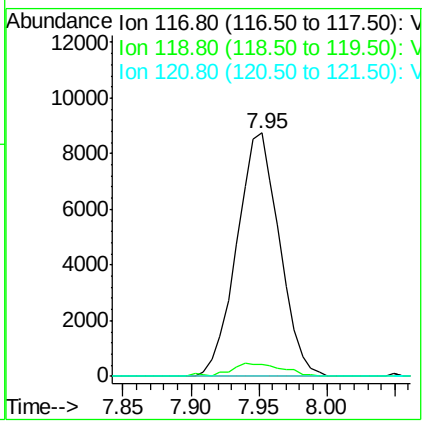


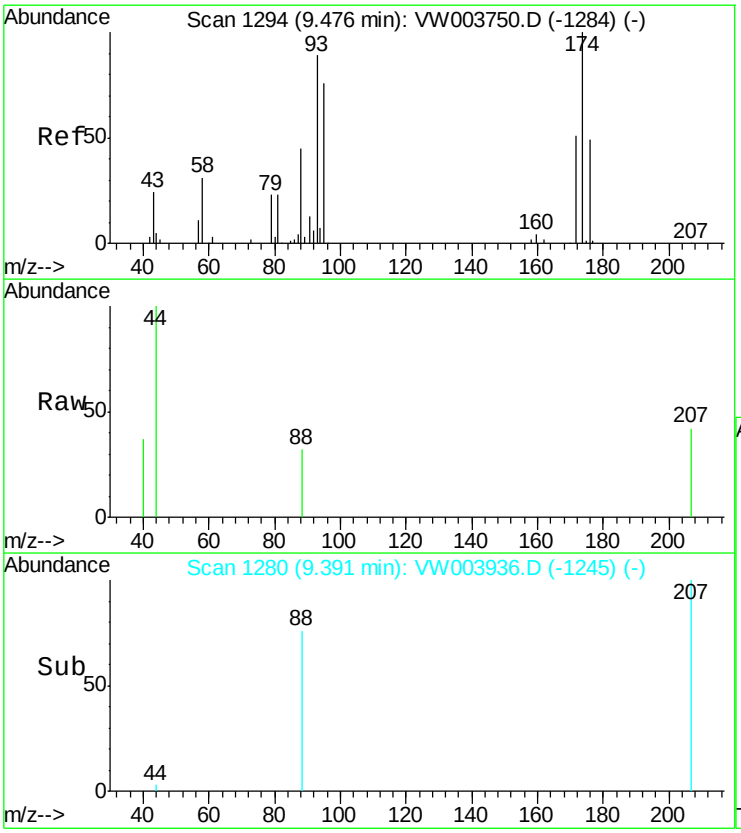

#38
Carbon Tetrachloride
Concen: 5.903 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion:117 Resp: 19150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.8 | 77.4 | 116.2# |
| 121 | 0.0 | 24.6 | 37.0# |

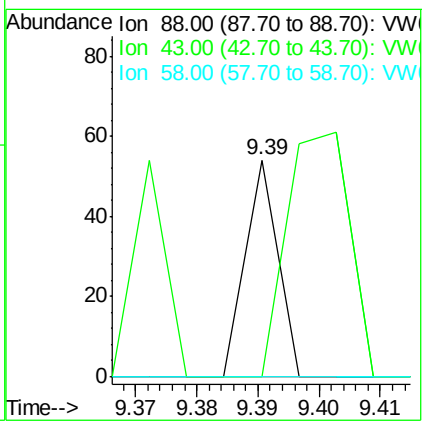


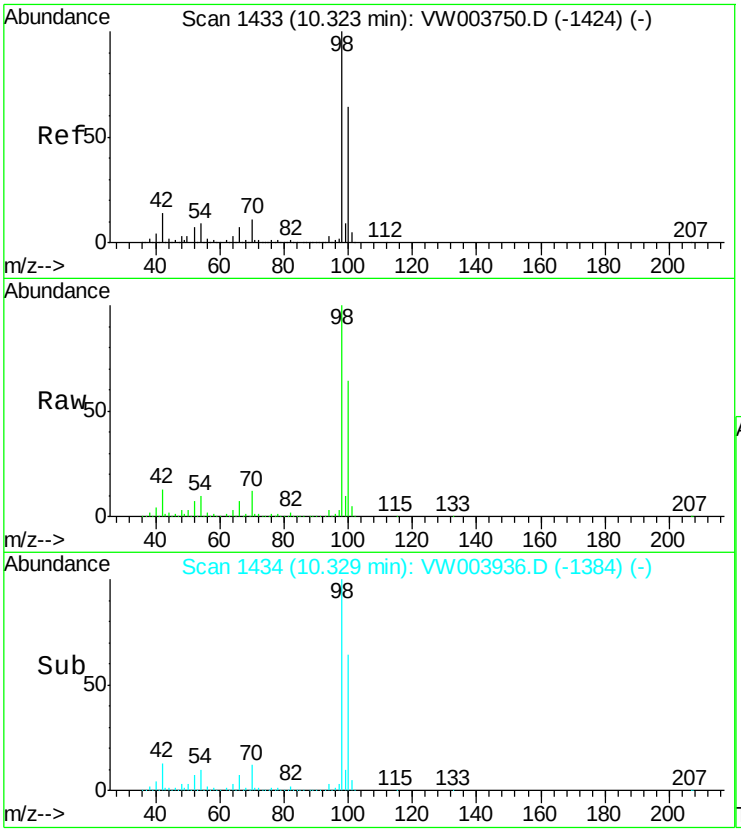




#49
1,4-Dioxane
Concen: 1.003 ug/l
RT: 9.39 min Scan# 1280
Delta R.T. -0.09 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 88 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 220.0 | 0.0 | 0.0# |
| 58 | 0.0 | 59.7 | 89.5# |



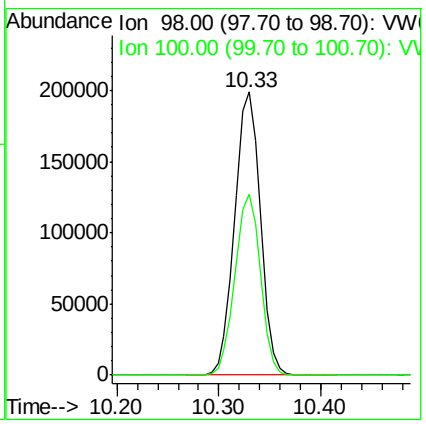


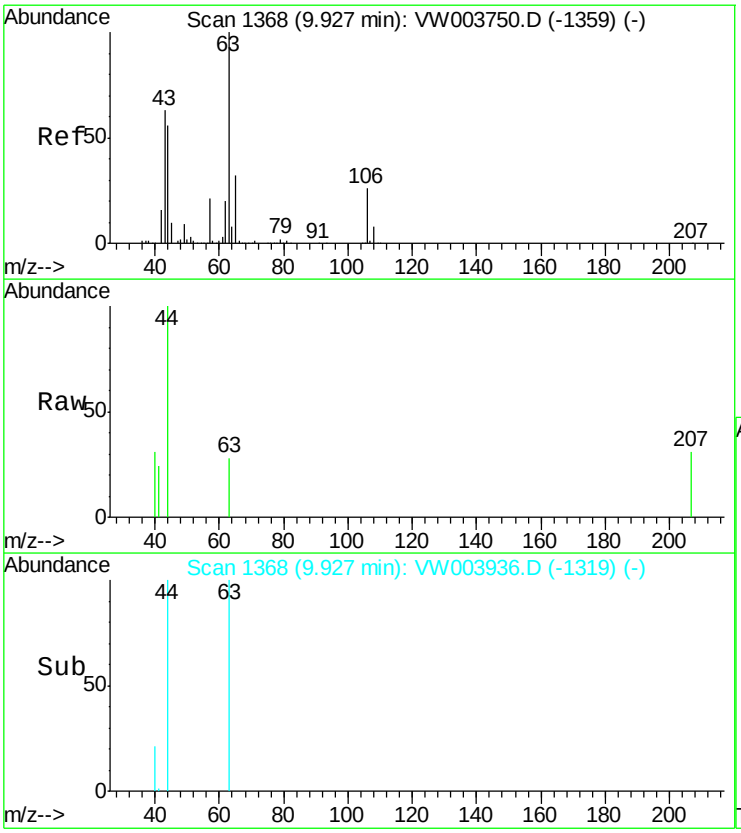

#50
Toluene-d8
Concen: 40.244 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 98 Resp: 346448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.0 | 50.8 | 76.2 |

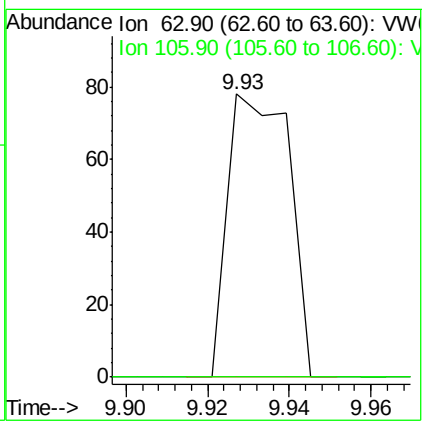


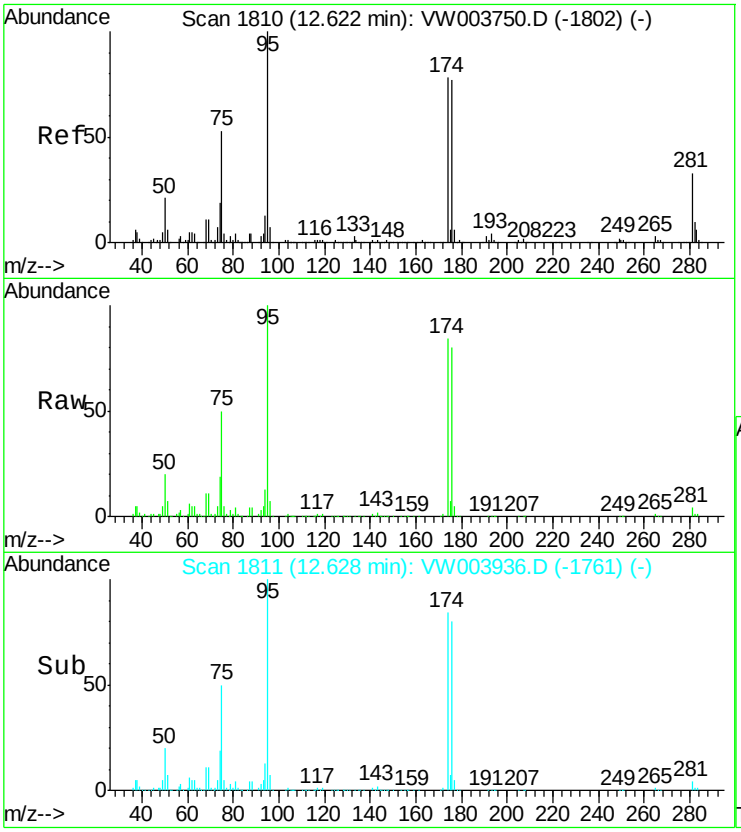




#58
2-Chloroethyl Vinyl ether
Concen: 13.233 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 63 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 20.9 | 31.3# |



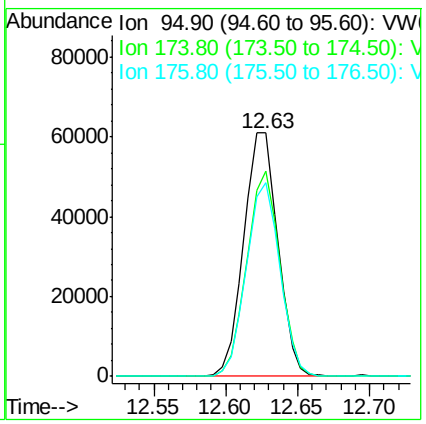


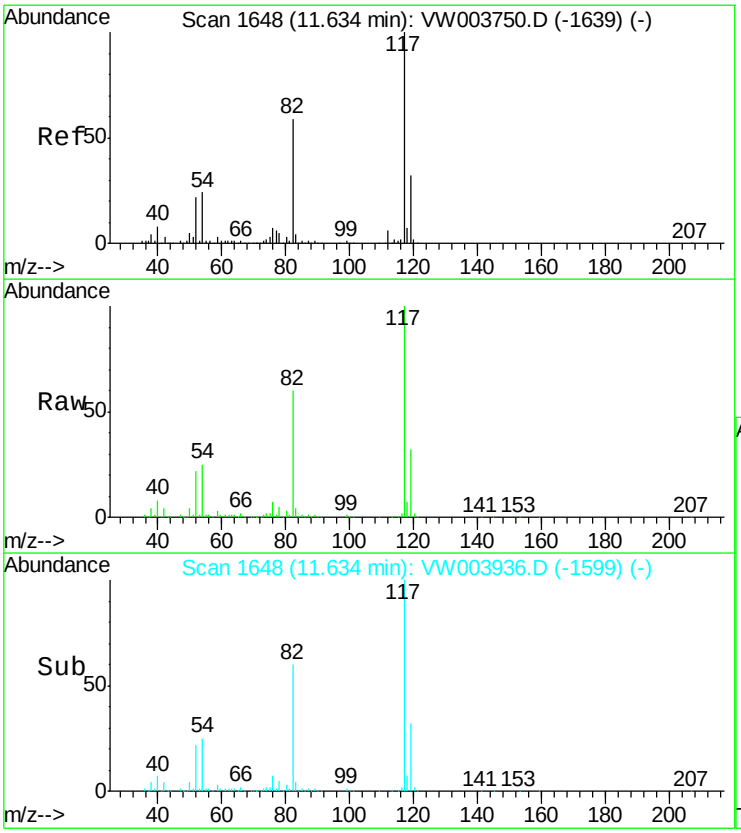

#62
4-Bromofluorobenzene
Concen: 32.024 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 95 Resp: 99746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 81.6 | 0.0 | 163.4 |
| 176 | 78.4 | 0.0 | 156.8 |

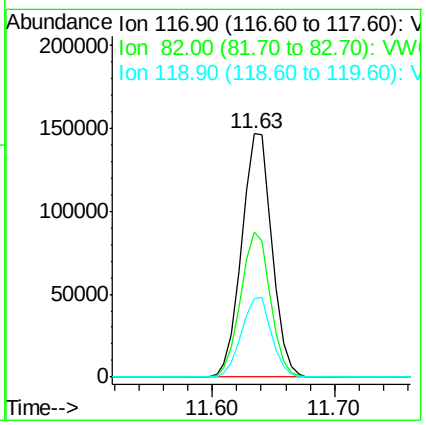


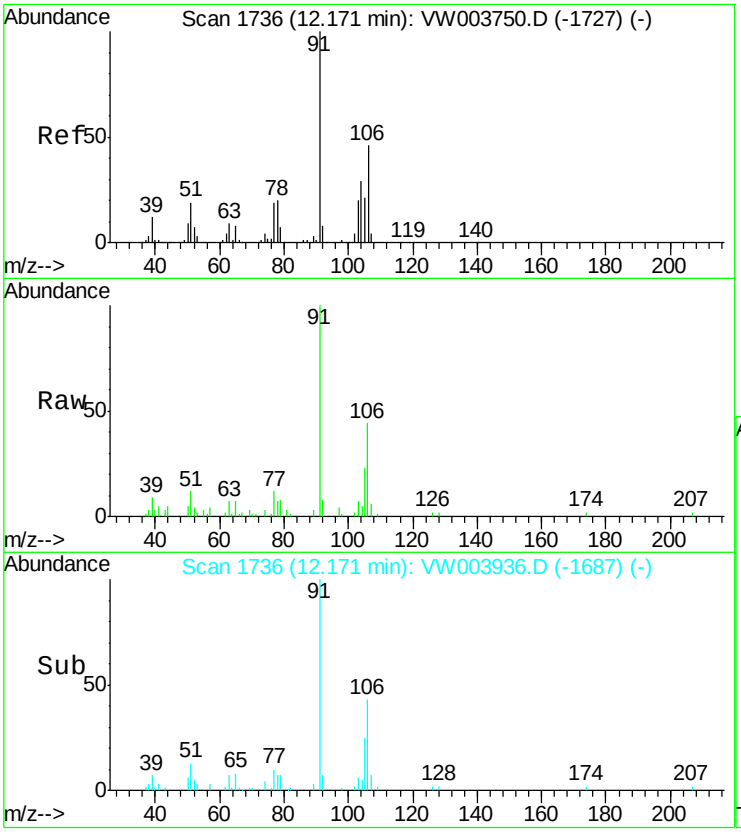




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion:117 Resp: 252685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.8 | 46.9 | 70.3 |
| 119 | 32.3 | 25.5 | 38.3 |



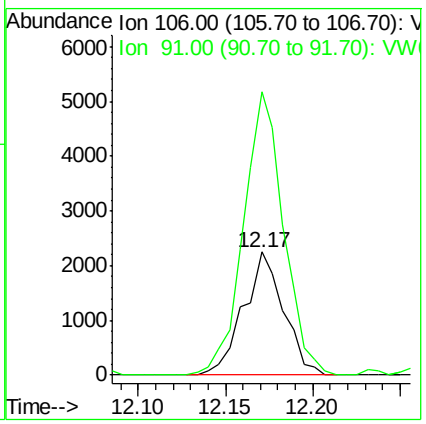


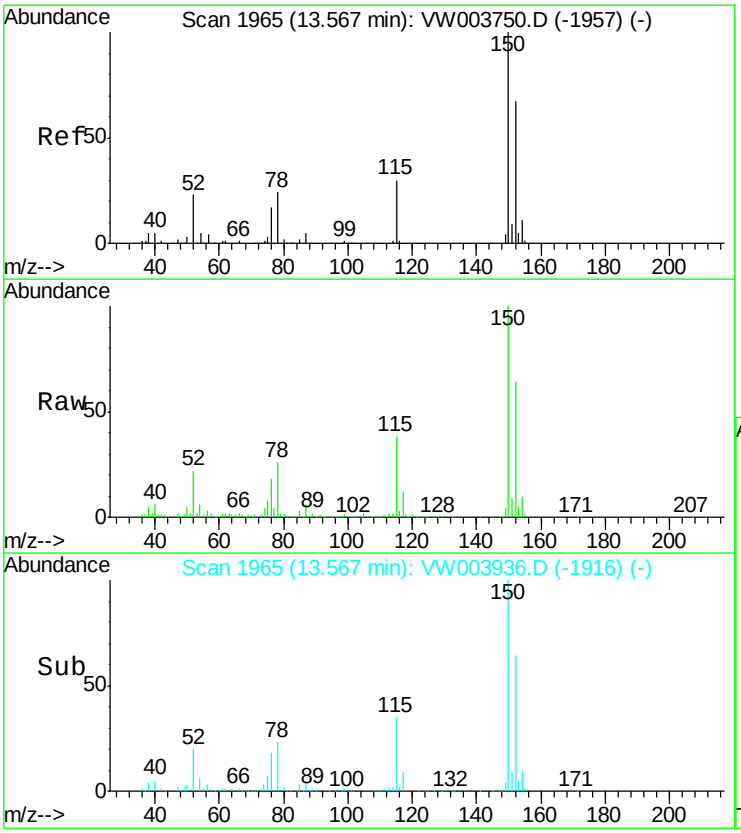

#69
o-Xylene
Concen: 1.067 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion:106 Resp: 3590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.0 | 109.1 | 327.2 |

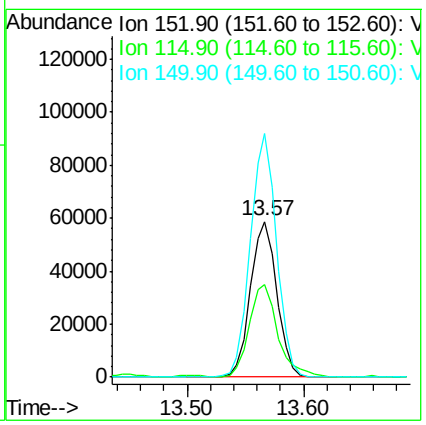


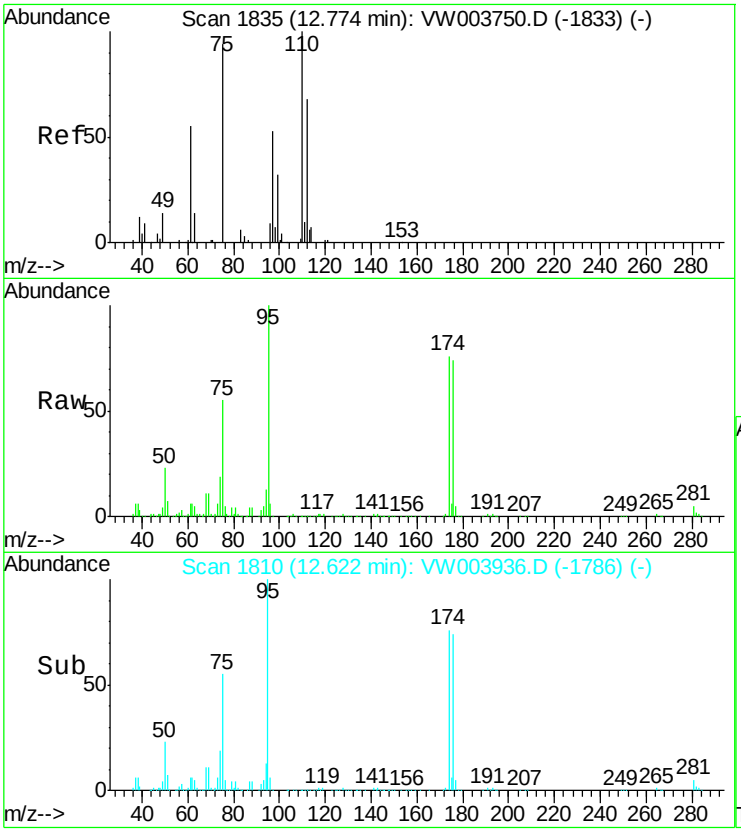




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion:152 Resp: 93160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.8 | 28.9 | 86.8 |
| 150 | 154.8 | 0.0 | 342.4 |



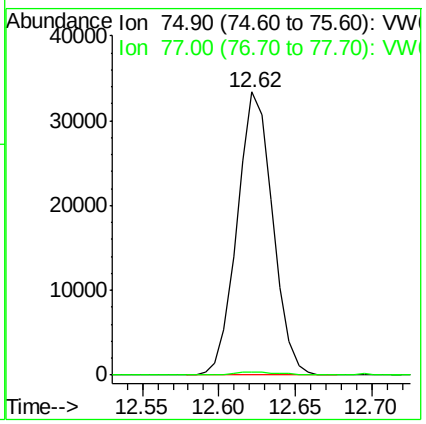


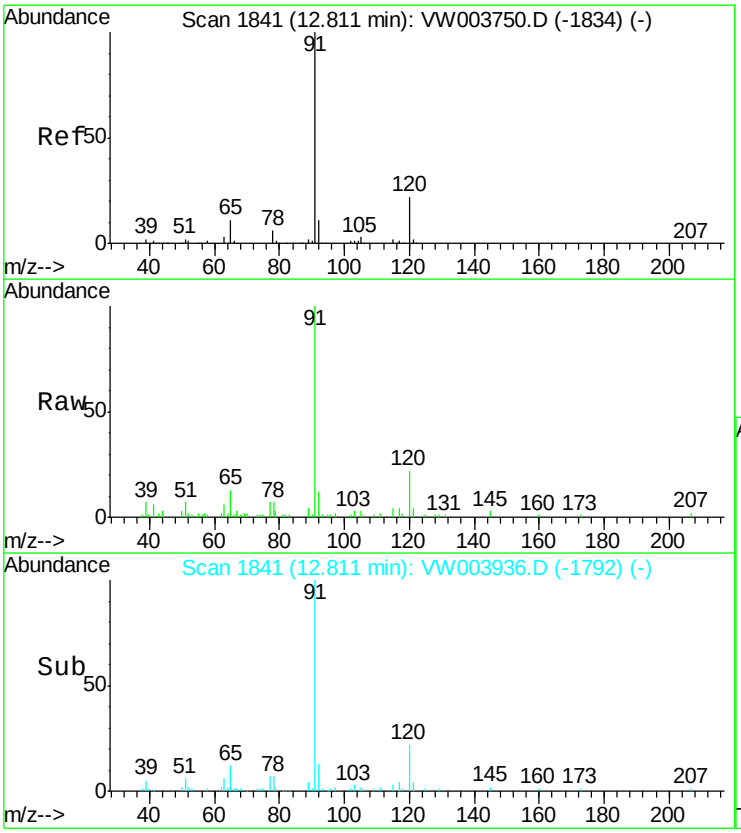

#76
1,2,3-Trichloropropane
Concen: 58.786 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion: 75 Resp: 53778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.8 | 0.0 | 0.0# |

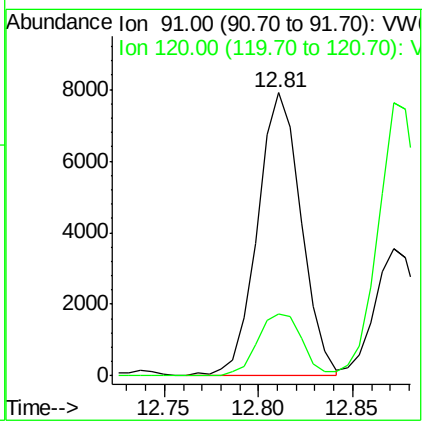


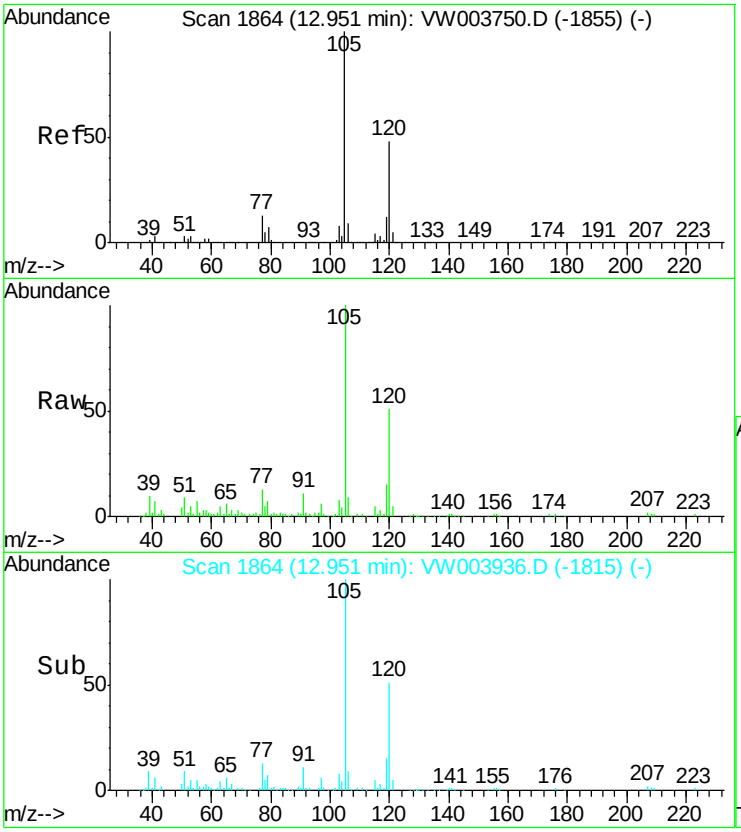




#78
n-propylbenzene
Concen: 1.606 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 91 Resp: 12723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.2 | 33.6 |



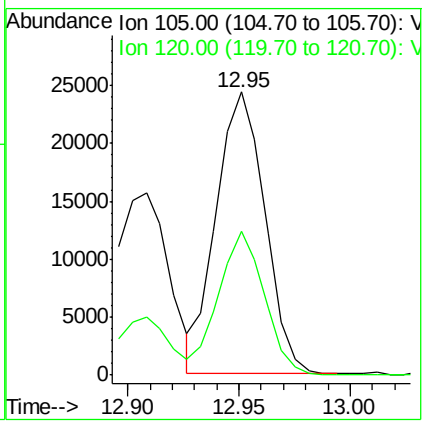


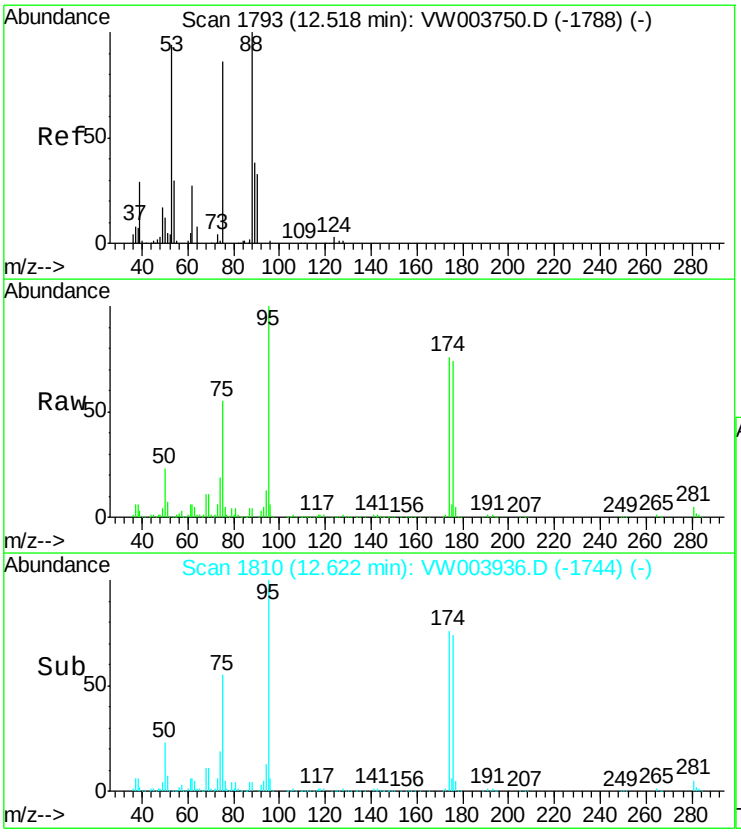

#80
1,3,5-Trimethylbenzene
Concen: 6.806 ug/l
RT: 12.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:105 Resp: 37008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 24.2 | 72.6 |

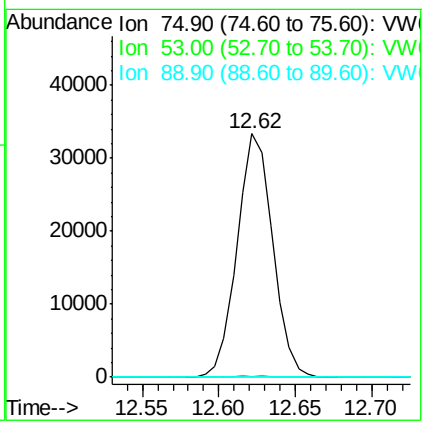


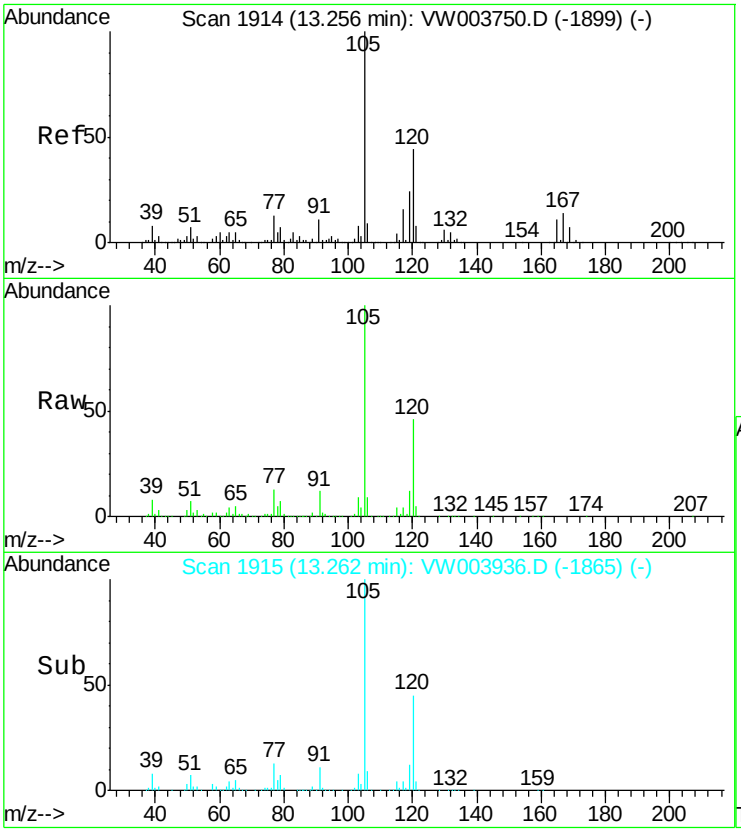




#81
trans-1,4-Dichloro-2-butene
Concen: 143.804 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 75 Resp: 53778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 85.0 | 127.6# |
| 89 | 0.0 | 36.3 | 54.5# |



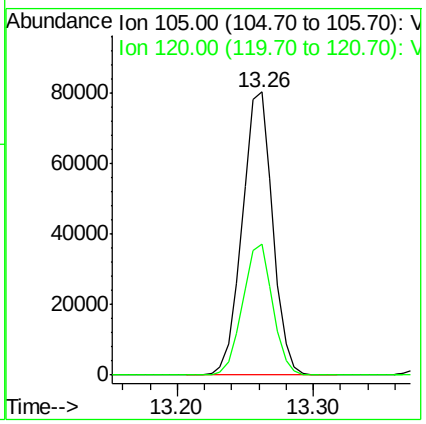


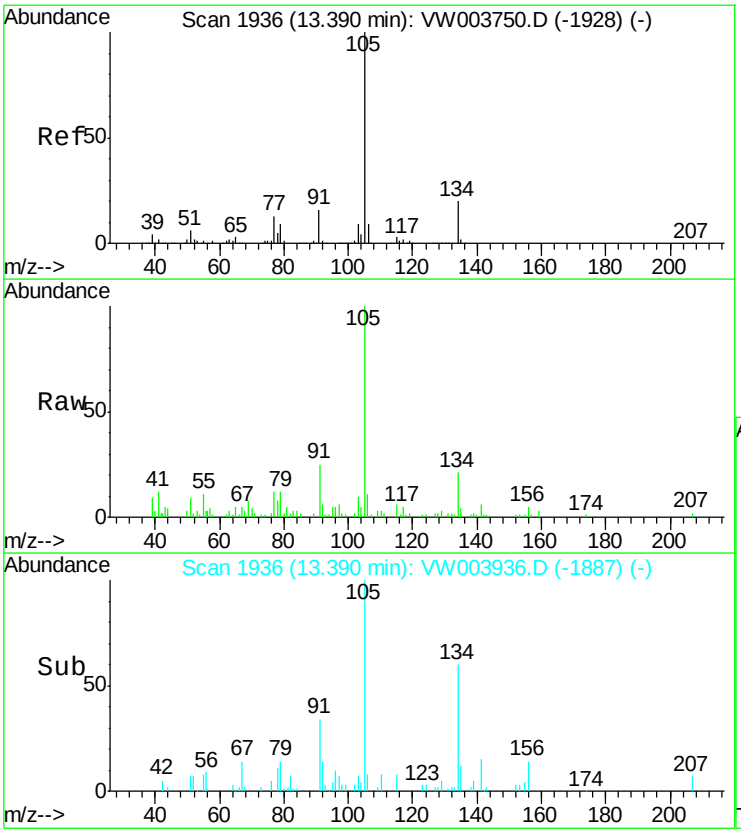

#84
1,2,4-Trimethylbenzene
Concen: 22.156 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:105 Resp: 125157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.9 | 22.0 | 66.0 |

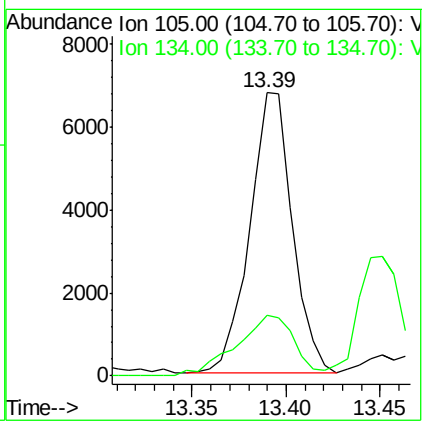


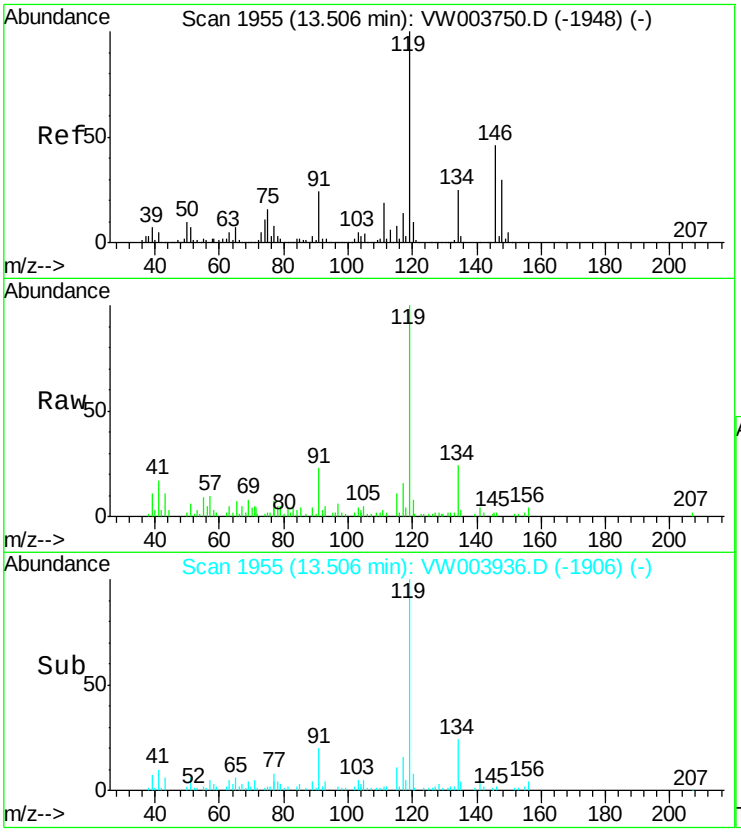




#85
sec-Butylbenzene
Concen: 1.579 ug/l
RT: 13.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion:105 Resp: 10591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 29.5 | 9.8 | 29.4# |



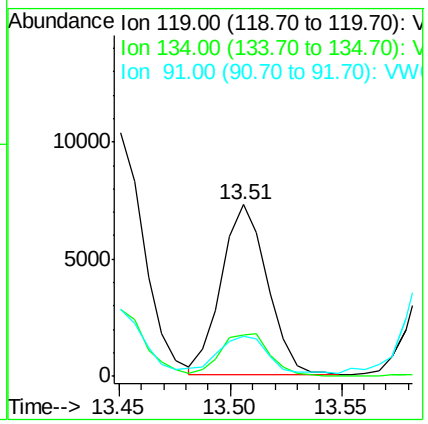


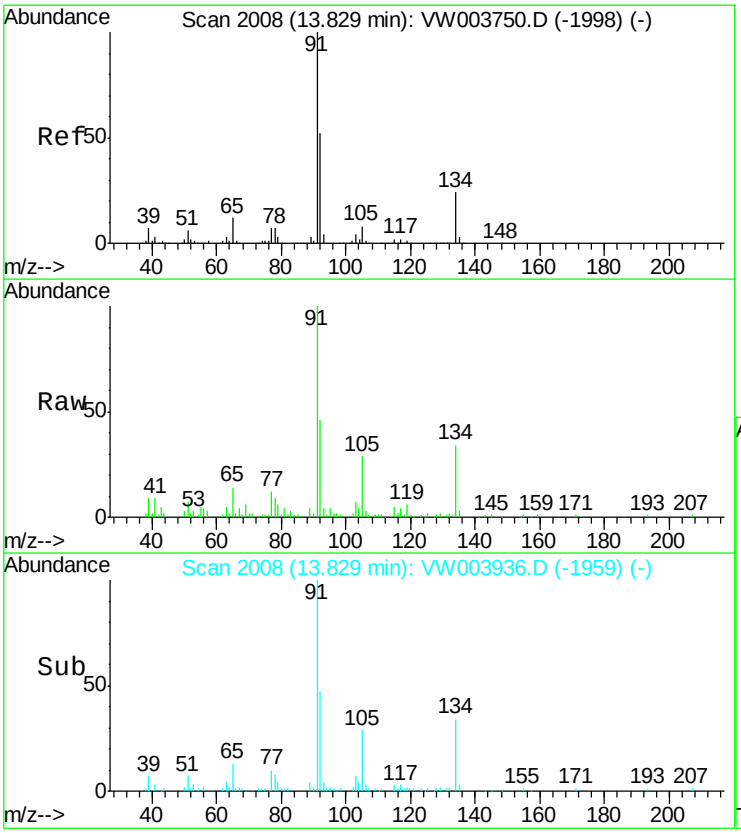

#86
p-Isopropyltoluene
Concen: 1.794 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :**
MSVOA_W
**ClientSampleId :**

Tgt Ion:119 Resp: 10515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.8 | 13.1 | 39.1 |
| 91 | 21.9 | 11.9 | 35.9 |

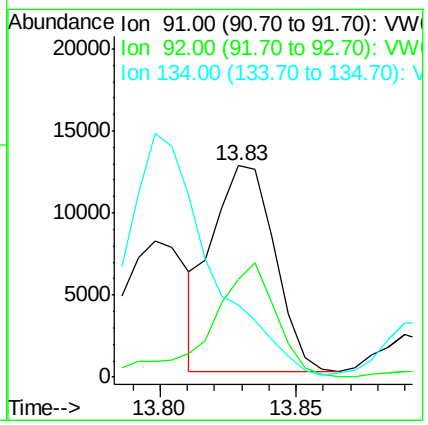


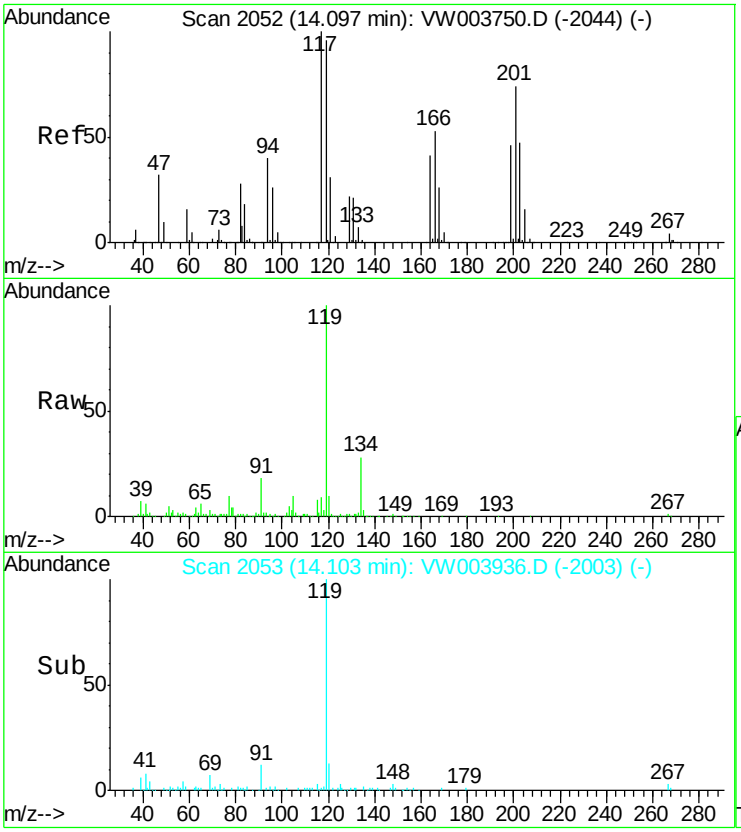




#89
n-Butylbenzene
Concen: 3.457 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion: 91 Resp: 19933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.4 | 26.1 | 78.3 |
| 134 | 0.0 | 12.4 | 37.4# |



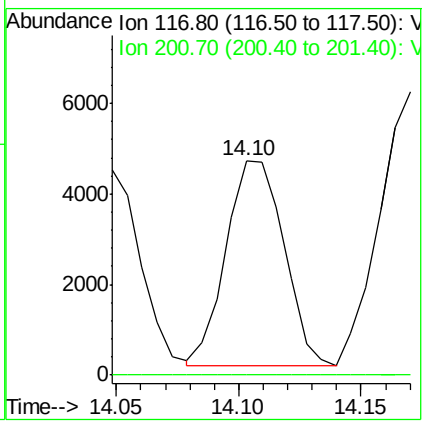


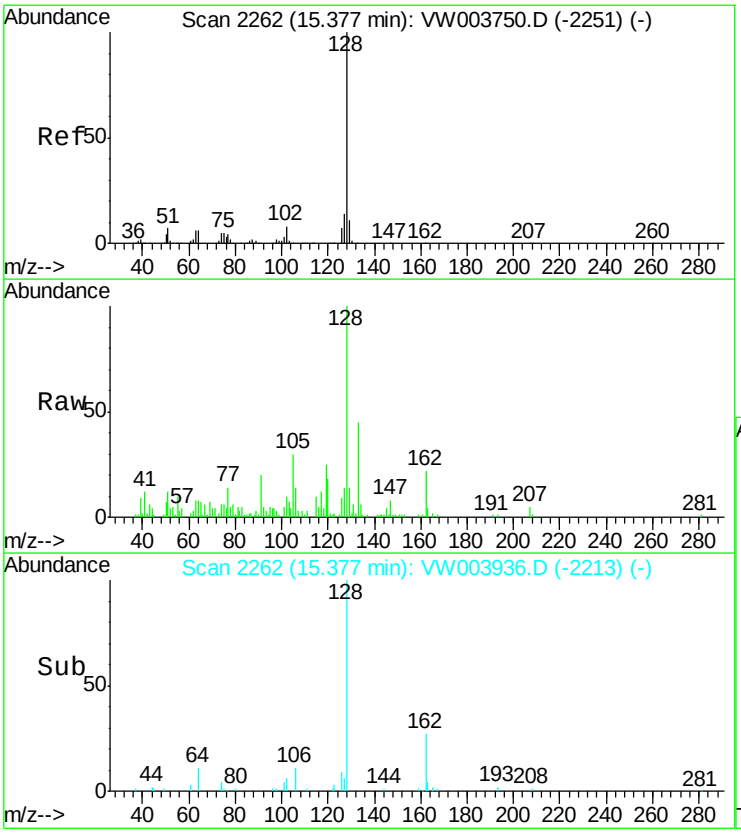

#90
Hexachloroethane
Concen: 6.599 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

**Instrument :** MSVOA_W
**ClientSampleId :**

Tgt Ion:117 Resp: 7452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 39.2 | 117.6# |




#95
Naphthalene
Concen: 4.217 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003936.D
Acq: 14 Jul 2018 00:30

Tgt Ion:128 Resp: 14571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.9 | 10.8 | 16.2 |
| 129 | 14.5 | 8.6 | 13.0# |