Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA_F/SOIL
ALS Vial : 45 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Quant Time: Oct 04 05:25:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.02 | 168 | 261808 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.75 | 114 | 428802 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.90 | 117 | 257370 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152 | 110077 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.00 | 65 | 208670 | 50.94 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.88% | | | |
| 35) Dibromofluoromethane | 4.27 | 113 | 236891 | 58.81 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 117.62% | | | |
| 50) Toluene-d8 | 7.69 | 98 | 321849 | 32.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 64.88% | | | |
| 62) 4-Bromofluorobenzene | 11.49 | 95 | 177443 | 39.17 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 78.34% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 225 | Below Cal | | 94 |
| 8) Diethyl Ether | 1.70 | 74 | 3134 | 2.665 | ug/l | 52 |
| 11) Tert butyl alcohol | 2.67 | 59 | 841 | 3.394 | ug/l # | 1 |
| 13) Acrolein | 2.07 | 56 | 665 | 3.337 | ug/l # | 1 |
| 15) Acrylonitrile | 3.03 | 53 | 1548 | 3.646 | ug/l # | 52 |
| 16) Acetone | 2.33 | 43 | 21384 | 1.812 | ug/l | 97 |
| 18) Methyl Acetate | 2.47 | 43 | 5757 | 2.034 | ug/l # | 57 |
| 20) Methylene Chloride | 2.27 | 84 | 10807 | Below Cal | | 83 |
| 25) 2-Butanone | 4.49 | 43 | 4141 | 3.904 | ug/l # | 60 |
| 29) Tetrahydrofuran | 4.23 | 42 | 1063 | Below Cal # | | 52 |
| 31) Cyclohexane | 3.85 | 56 | 5322 | 1.187 | ug/l # | 59 |
| 39) Methylcyclohexane | 5.60 | 83 | 18626 | 3.594 | ug/l | 98 |
| 49) 1,4-Dioxane | 6.84 | 88 | 61 | 4.028 | ug/l # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.40 | 43 | 6449 | 3.703 | ug/l | 92 |
| 52) Toluene | 7.76 | 92 | 14052 | 1.971 | ug/l | 98 |
| 56) Ethyl methacrylate | 8.75 | 69 | 16678 | 6.496 | ug/l # | 66 |
| 58) 2-Chloroethyl Vinyl ether | 7.76 | 63 | 2357 | 8.987 | ug/l | 100 |
| 59) 2-Hexanone | 9.62 | 43 | 4830 | 3.781 | ug/l | 83 |
| 67) Ethyl Benzene | 10.03 | 91 | 42740 | 4.252 | ug/l | 92 |
| 68) m/p-Xylenes | 10.25 | 106 | 15714 | 4.547 | ug/l | 83 |
| 69) o-Xylene | 10.81 | 106 | 20308 | 5.391 | ug/l | 90 |
| 73) Isopropylbenzene | 11.22 | 105 | 27682 | 3.194 | ug/l | 91 |
| 78) n-propylbenzene | 11.67 | 91 | 24596 | 2.341 | ug/l | 98 |
| 79) 2-Chlorotoluene | 11.79 | 91 | 6990 | 1.137 | ug/l # | 46 |
| 80) 1,3,5-Trimethylbenzene | 11.90 | 105 | 29041 | 3.944 | ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 12.27 | 105 | 52903 | 7.244 | ug/l | 97 |
| 85) sec-Butylbenzene | 12.38 | 105 | 15427 | 1.539 | ug/l # | 67 |
| 86) p-Isopropyltoluene | 12.50 | 119 | 14562 | 1.778 | ug/l | 88 |
| 89) n-Butylbenzene | 12.90 | 91 | 9168 | 1.058 | ug/l # | 57 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.70 | 75 | 351 | 1.146 | ug/l # | 30 |
| 95) Naphthalene | 14.51 | 128 | 13578 | 2.909 | ug/l # | 92 |

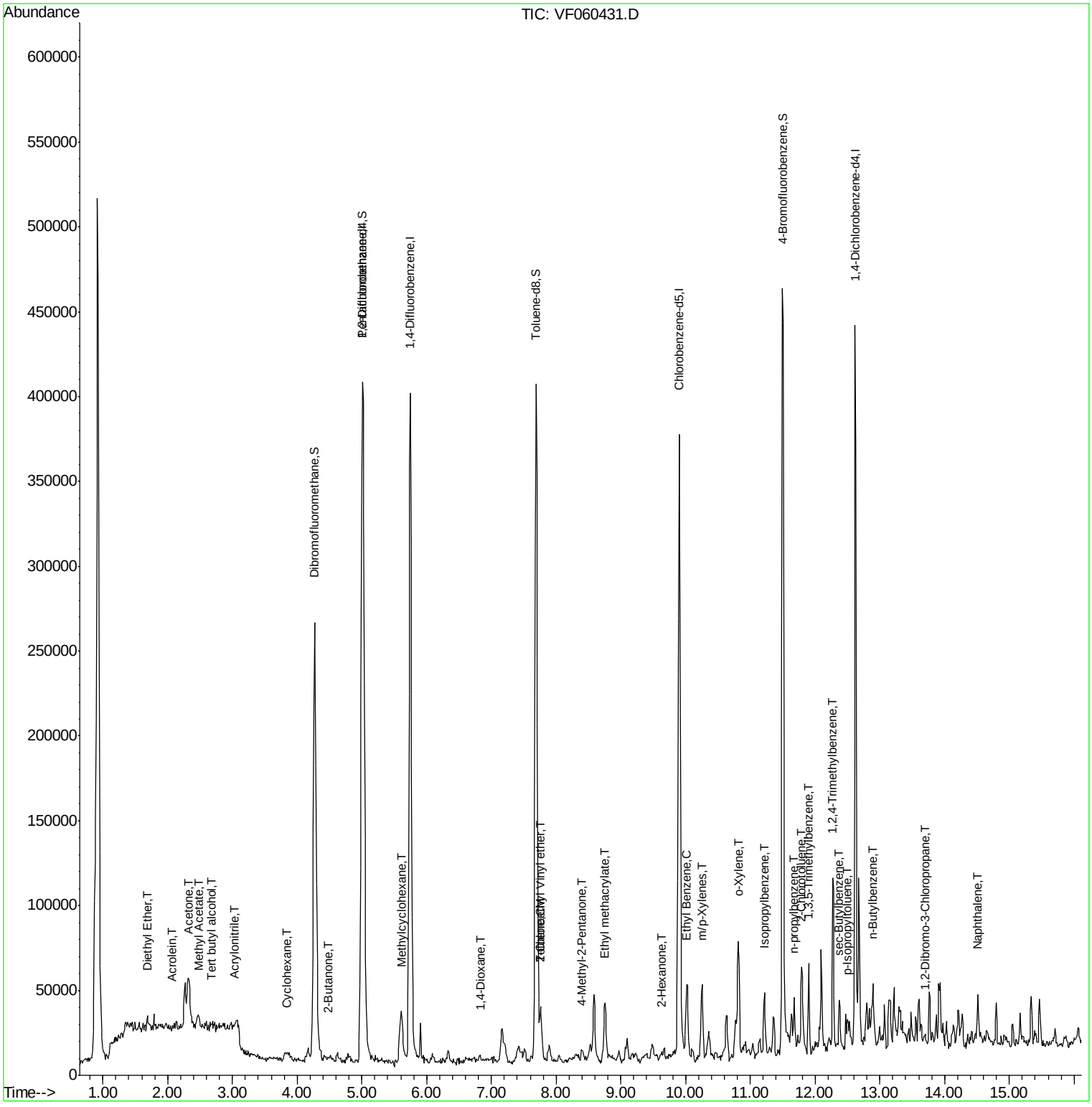
(#) = qualifier out of range (m) = manual integration (+) = signals summed

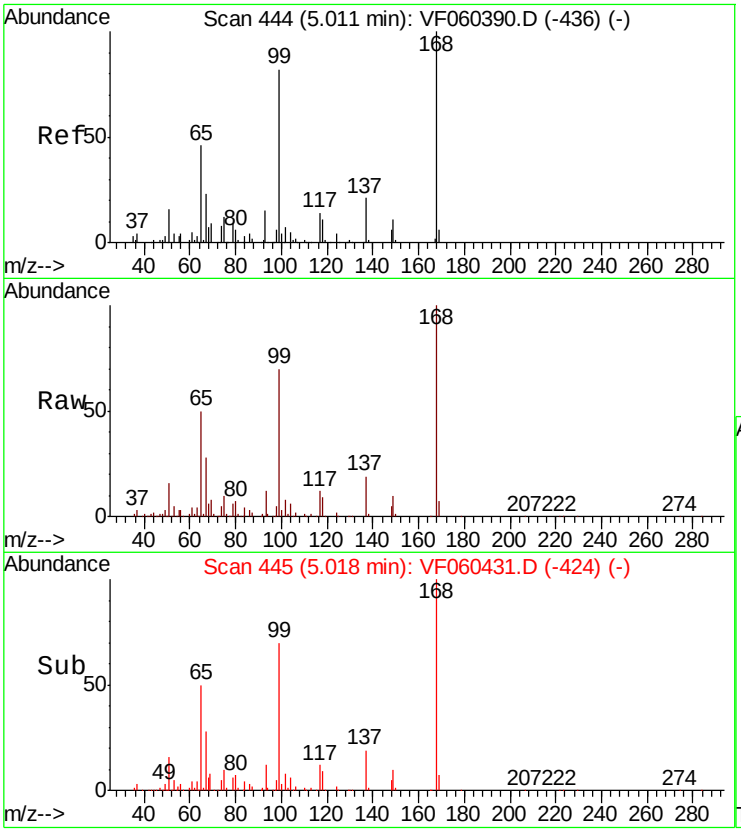
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100318\
Data File : VF060431.D
Acq On : 3 Oct 2018 22:52
Operator : VA/AP
Sample : J5198-03
Misc : 6.85/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Quant Time: Oct 04 05:25:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration



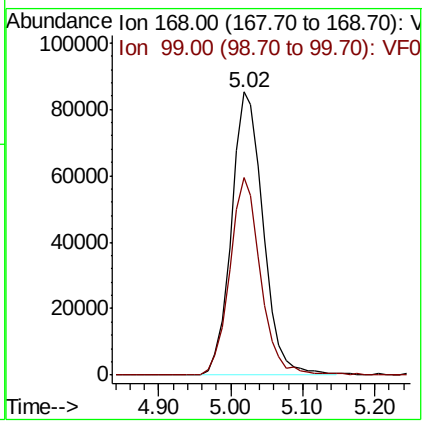


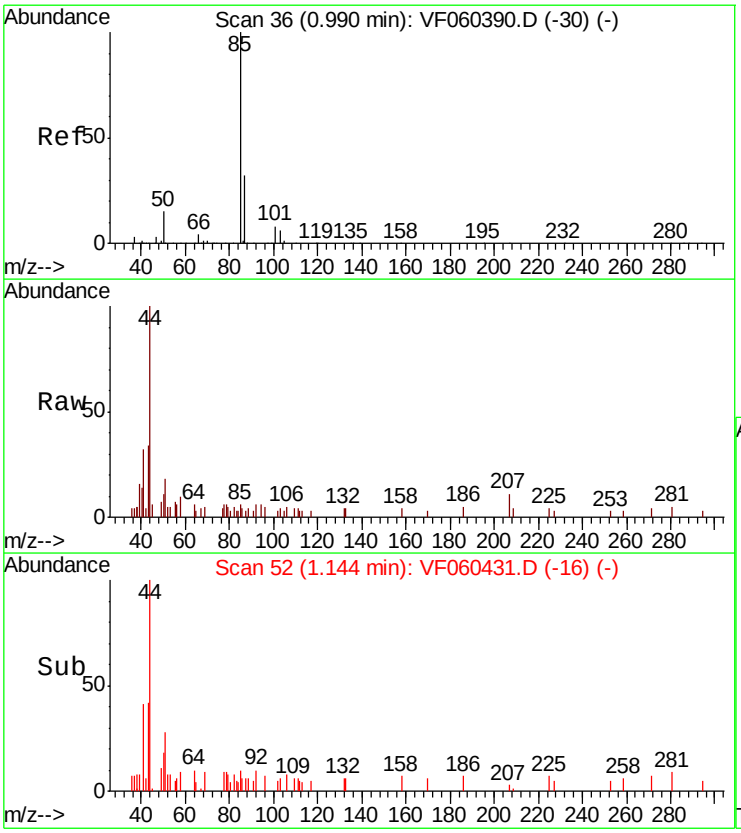

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.02 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion:168 Resp: 261808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.9 | 65.3 | 97.9 |

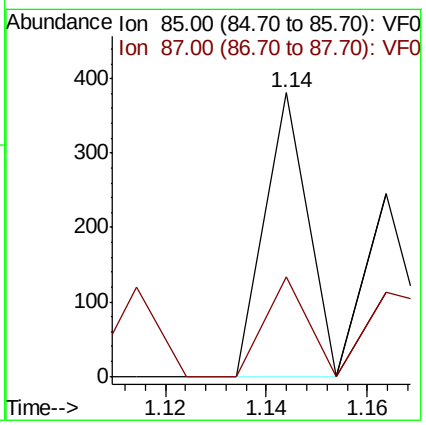


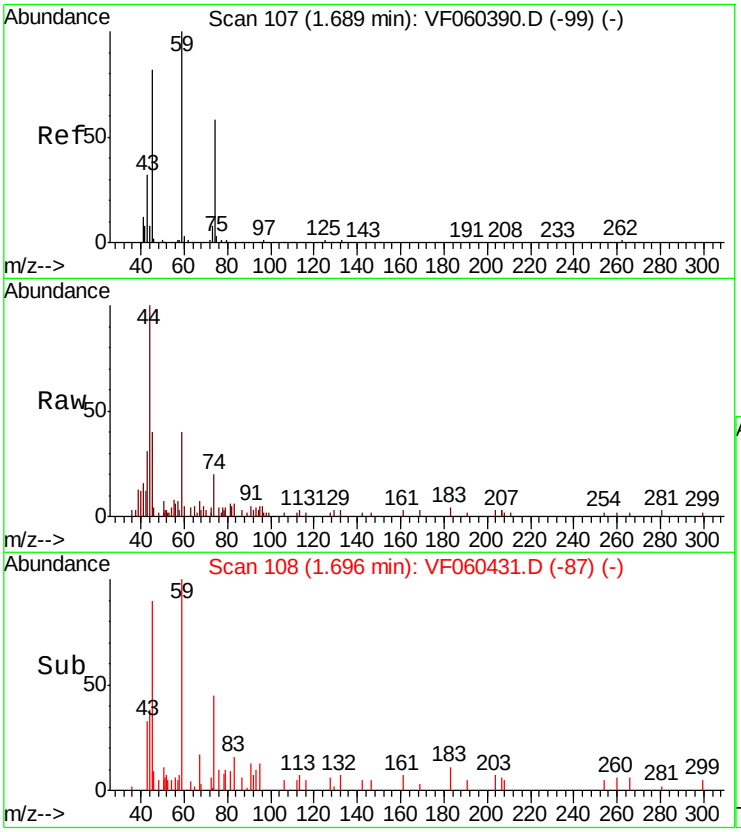




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.14 min Scan# 52
Delta R.T. 0.15 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 85 Resp: 225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.2 | 15.9 | 47.6 |



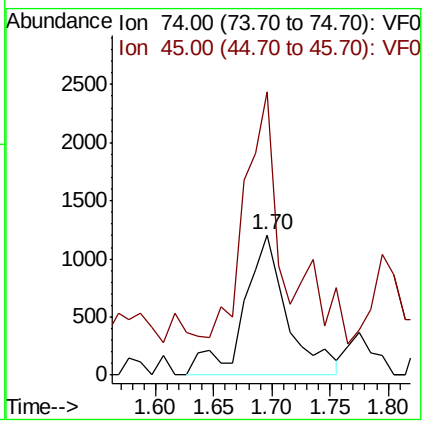


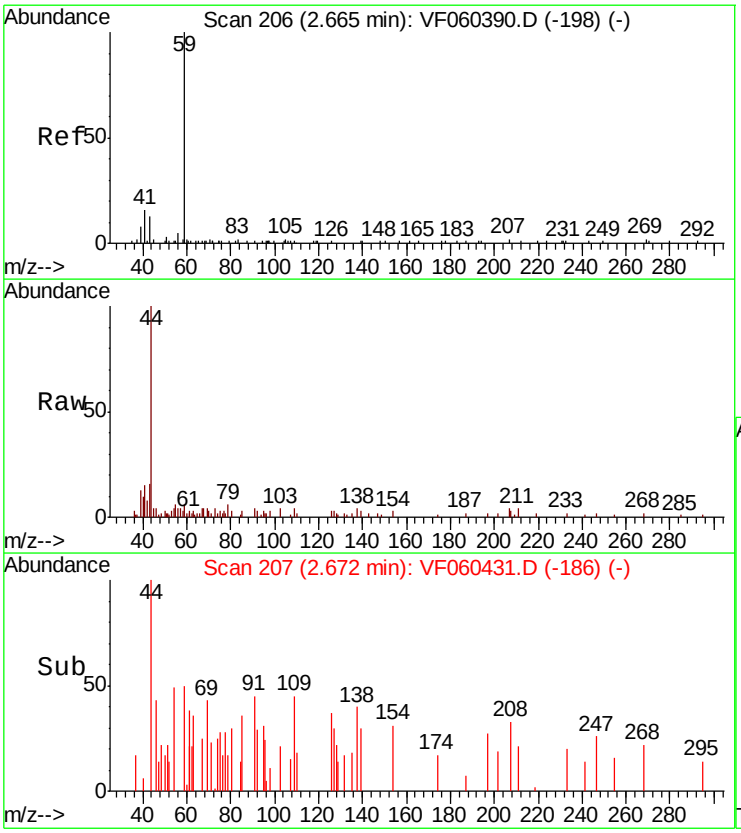

#8
Diethyl Ether
Concen: 2.665 ug/l
RT: 1.70 min Scan# 108
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion: 74 Resp: 3134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 201.4 | 71.3 | 213.8 |

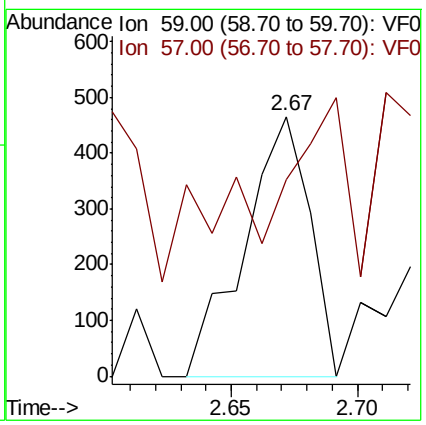


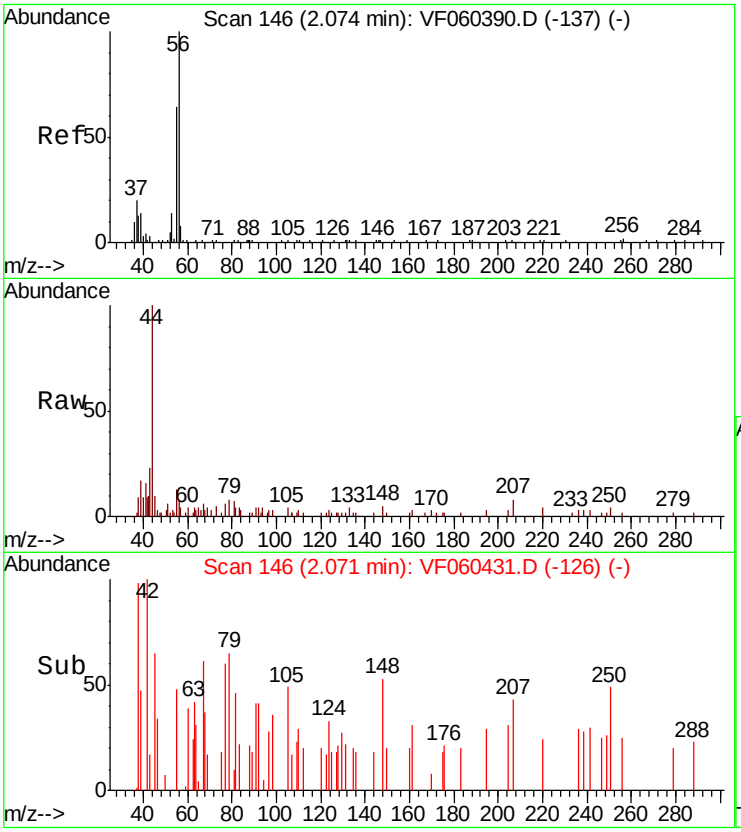




#11
Tert butyl alcohol
Concen: 3.394 ug/l
RT: 2.67 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 59 Resp: 841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 75.8 | 6.5 | 9.7# |



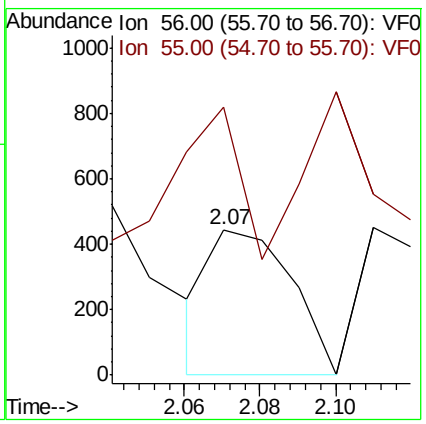


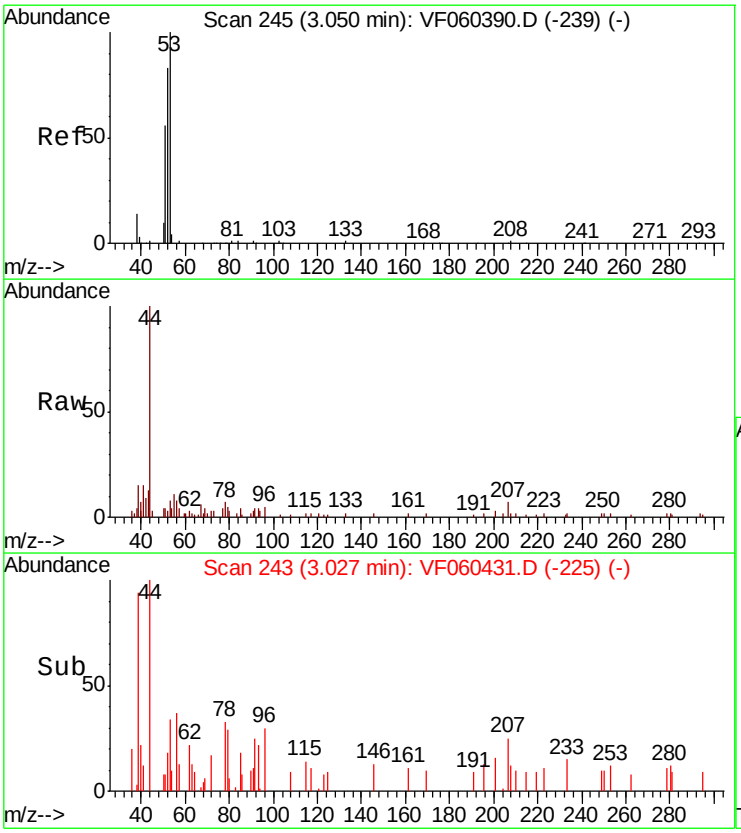

#13
Acrolein
Concen: 3.337 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion: 56 Resp: 665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 184.0 | 53.9 | 80.9# |

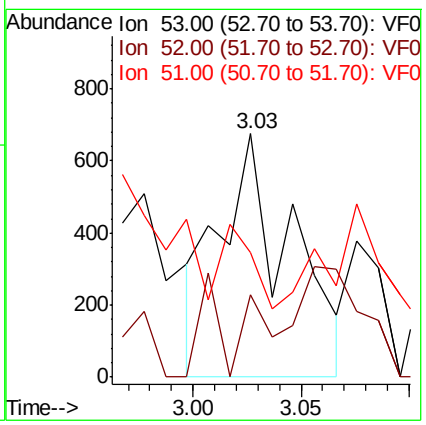


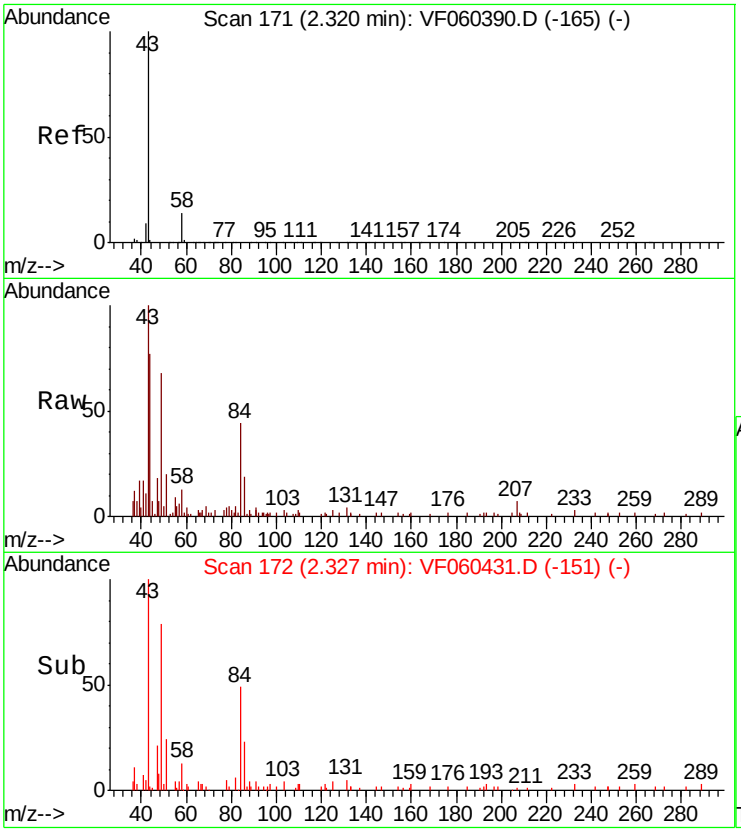




#15
Acrylonitrile
Concen: 3.646 ug/l
RT: 3.03 min Scan# 243
Delta R.T. -0.02 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 53 Resp: 1548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 34.0 | 66.0 | 99.0# |
| 51 | 85.4 | 45.6 | 68.4# |



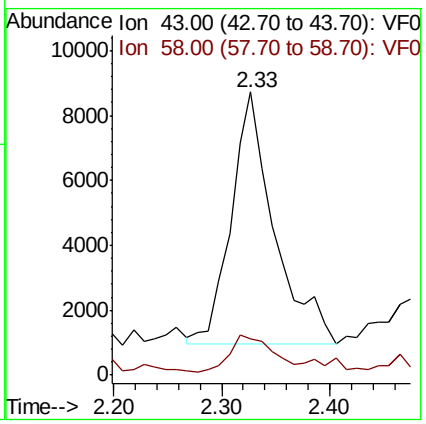


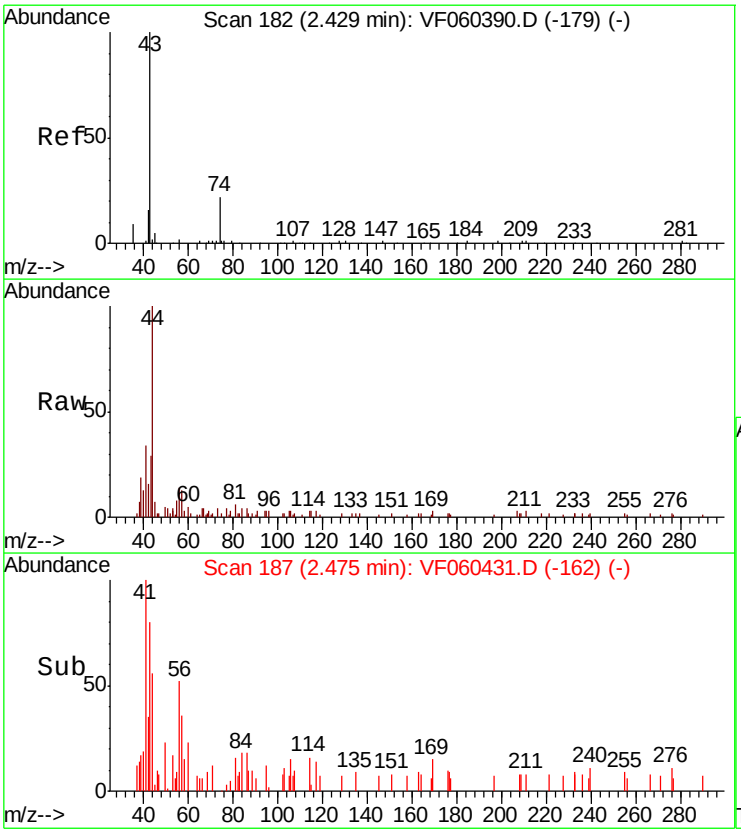

#16
Acetone
Concen: 1.812 ug/l
RT: 2.33 min Scan# 172
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 43 Resp: 21384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 12.9 | 11.2 | 16.8 |

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

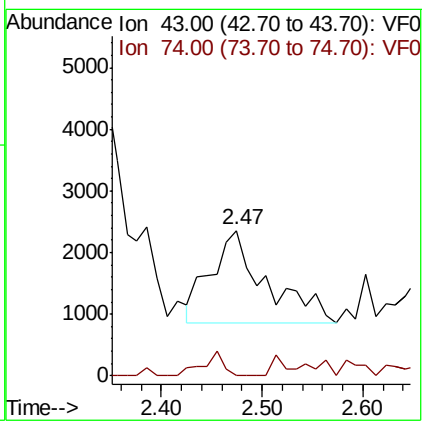


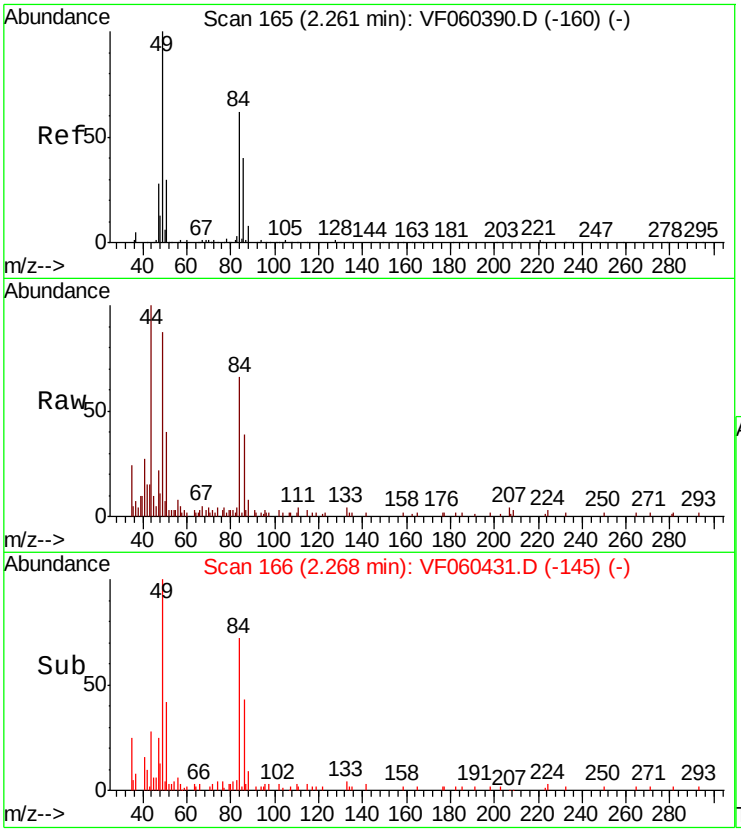




#18
Methyl Acetate
Concen: 2.034 ug/l
RT: 2.47 min Scan# 187
Delta R.T. 0.05 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 43 Resp: 5757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 15.8 | 23.8# |



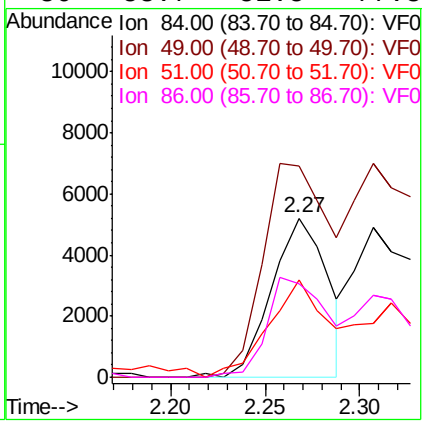


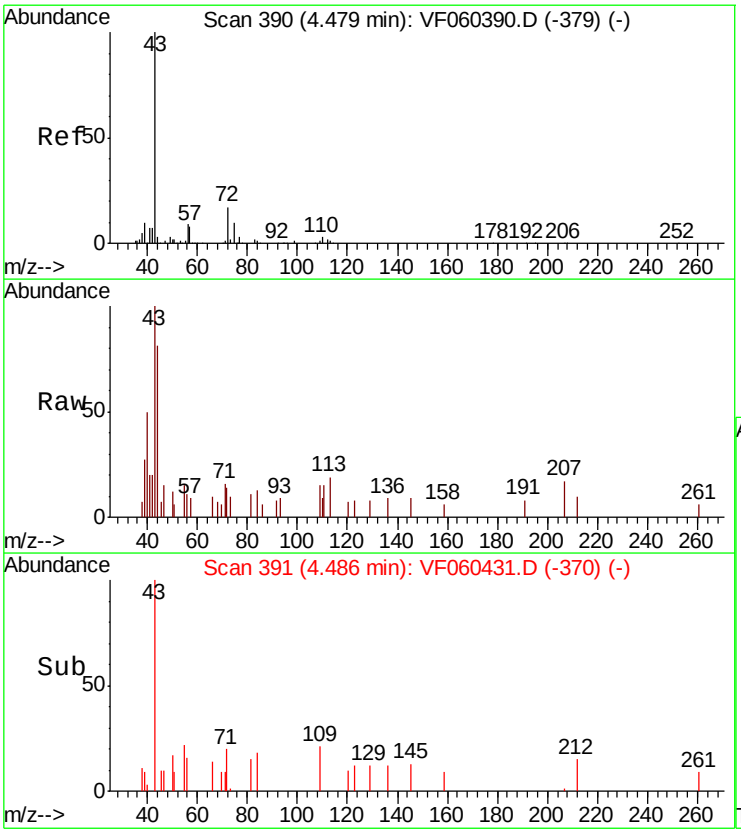

#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion: 84 Resp: 10807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 132.7 | 130.2 | 195.2 |
| 51 | 61.0 | 41.0 | 61.6 |
| 86 | 58.7 | 51.5 | 77.3 |

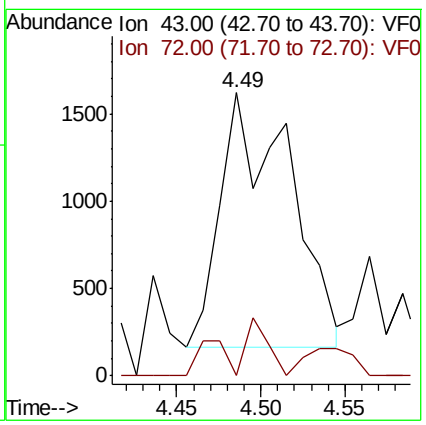


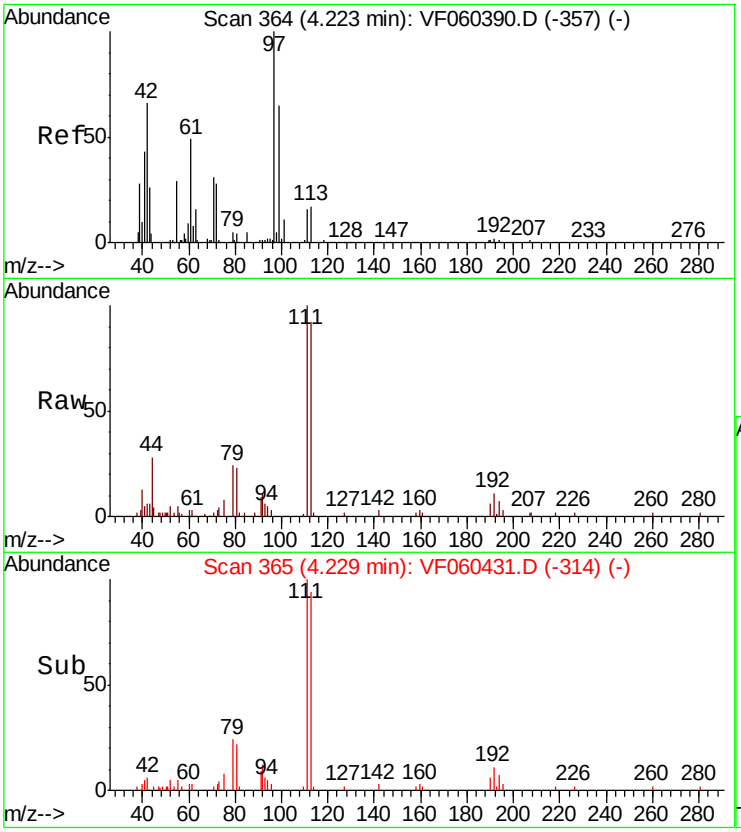




#25
2-Butanone
Concen: 3.904 ug/l
RT: 4.49 min Scan# 391
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 43 Resp: 4141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 14.1 | 21.1# |



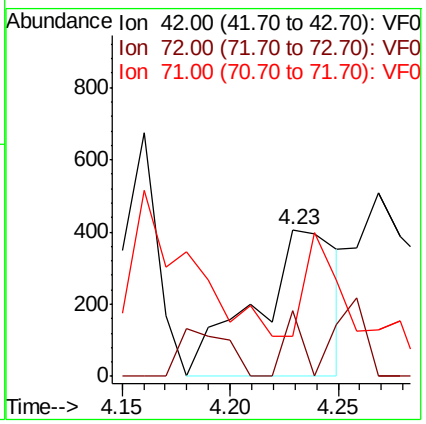


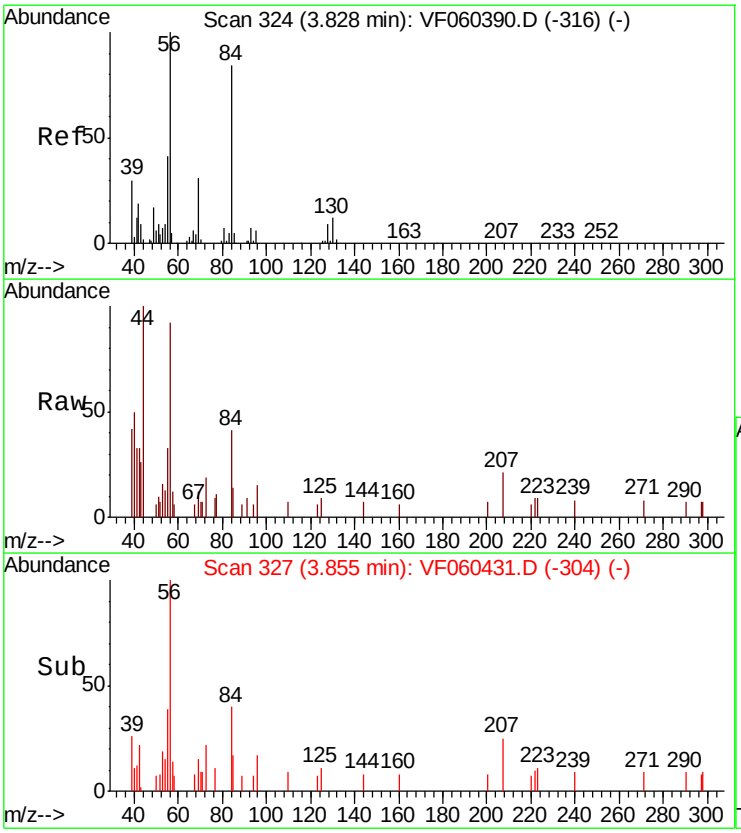

#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.23 min Scan# 365
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion: 42 Resp: 1063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 33.6 | 50.4# |
| 71 | 59.5 | 32.7 | 49.1# |

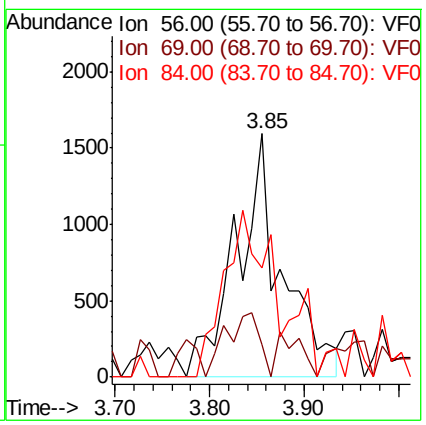


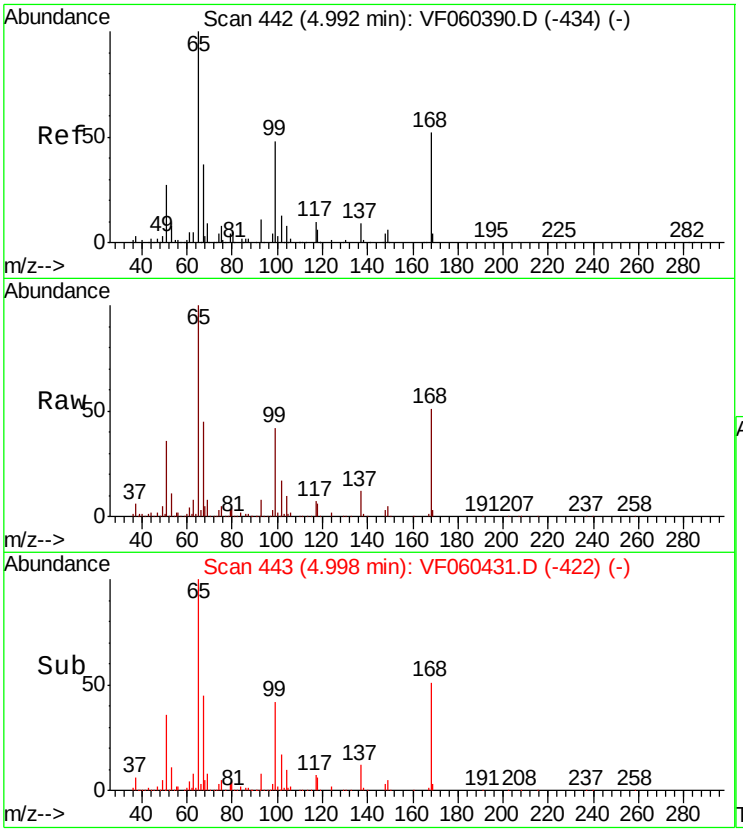




#31
Cyclohexane
Concen: 1.187 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.03 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 56 Resp: 5322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 13.5 | 25.5 | 38.3# |
| 84 | 44.8 | 67.4 | 101.0# |



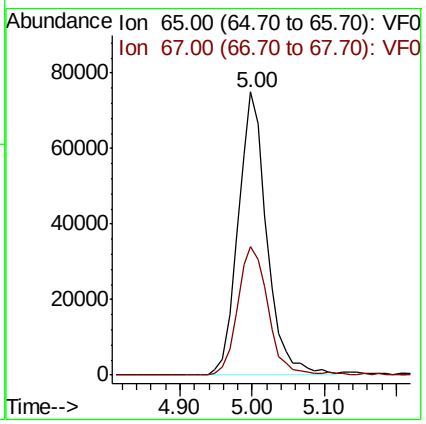


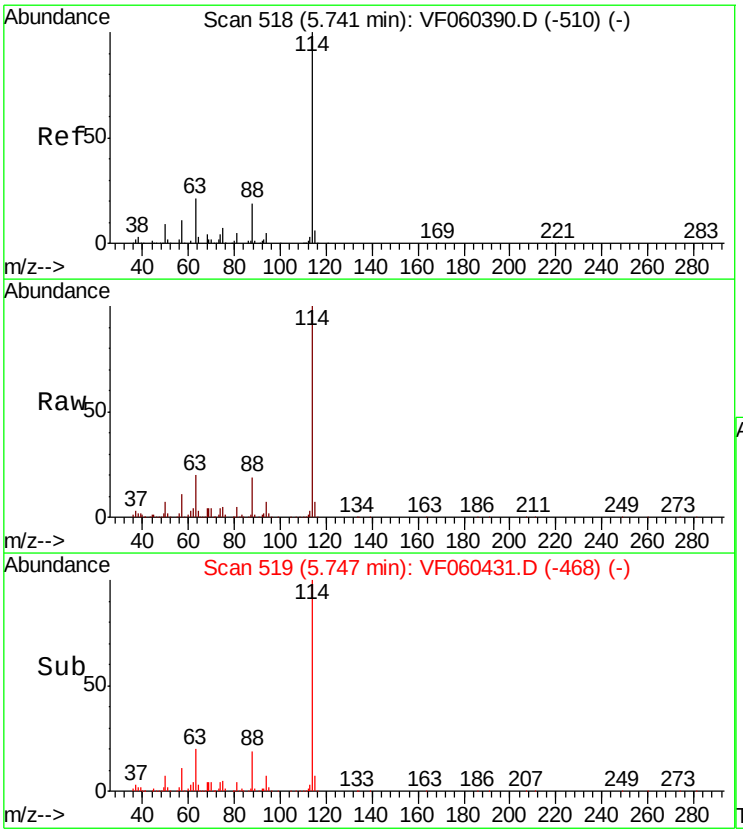

#33
1,2-Dichloroethane-d4
Concen: 50.936 ug/l
RT: 5.00 min Scan# 443
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion: 65 Resp: 208670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 45.3 | 0.0 | 89.4 |

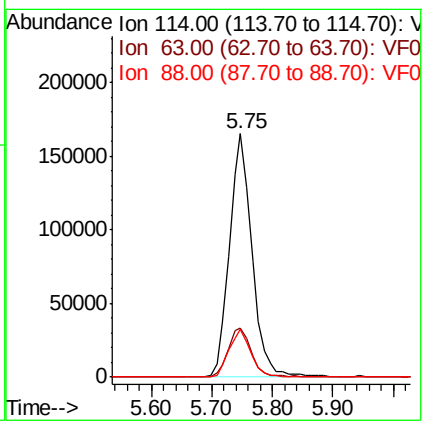


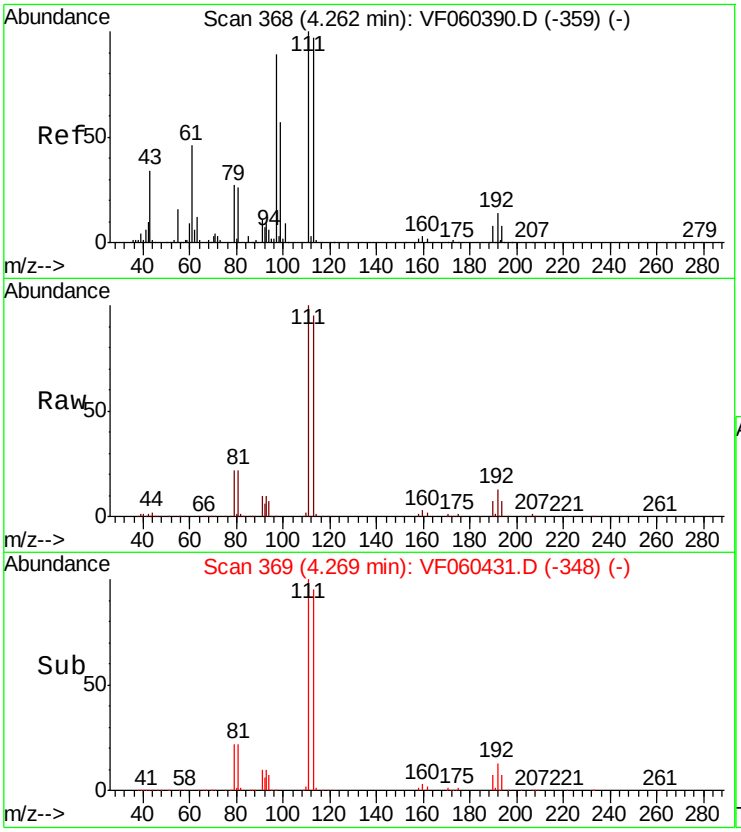




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion:114 Resp: 428802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 42.2 |
| 88 | 19.5 | 0.0 | 38.8 |



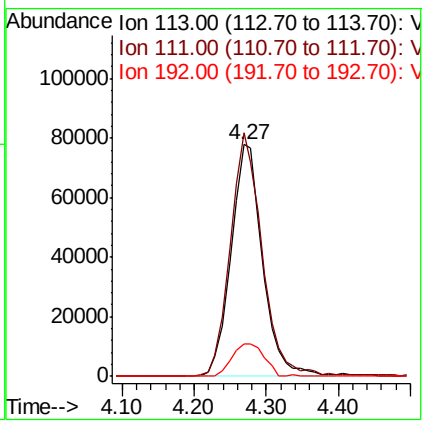


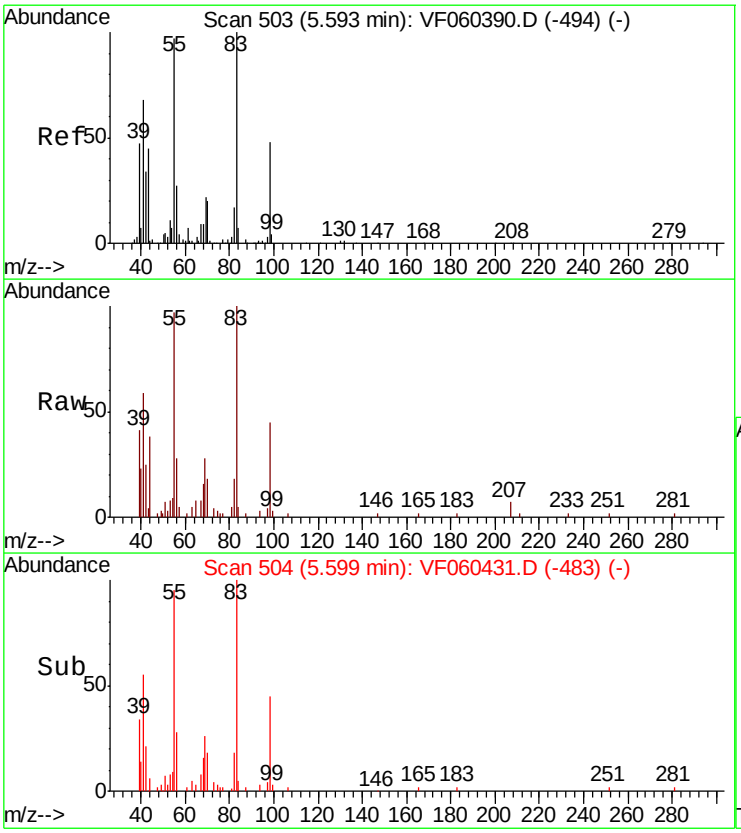

#35
Dibromofluoromethane
Concen: 58.806 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion:113 Resp: 236891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.1 | 82.3 | 123.5 |
| 192 | 14.1 | 11.8 | 17.6 |

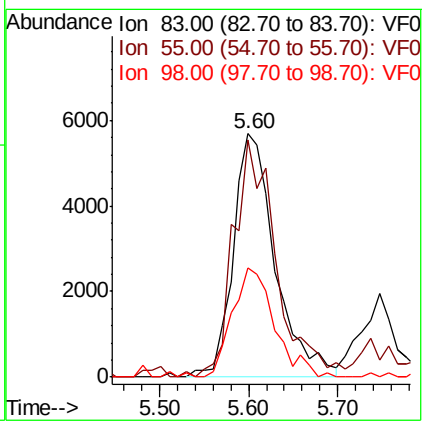


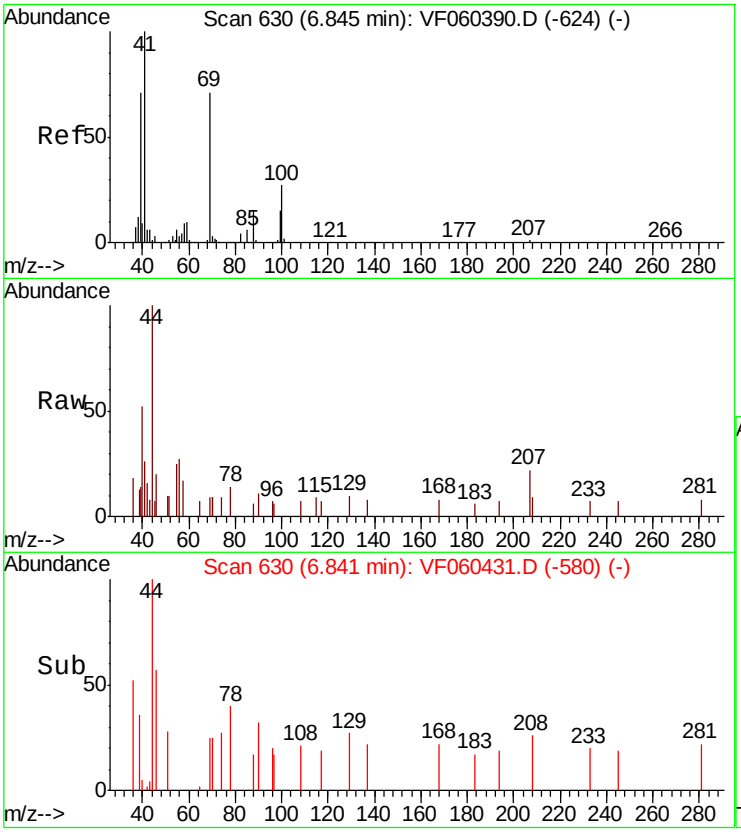




#39
Methylcyclohexane
Concen: 3.594 ug/l
RT: 5.60 min Scan# 504
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 83 Resp: 18626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 97.3 | 77.5 | 116.3 |
| 98 | 45.0 | 38.7 | 58.1 |



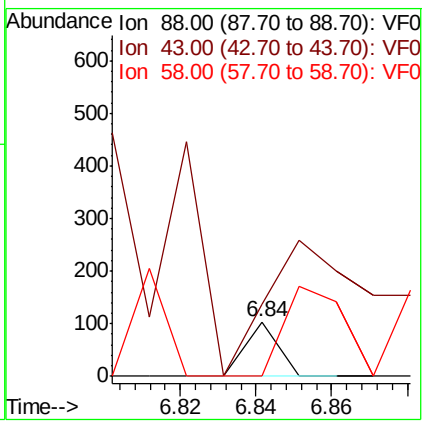


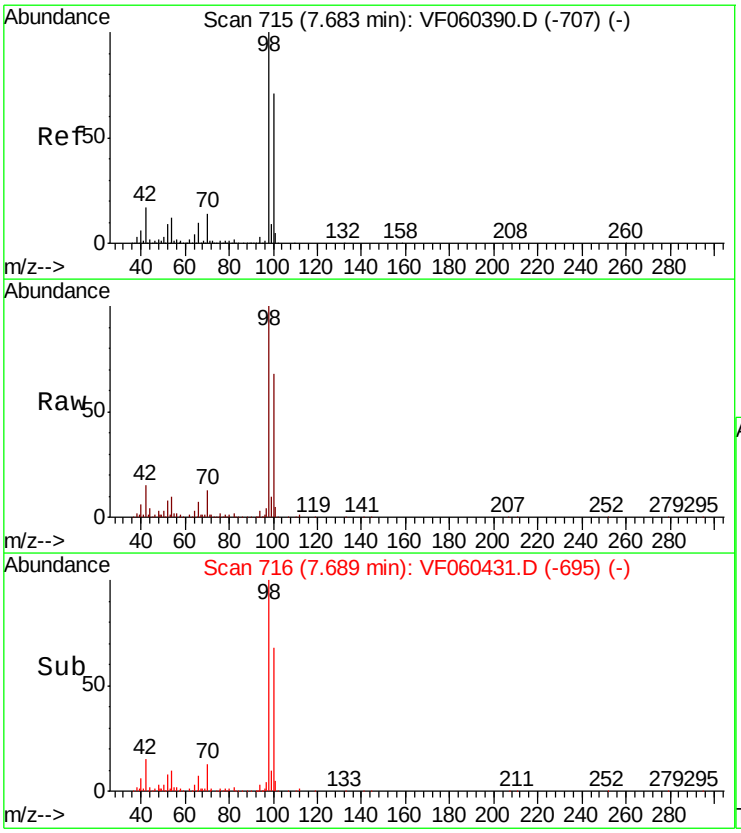

#49
1,4-Dioxane
Concen: 4.028 ug/l
RT: 6.84 min Scan# 630
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion: 88 Resp: 61

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 133.0 | 38.3 | 57.5# |
| 58 | 0.0 | 47.4 | 71.2# |

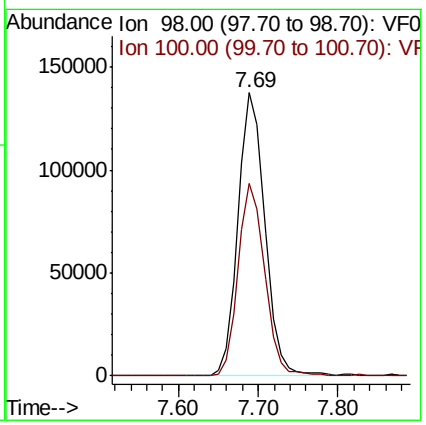


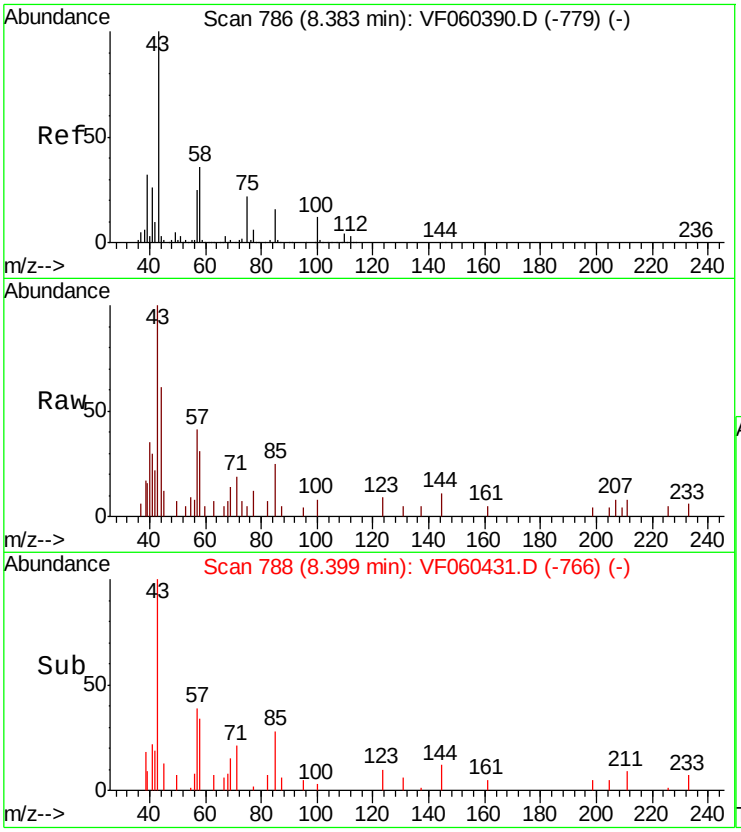




#50
Toluene-d8
Concen: 32.441 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 98 Resp: 321849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.2 | 56.5 | 84.7 |



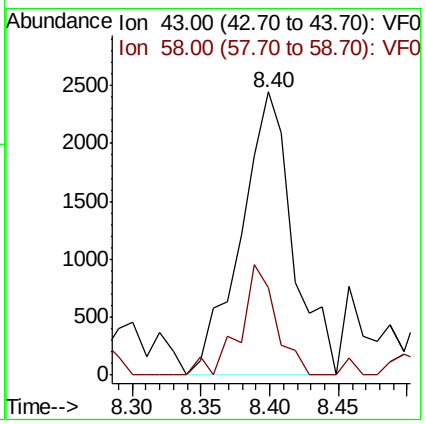


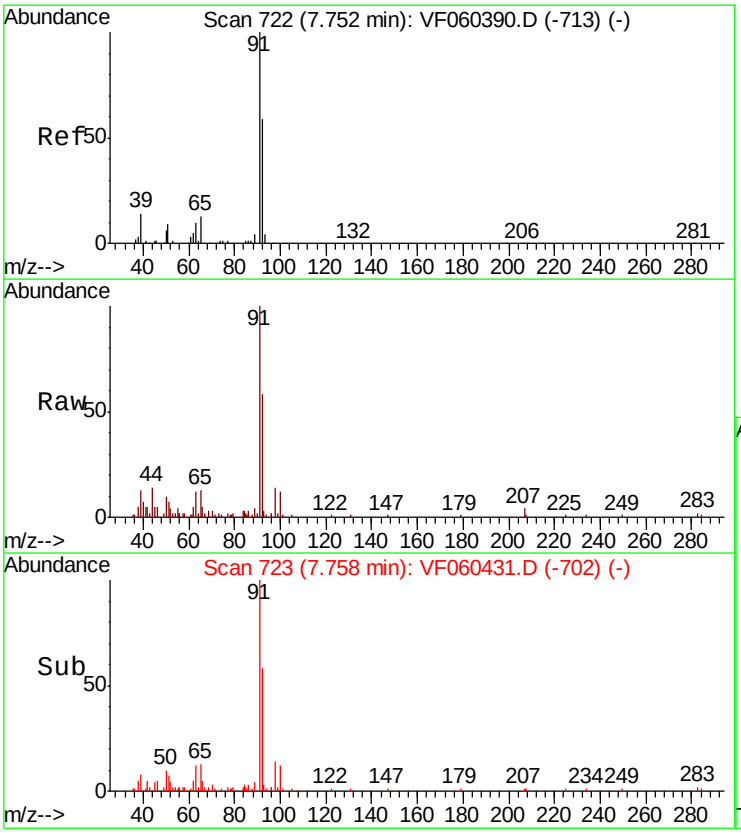

#51
4-Methyl-2-Pentanone
Concen: 3.703 ug/l
RT: 8.40 min Scan# 788
Delta R.T. 0.02 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion: 43 Resp: 6449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.2 | 28.5 | 42.7 |

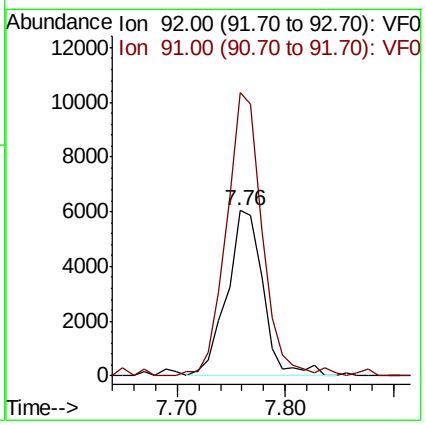


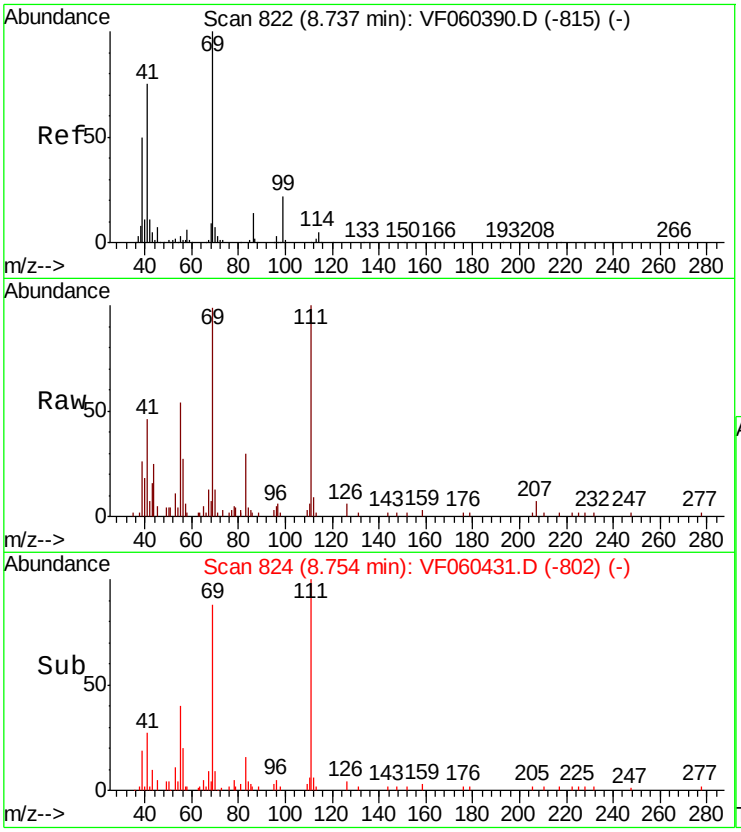




#52
Toluene
Concen: 1.971 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 92 Resp: 14052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 135.4 | 203.0 |



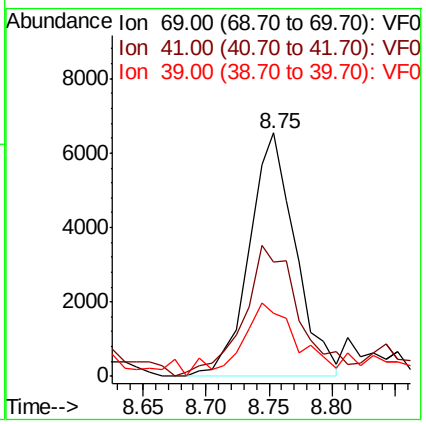


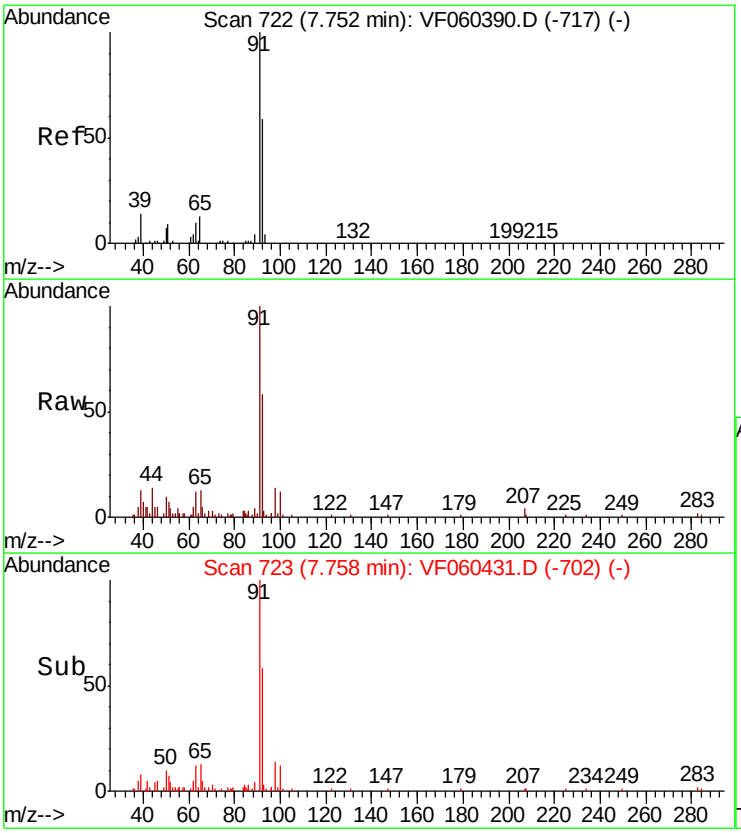

#56
Ethyl methacrylate
Concen: 6.496 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.02 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion: 69 Resp: 16678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 46.8 | 60.2 | 90.4# |
| 39 | 25.8 | 40.2 | 60.2# |

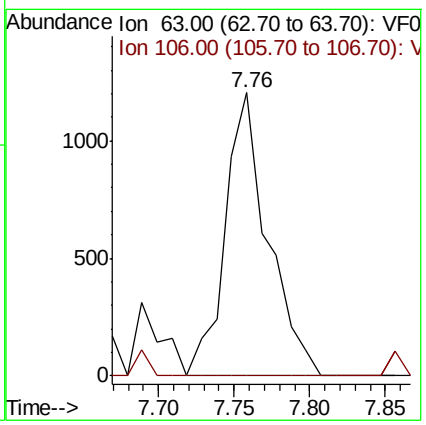


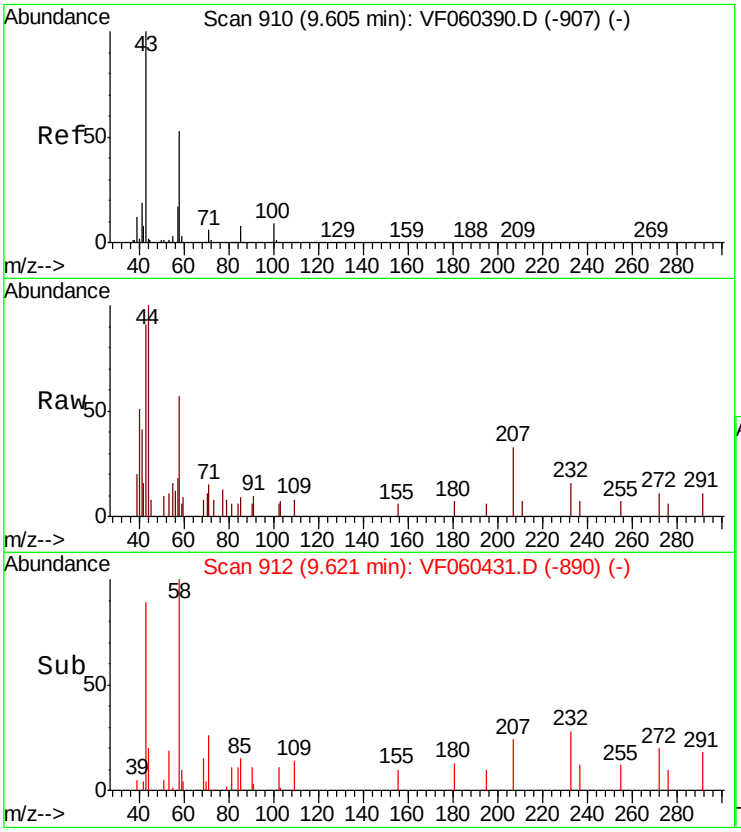




#58
2-Chloroethyl Vinyl ether
Concen: 8.987 ug/l
RT: 7.76 min Scan# 723
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 63 Resp: 2357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 0.0 | 0.0 |



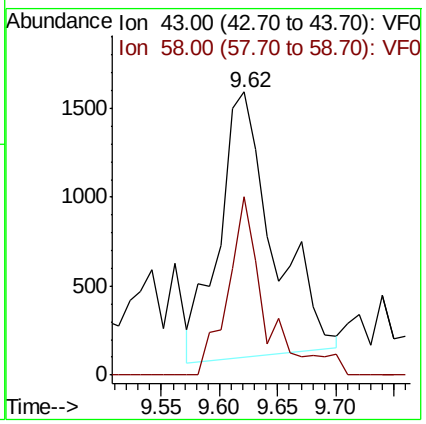


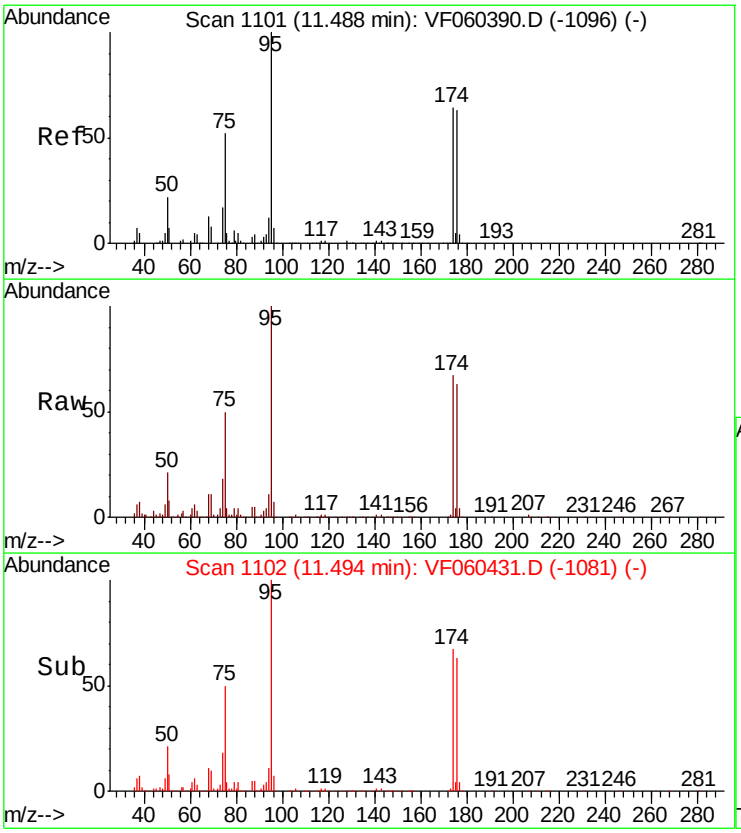

#59
2-Hexanone
Concen: 3.781 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.02 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion: 43 Resp: 4830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 63.1 | 25.6 | 76.6 |

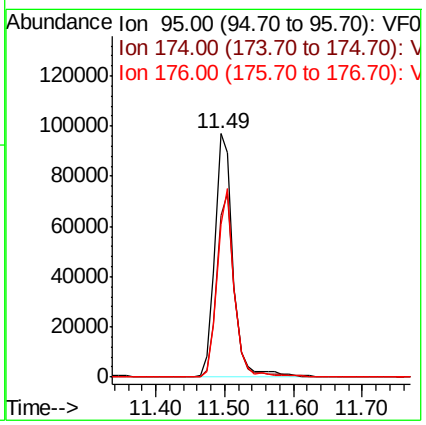


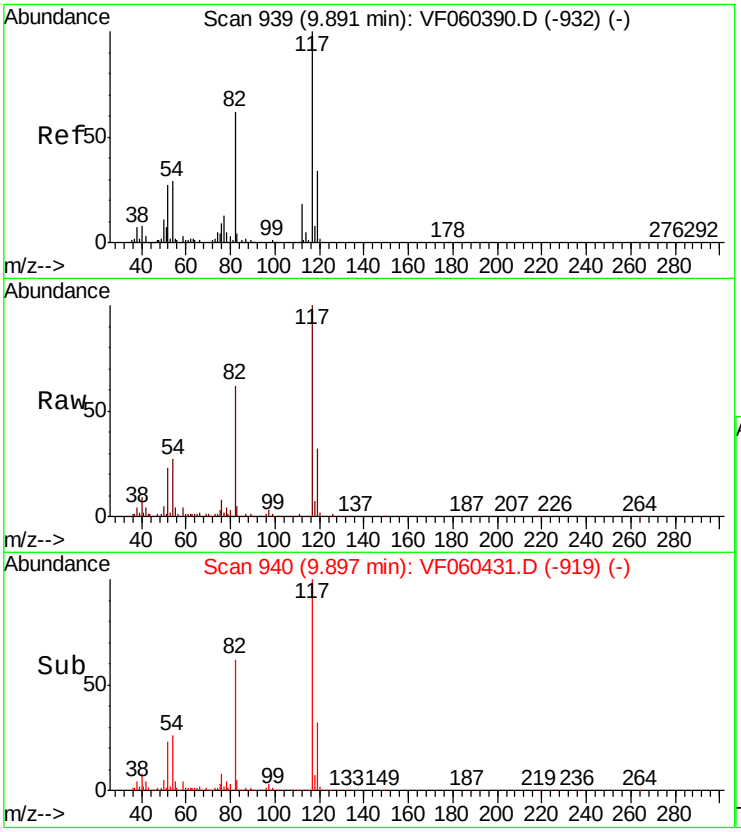




#62
4-Bromofluorobenzene
Concen: 39.172 ug/l
RT: 11.49 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 95 Resp: 177443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.6 | 0.0 | 129.0 |
| 176 | 62.6 | 0.0 | 125.6 |



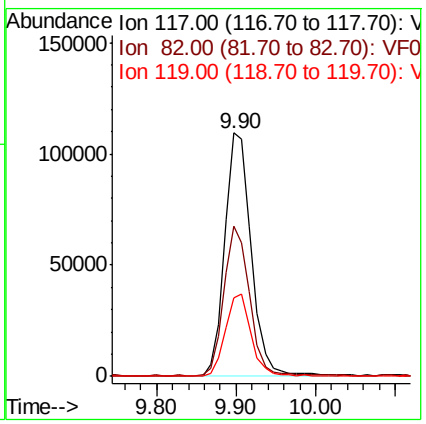


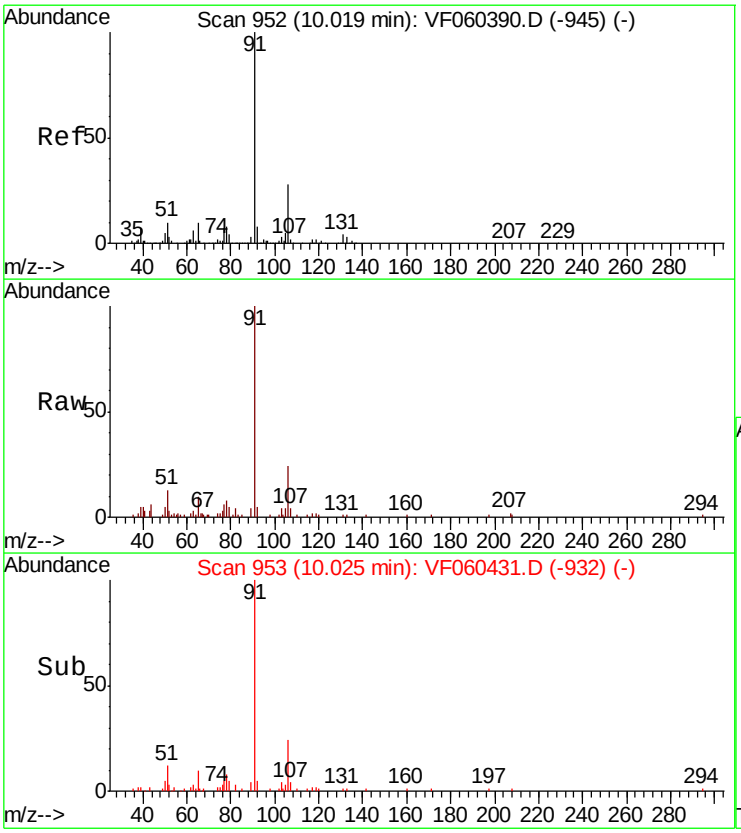

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion:117 Resp: 257370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 61.9 | 49.5 | 74.3 |
| 119 | 32.4 | 27.0 | 40.6 |

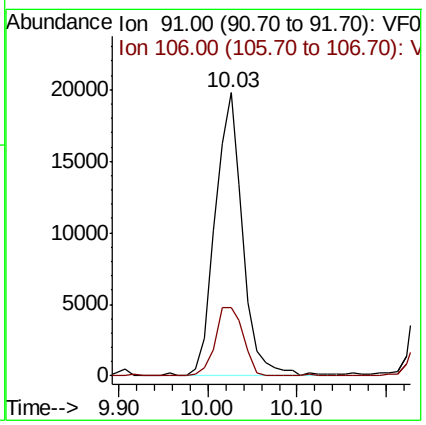


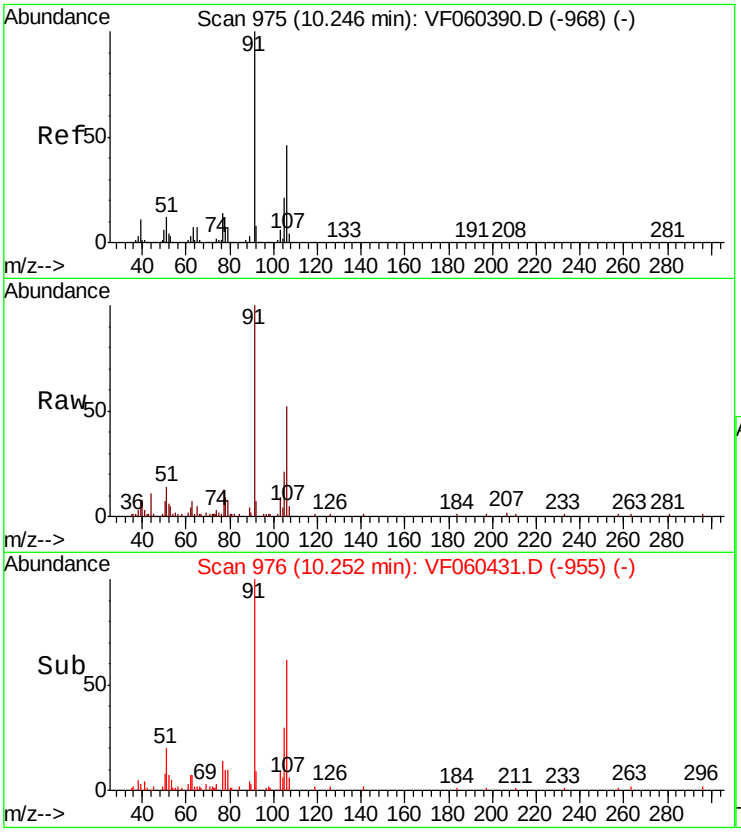




#67
Ethyl Benzene
Concen: 4.252 ug/l
RT: 10.03 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 91 Resp: 42740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.0 | 22.5 | 33.7 |



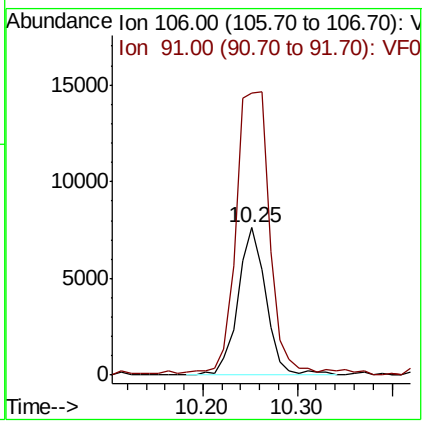


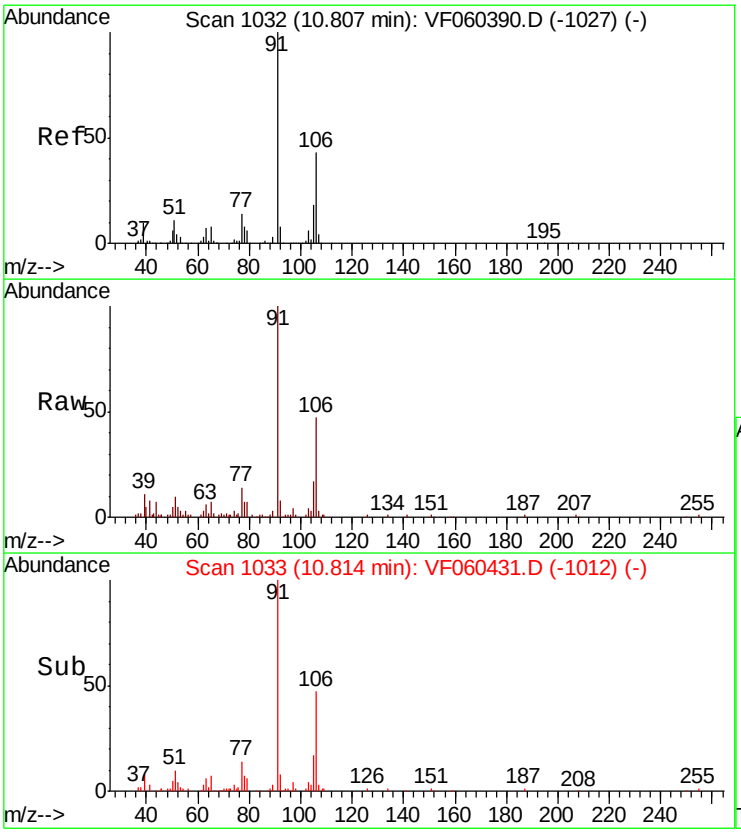

#68
m/p-Xylenes
Concen: 4.547 ug/l
RT: 10.25 min Scan# 976
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion:106 Resp: 15714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 191.8 | 175.0 | 262.6 |

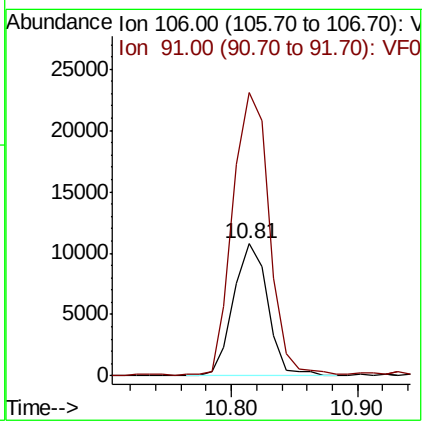


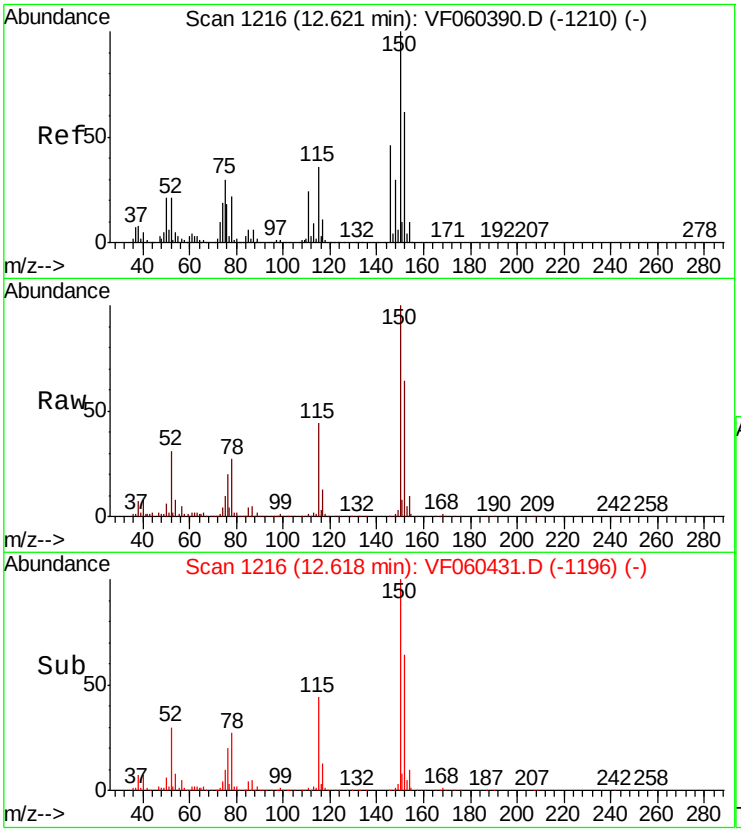




#69
o-Xylene
Concen: 5.391 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion:106 Resp: 20308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.2 | 115.1 | 345.2 |



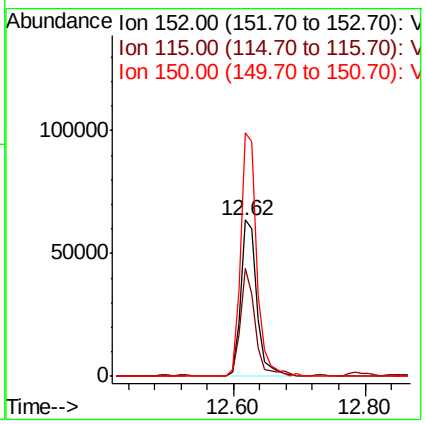


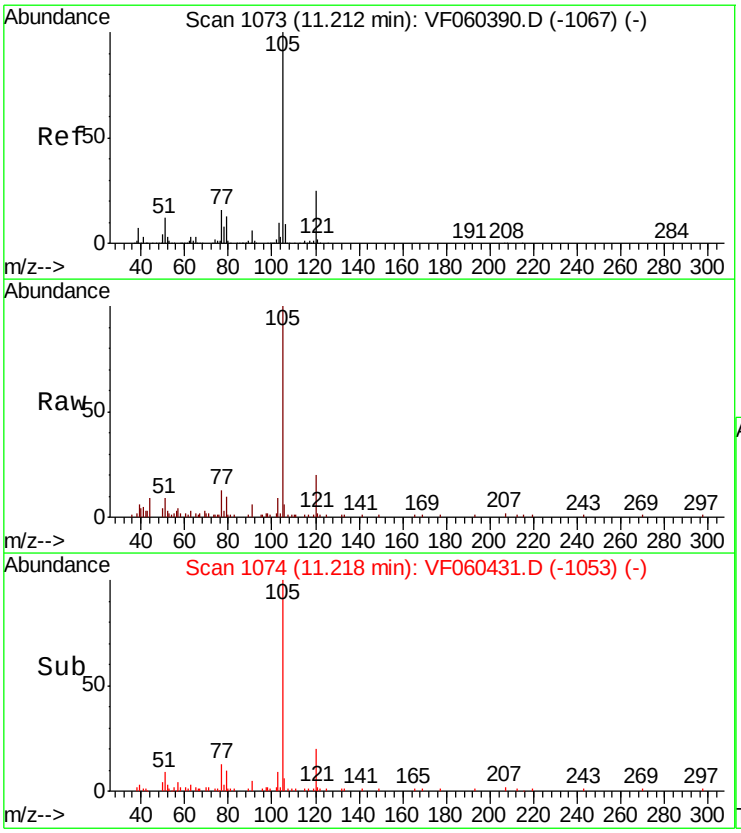

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion:152 Resp: 110077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 69.2 | 28.6 | 85.8 |
| 150 | 156.0 | 0.0 | 324.6 |

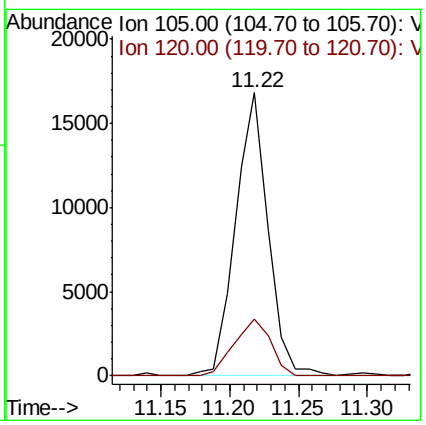


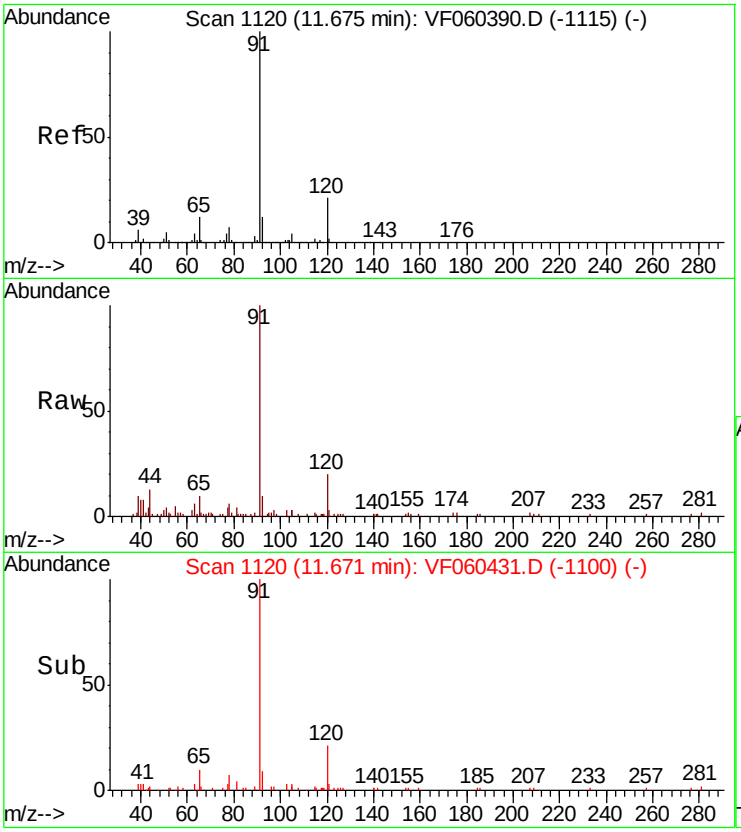




#73
Isopropylbenzene
Concen: 3.194 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion:105 Resp: 27682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 20.2 | 12.3 | 36.9 |



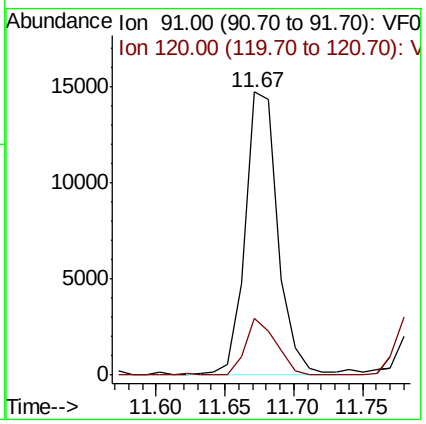


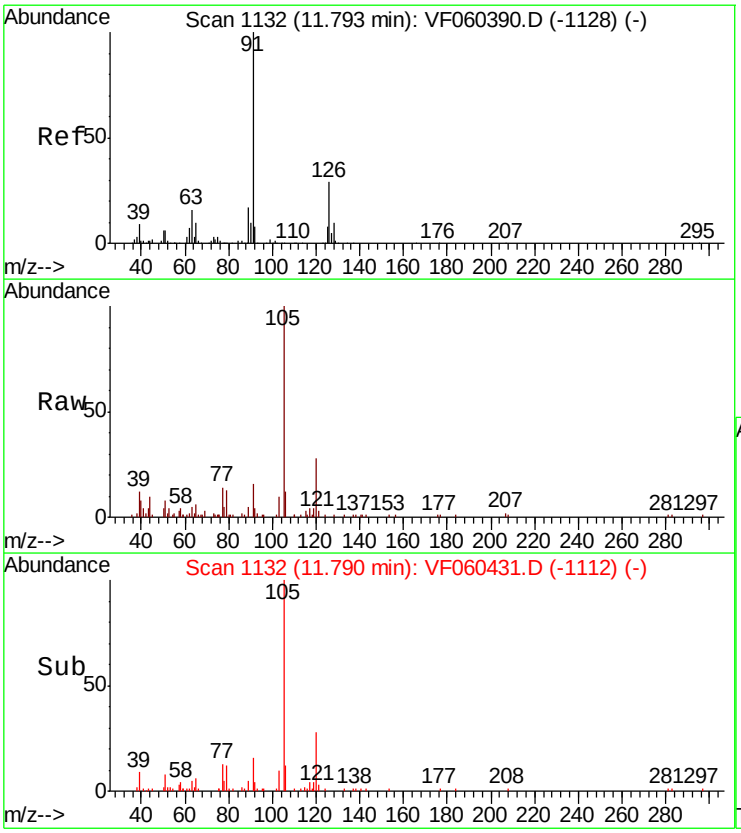

#78
n-propylbenzene
Concen: 2.341 ug/l
RT: 11.67 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :** MSVOA_F
**ClientSampleId :** CL-01-100218-B

Tgt Ion: 91 Resp: 24596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.1 | 10.5 | 31.6 |

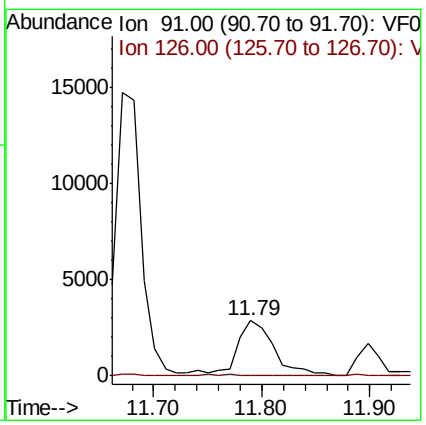


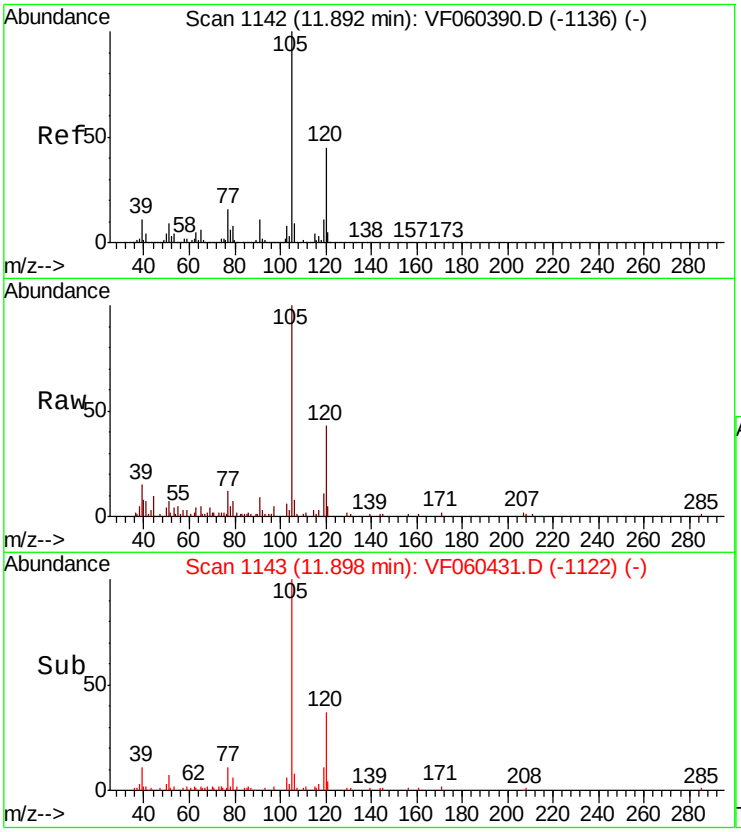




#79
2-Chlorotoluene
Concen: 1.137 ug/l
RT: 11.79 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 91 Resp: 6990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 14.4 | 43.4# |



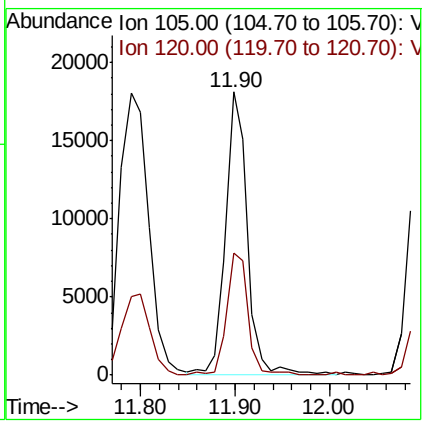


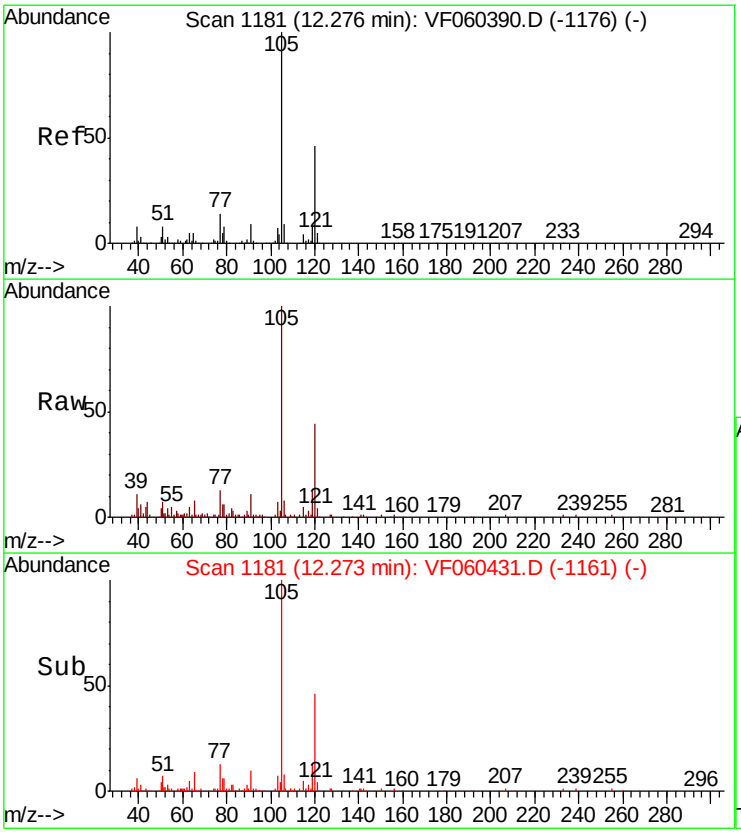

#80
1,3,5-Trimethylbenzene
Concen: 3.944 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion:105 Resp: 29041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 22.3 | 66.9 |

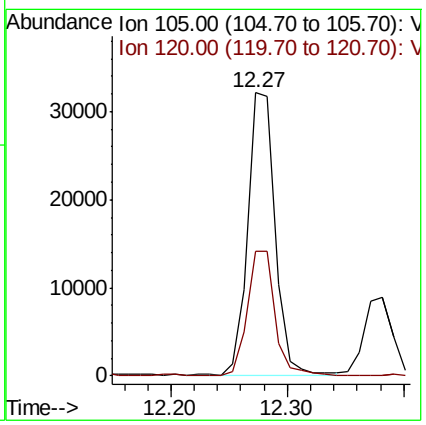


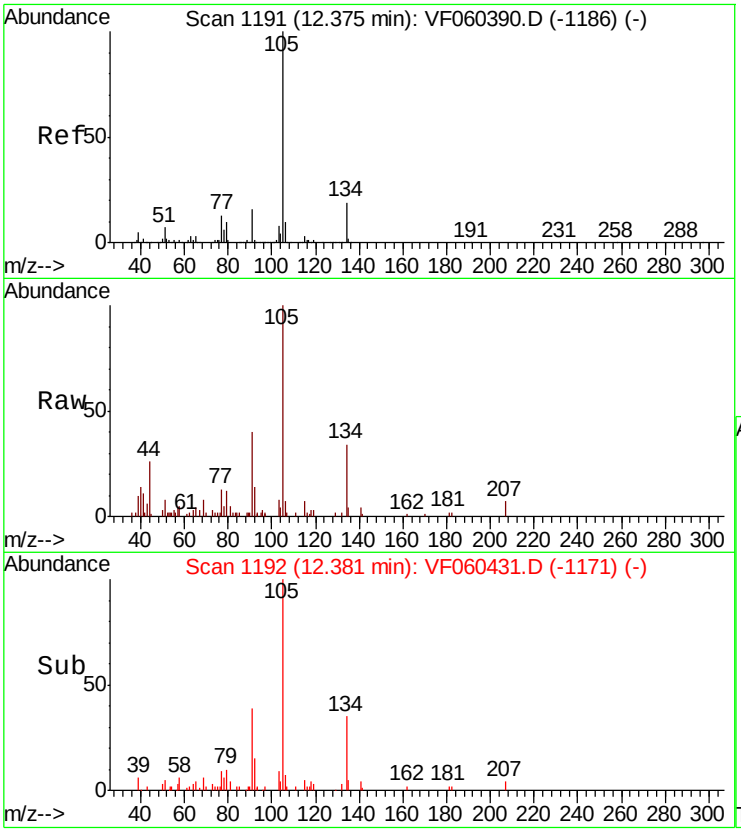




#84
1,2,4-Trimethylbenzene
Concen: 7.244 ug/l
RT: 12.27 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion:105 Resp: 52903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.9 | 23.1 | 69.2 |



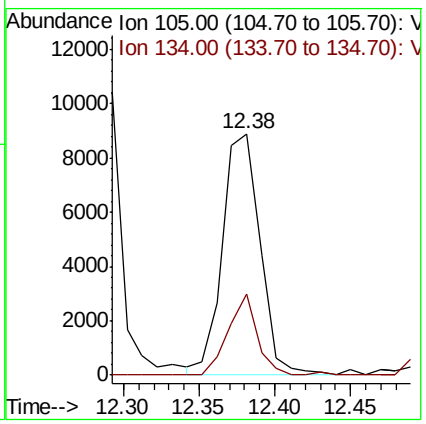


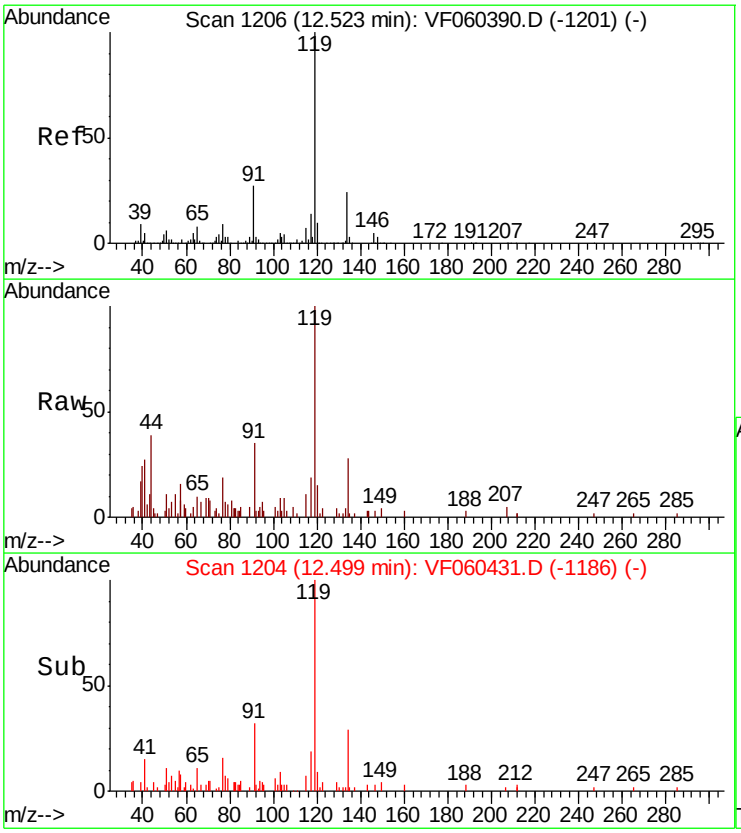

#85
sec-Butylbenzene
Concen: 1.539 ug/l
RT: 12.38 min Scan# 1192
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion:105 Resp: 15427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 33.6 | 9.4 | 28.3# |

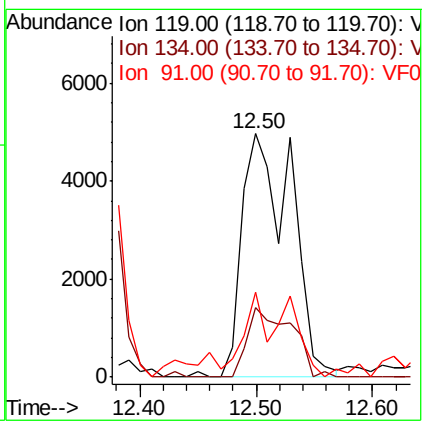


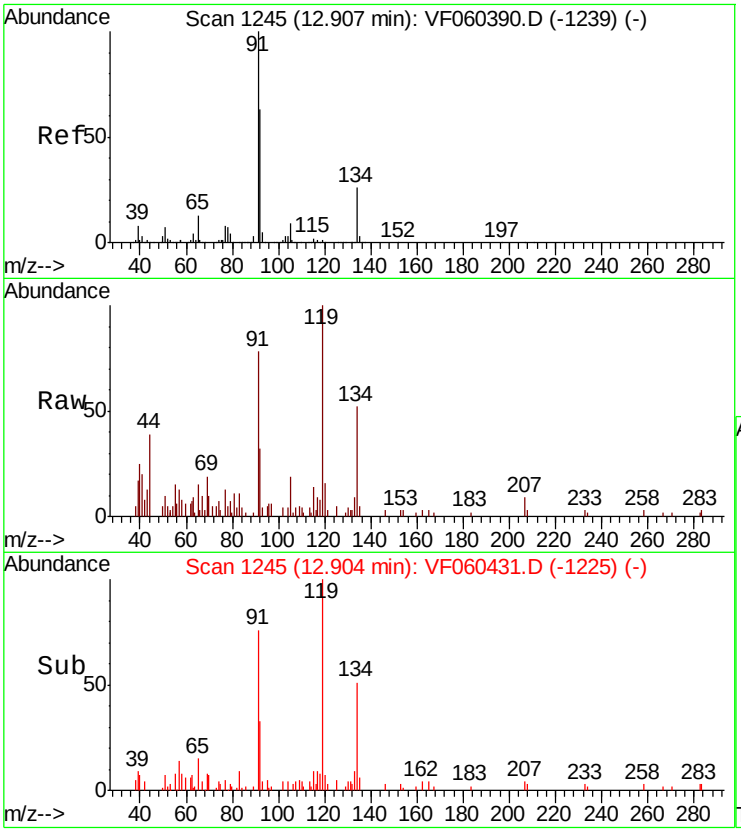




#86
p-Isopropyltoluene
Concen: 1.778 ug/l
RT: 12.50 min Scan# 1204
Delta R.T. -0.02 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion:119 Resp: 14562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 28.5 | 12.3 | 36.8 |
| 91 | 34.7 | 13.5 | 40.4 |



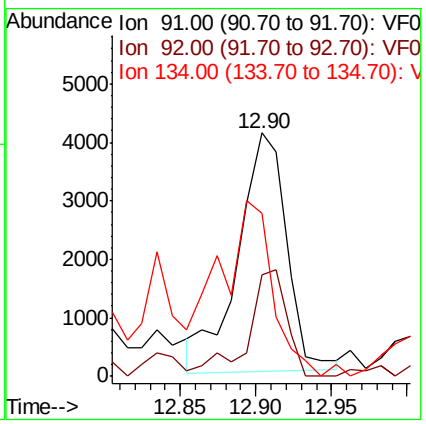


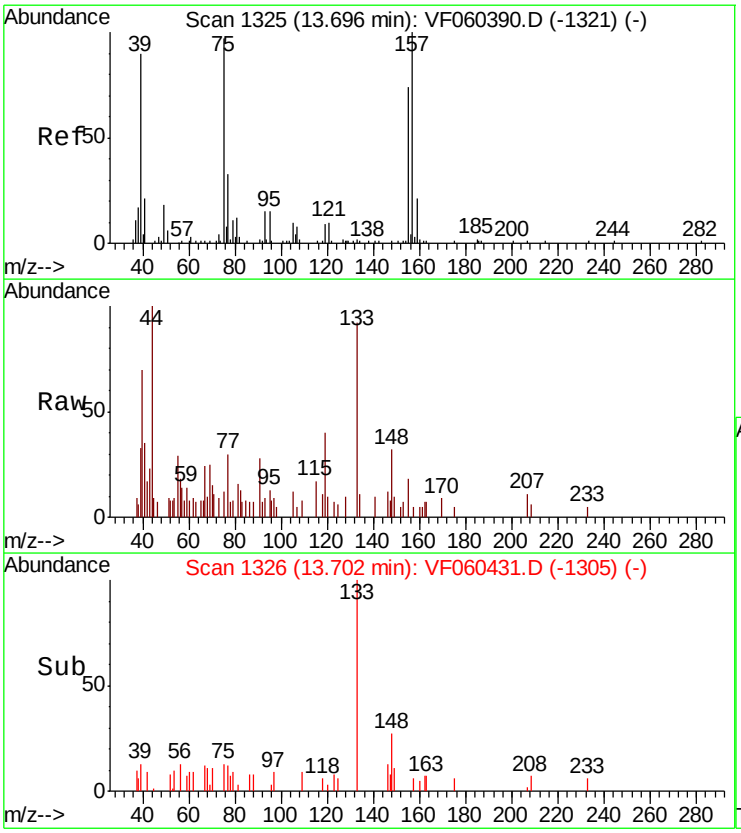

#89
n-Butylbenzene
Concen: 1.058 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion: 91 Resp: 9168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 41.6 | 31.3 | 93.9 |
| 134 | 66.7 | 13.0 | 38.9# |

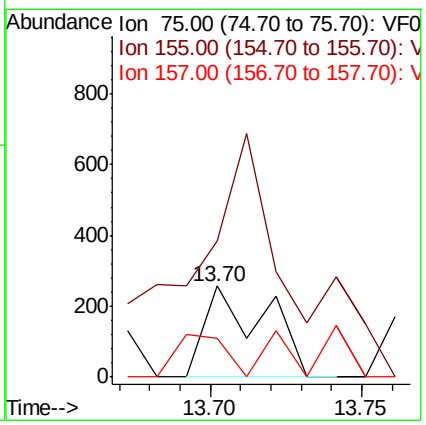


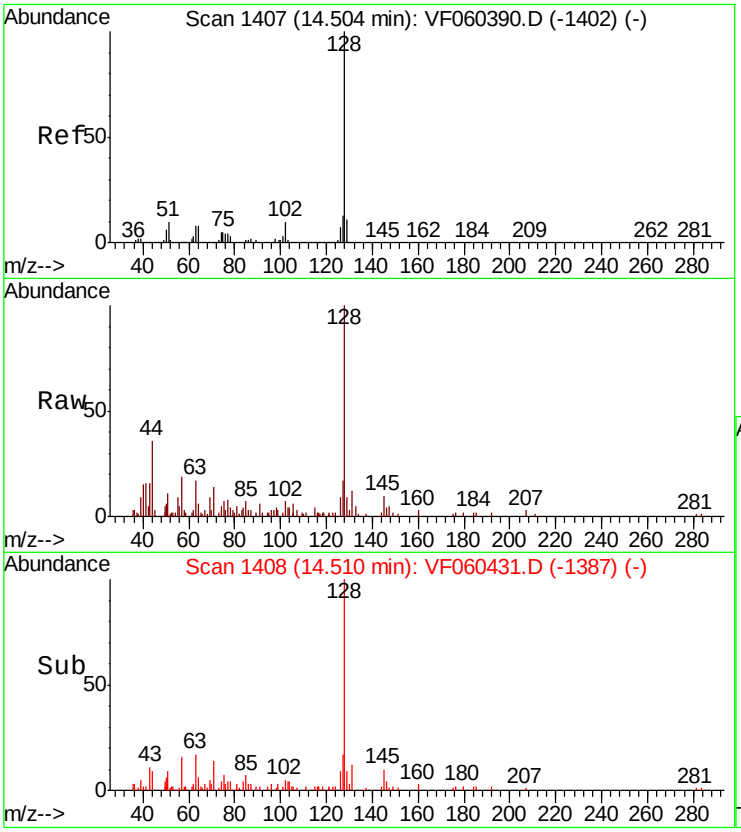




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 13.70 min Scan# 1326
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

Tgt Ion: 75 Resp: 351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 149.4 | 37.9 | 113.6# |
| 157 | 42.8 | 51.3 | 154.0# |






#95
Naphthalene
Concen: 2.909 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VF060431.D
Acq: 3 Oct 2018 22:52

**Instrument :**
MSVOA_F
**ClientSampleId :**
CL-01-100218-B

Tgt Ion:128 Resp: 13578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 16.8 | 10.0 | 15.0# |
| 129 | 9.0 | 8.7 | 13.1 |