Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122218\
Data File : VF061152.D
Acq On : 22 Dec 2018 18:52
Operator : VA/AP
Sample : J6200-01RE
Misc : 6.12g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :**

Quant Time: Dec 24 02:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.89 | 168 | 180231 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 5.62 | 114 | 330099 | 50.00 | ug/l | 0.03 |
| 63) Chlorobenzene-d5 | 9.79 | 117 | 228650 | 50.00 | ug/l | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152 | 98279 | 50.00 | ug/l | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 132141 | 57.00 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 114.00% | | | |
| 35) Dibromofluoromethane | 4.13 | 113 | 133474 | 50.48 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 100.96% | | | |
| 50) Toluene-d8 | 7.57 | 98 | 188878 | 25.21 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 50.42% | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 114915 | 33.26 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 66.52% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 1.64 | 74 | 1149 | 2.064 | ug/l | 67 |
| 11) Tert butyl alcohol | 2.55 | 59 | 115 | 1.229 | ug/l # | 1 |
| 13) Acrolein | 2.15 | 56 | 197 | 2.914 | ug/l | 97 |
| 16) Acetone | 2.25 | 43 | 4091 | 8.828 | ug/l | 94 |
| 18) Methyl Acetate | 2.35 | 43 | 2836 | 2.958 | ug/l # | 66 |
| 20) Methylene Chloride | 2.27 | 84 | 3904 | Below Cal # | | 72 |
| 25) 2-Butanone | 4.37 | 43 | 1569 | 2.088 | ug/l # | 57 |
| 49) 1,4-Dioxane | 6.71 | 88 | 65 | 6.670 | ug/l # | 18 |
| 51) 4-Methyl-2-Pentanone | 8.28 | 43 | 1743 | 1.321 | ug/l # | 86 |
| 52) Toluene | 7.64 | 92 | 10028 | 1.768 | ug/l | 96 |
| 59) 2-Hexanone | 9.51 | 43 | 1341 | 1.405 | ug/l | 97 |
| 70) Styrene | 10.81 | 104 | 236 | Below Cal # | | 49 |
| 78) n-propylbenzene | 11.61 | 91 | 676 | Below Cal | | 100 |
| 87) 1,3-Dichlorobenzene | 12.48 | 146 | 152 | Below Cal # | | 25 |

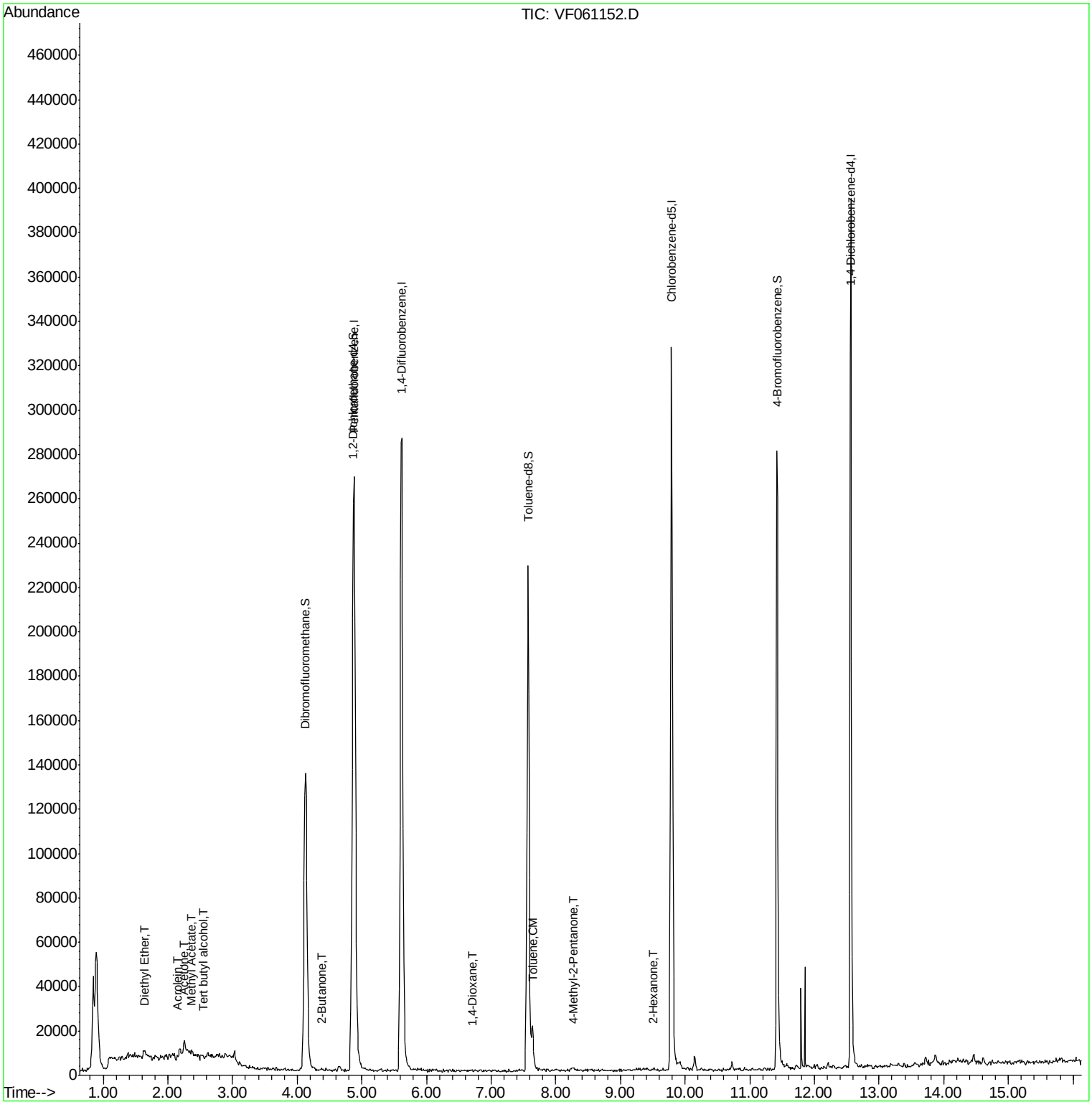
(#) = qualifier out of range (m) = manual integration (+) = signals summed

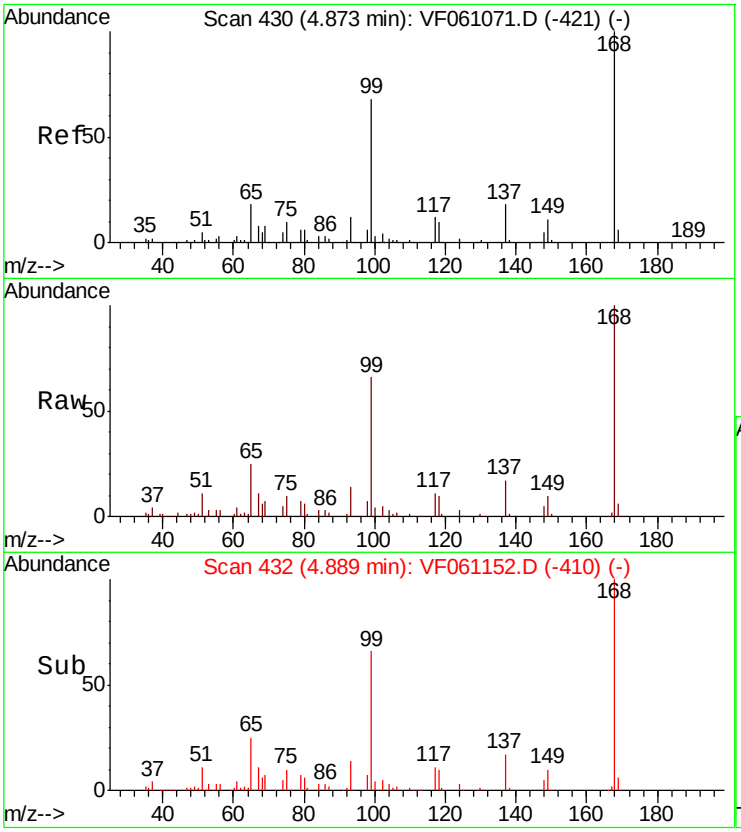
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122218\
Data File : VF061152.D
Acq On : 22 Dec 2018 18:52
Operator : VA/AP
Sample : J6200-01RE
Misc : 6.12g/5mL/MSVOA-F/SOIL
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**

Quant Time: Dec 24 02:58:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration



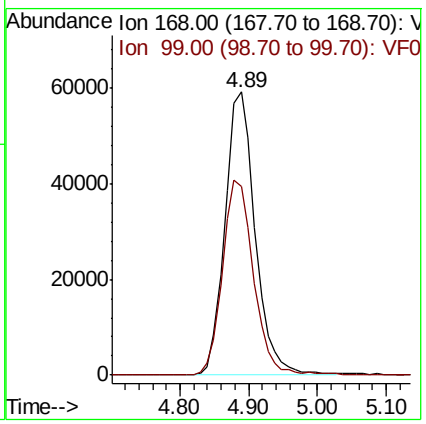


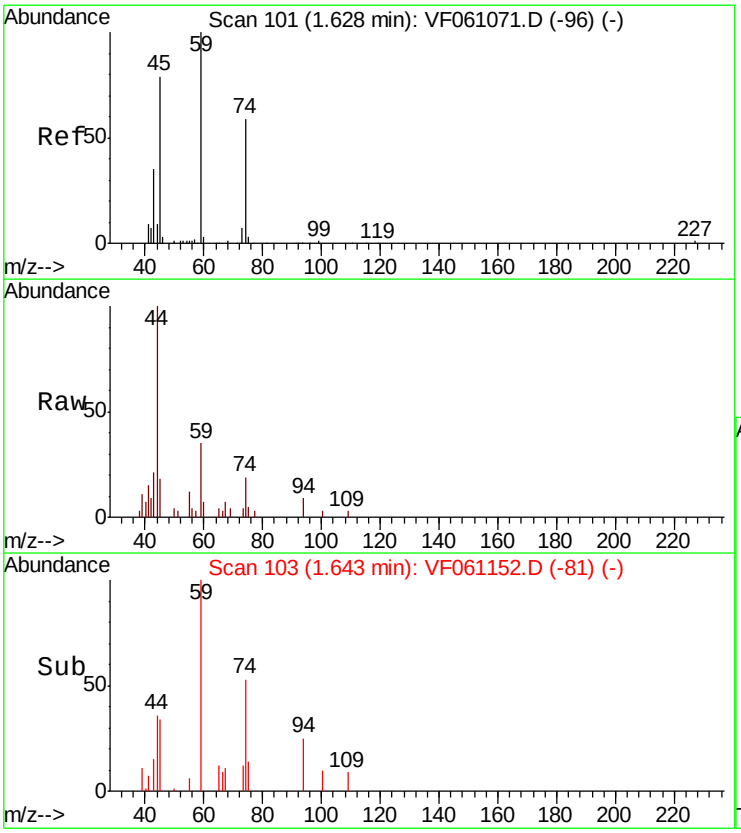

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :** MSVOA_F
**ClientSampleId :**

Tgt Ion:168 Resp: 180231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.4 | 54.4 | 81.6 |

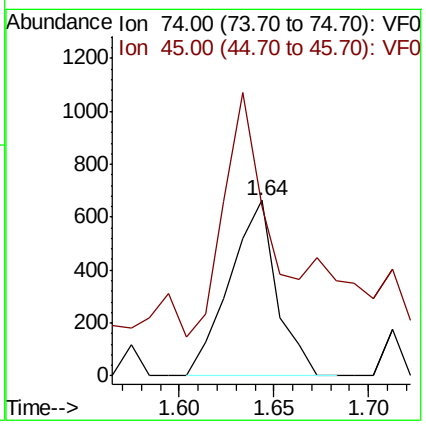


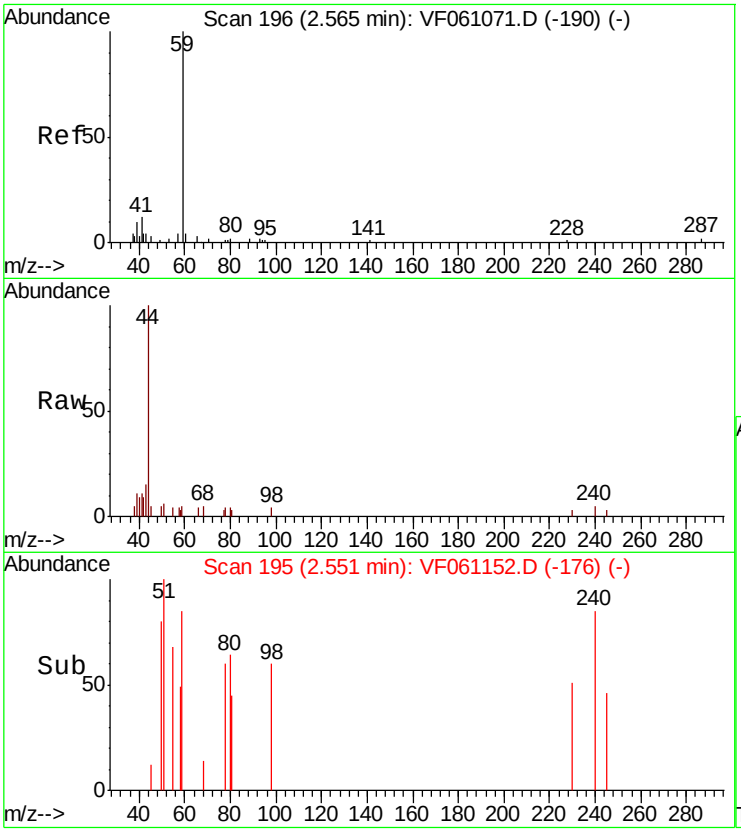




#8
Diethyl Ether
Concen: 2.064 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 74 Resp: 1149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 96.5 | 67.8 | 203.4 |



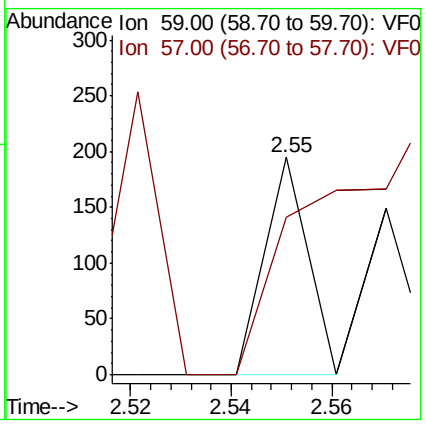


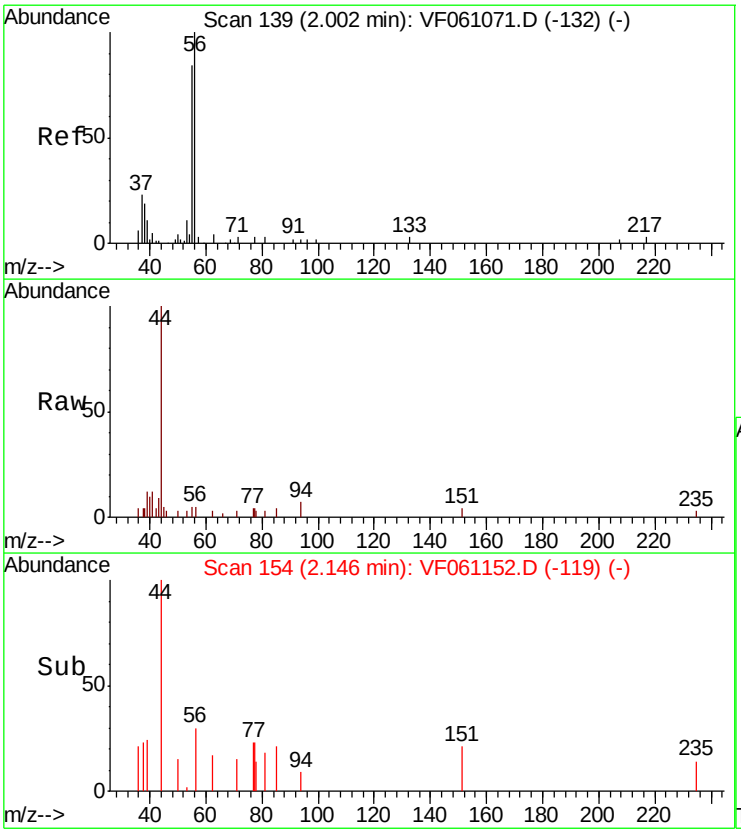

#11
Tert butyl alcohol
Concen: 1.229 ug/l
RT: 2.55 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :** MSVOA_F
**ClientSampleId :**

Tgt Ion: 59 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 72.3 | 11.5 | 17.3# |

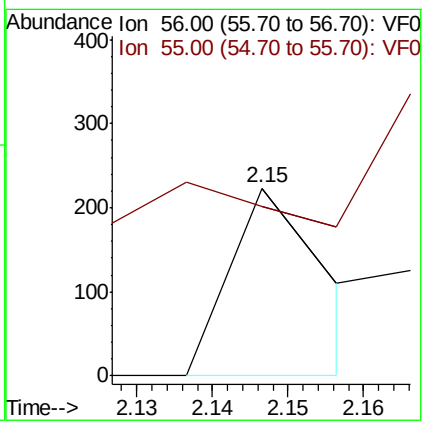


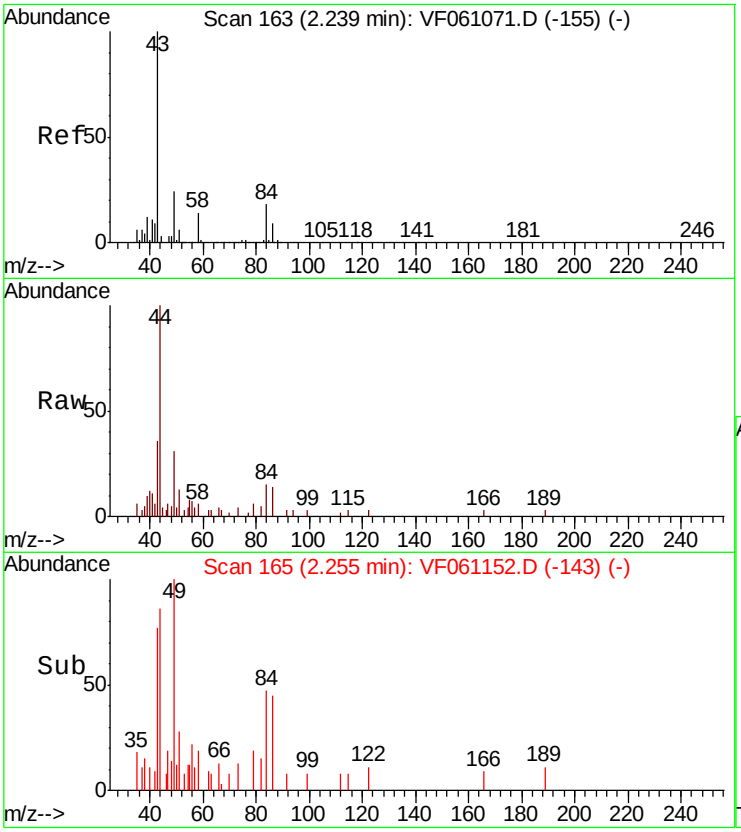




#13
Acrolein
Concen: 2.914 ug/l
RT: 2.15 min Scan# 154
Delta R.T. 0.14 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 56 Resp: 197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 90.6 | 70.2 | 105.2 |



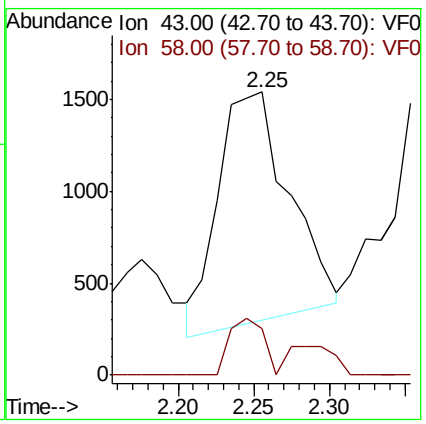


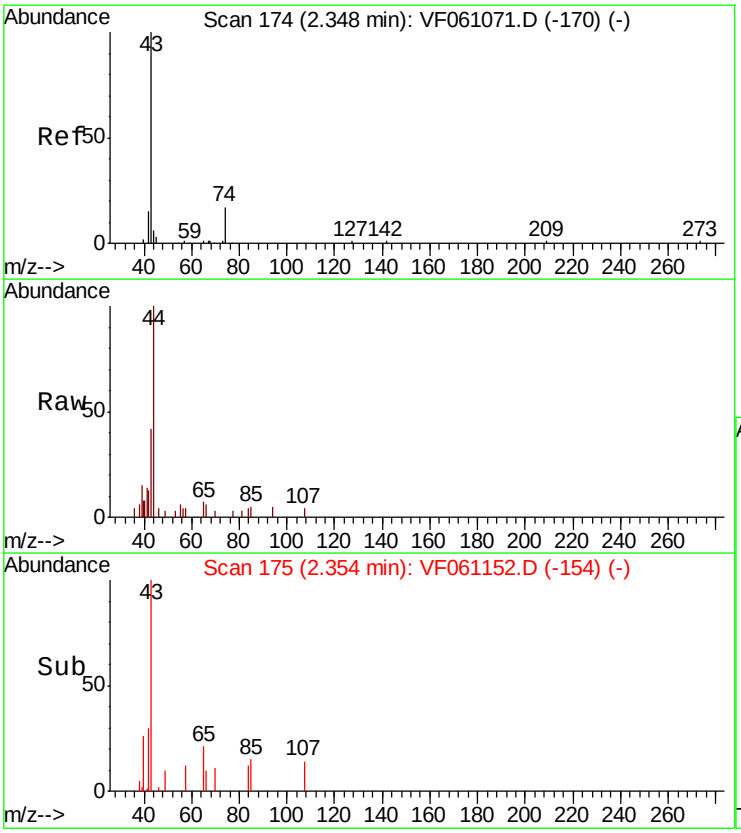

#16
Acetone
Concen: 8.828 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion: 43 Resp: 4091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 16.3 | 11.1 | 16.7 |

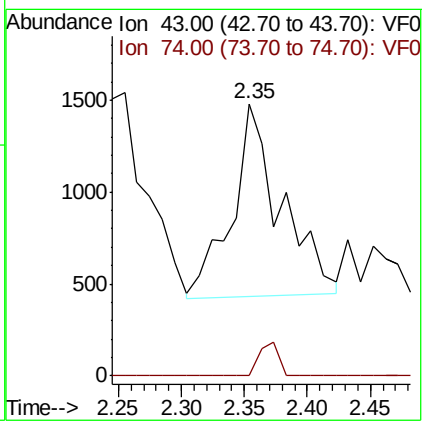


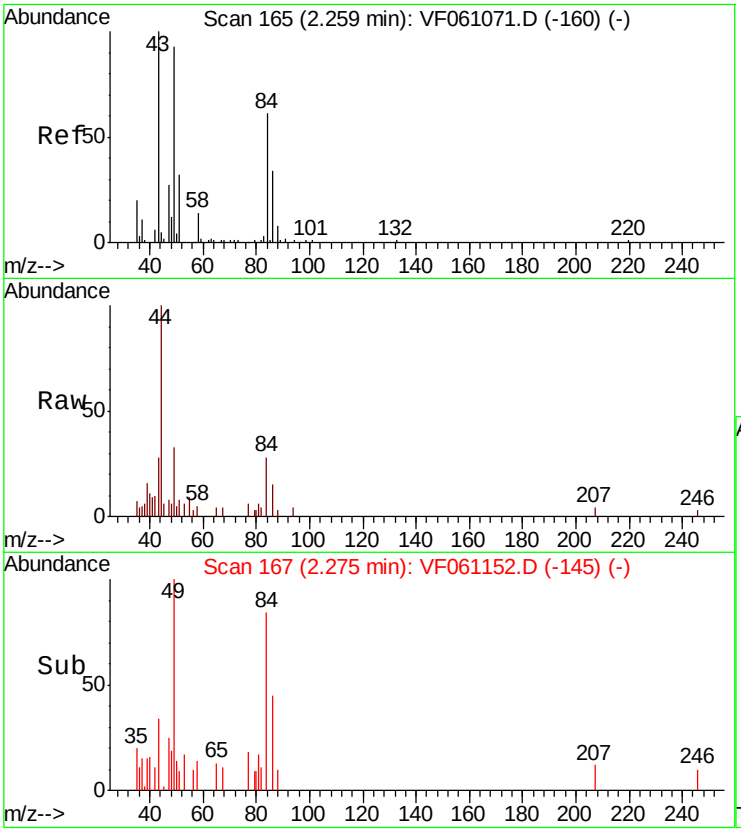




#18
Methyl Acetate
Concen: 2.958 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 43 Resp: 2836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 11.0 | 16.6# |



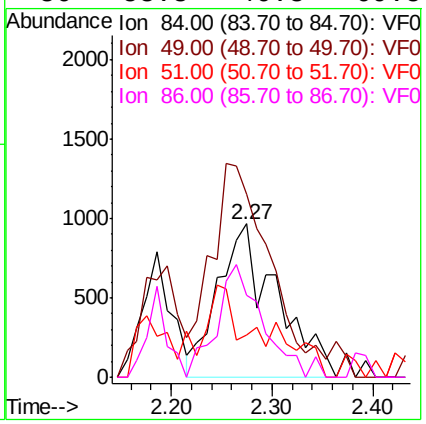


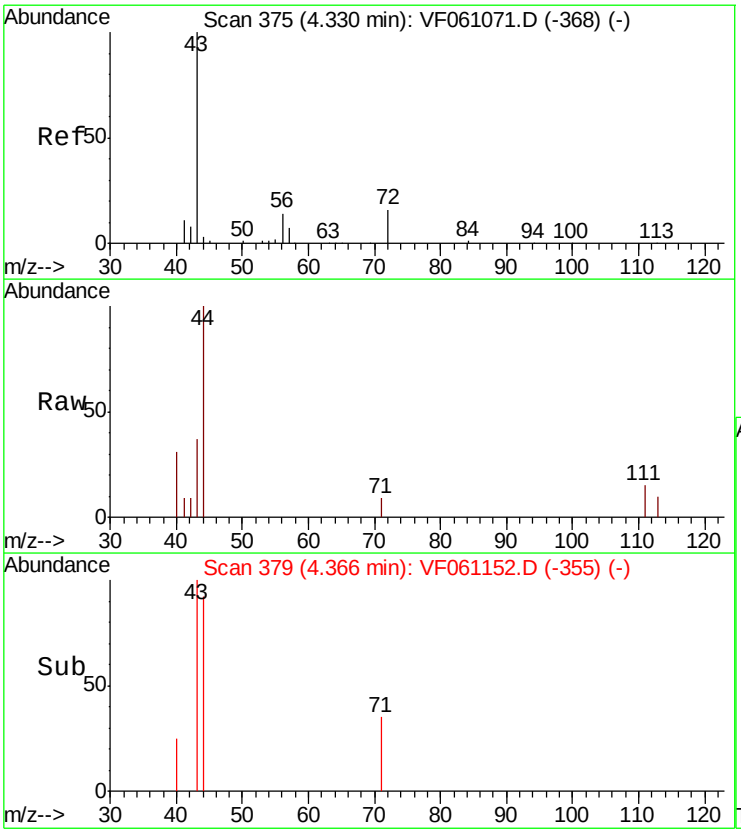

#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :** MSVOA_F
**ClientSampleId :**

Tgt Ion: 84 Resp: 3904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 119.1 | 129.4 | 194.2# |
| 51 | 27.8 | 44.0 | 66.0# |
| 86 | 53.8 | 46.3 | 69.5 |

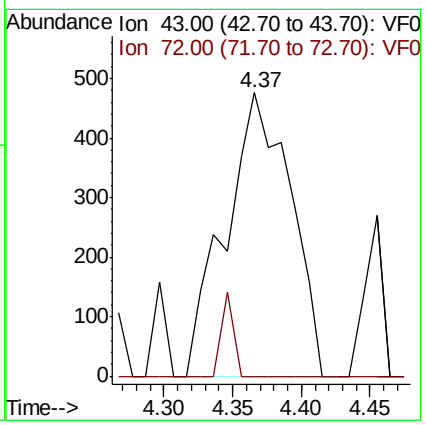


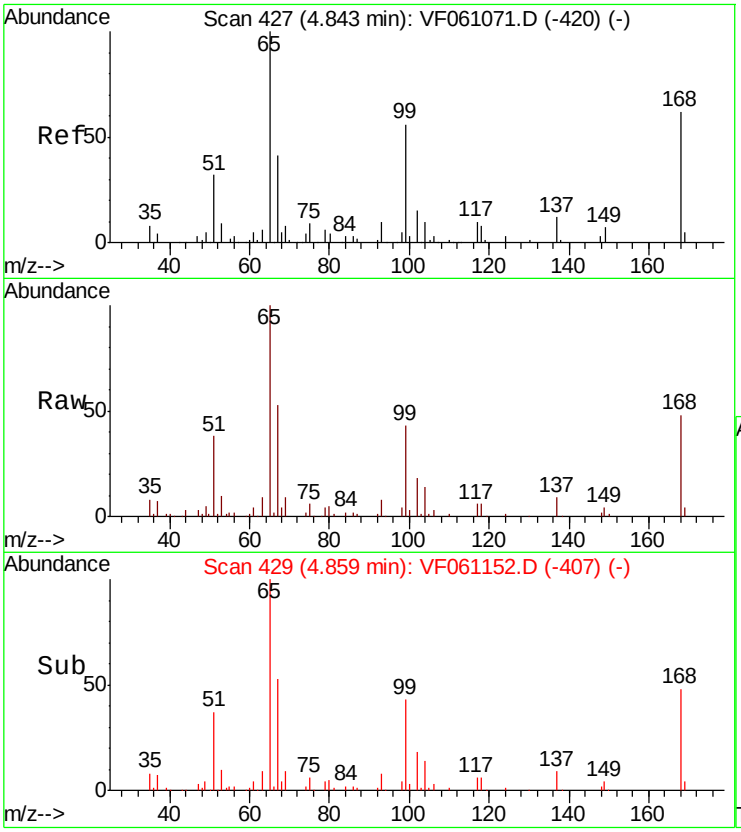




#25
2-Butanone
Concen: 2.088 ug/l
RT: 4.37 min Scan# 379
Delta R.T. 0.04 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 43 Resp: 1569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 15.6 | 23.4# |



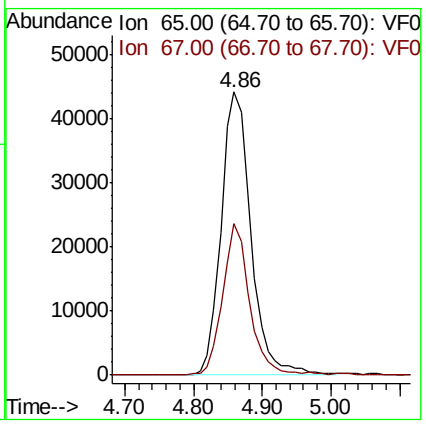


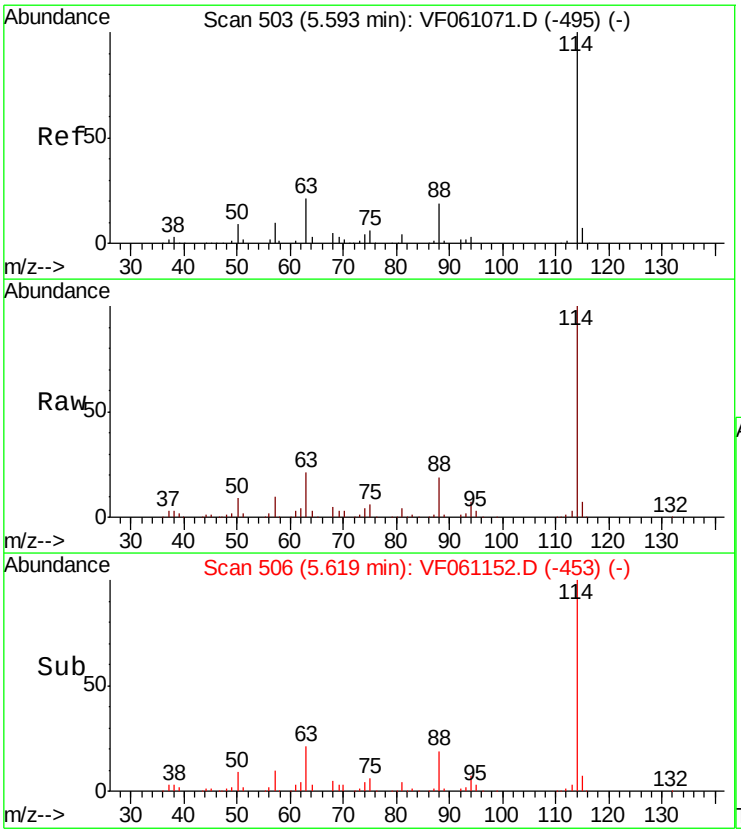

#33
1,2-Dichloroethane-d4
Concen: 57.004 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion: 65 Resp: 132141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 94.6 |

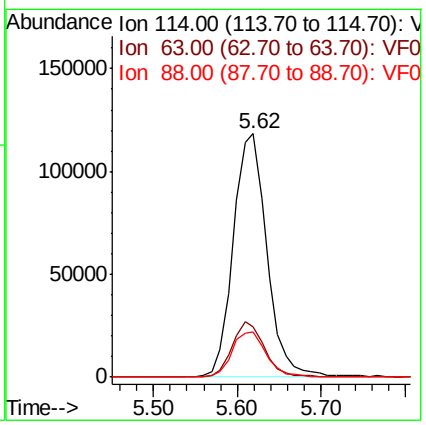


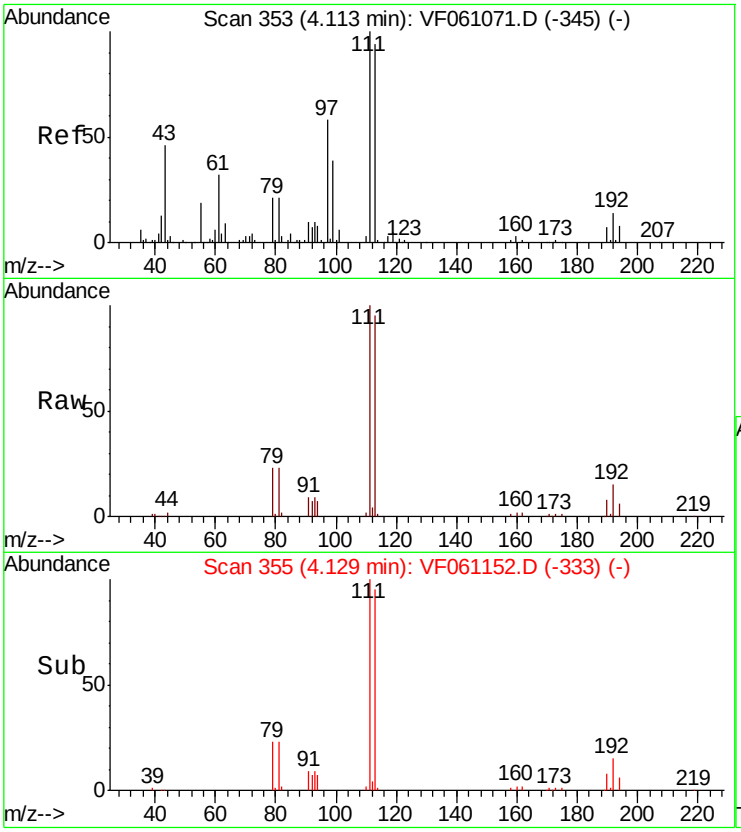




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.03 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion:114 Resp: 330099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 41.6 |
| 88 | 18.6 | 0.0 | 38.0 |



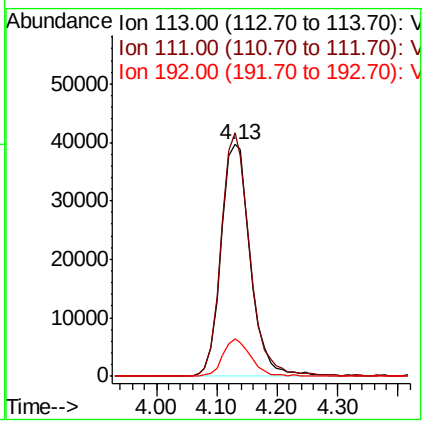


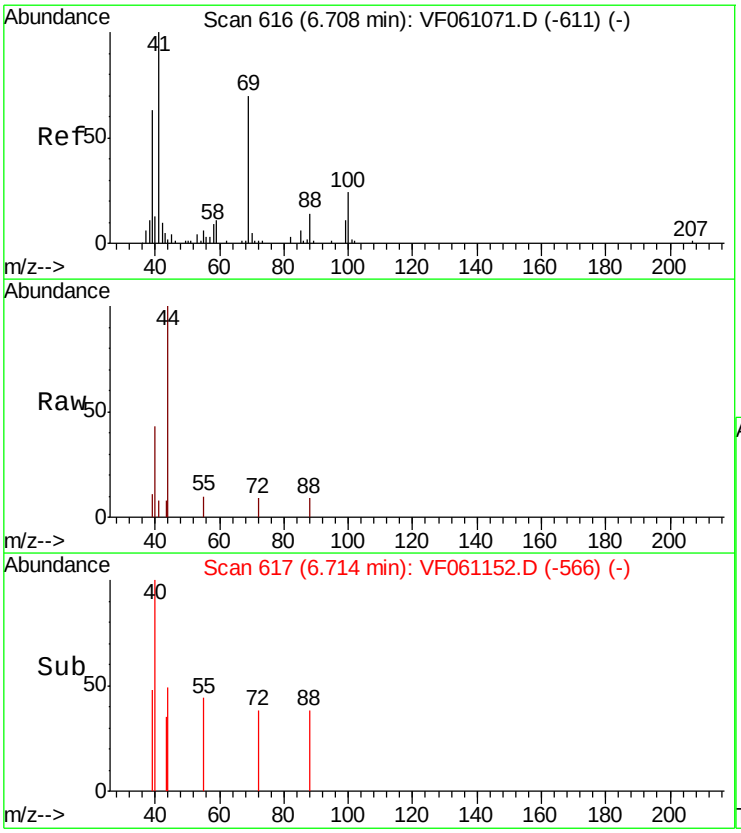

#35
Dibromofluoromethane
Concen: 50.476 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :** MSVOA_F
**ClientSampleId :**

Tgt Ion:113 Resp: 133474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.0 | 85.2 | 127.8 |
| 192 | 16.2 | 12.8 | 19.2 |

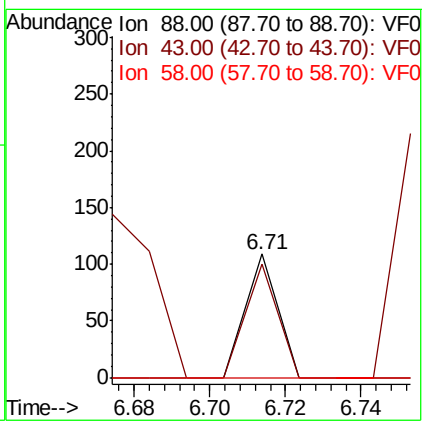


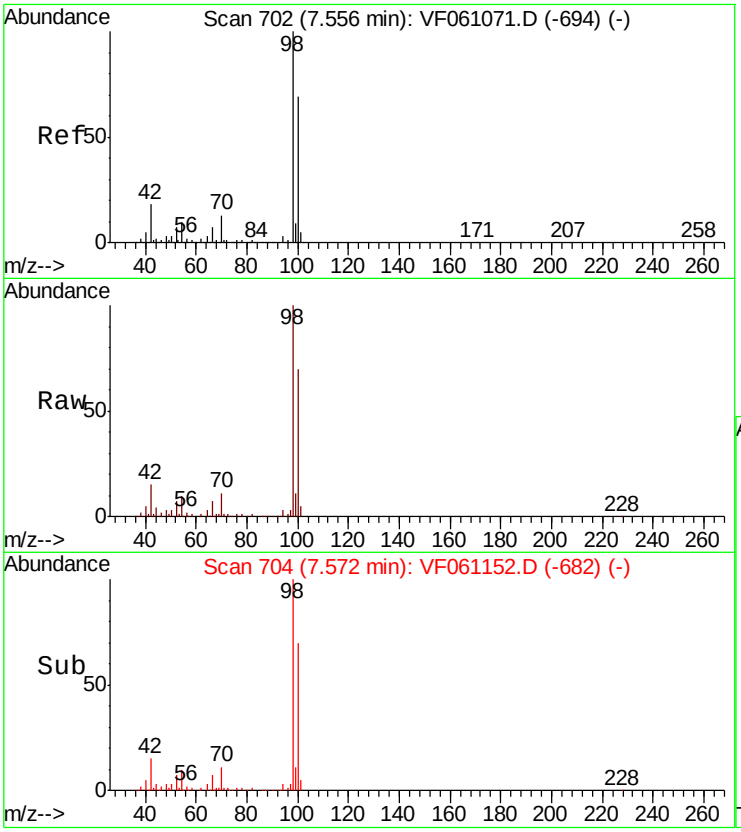




#49
1,4-Dioxane
Concen: 6.670 ug/l
RT: 6.71 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 88 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 91.7 | 33.3 | 49.9# |
| 58 | 0.0 | 53.2 | 79.8# |



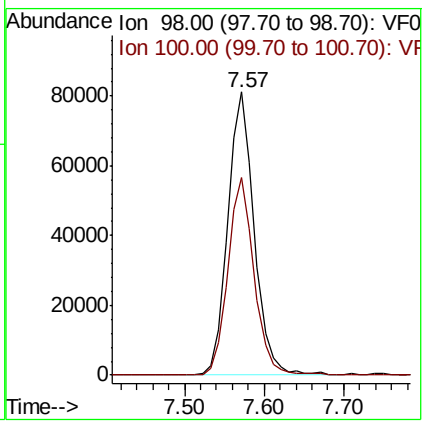


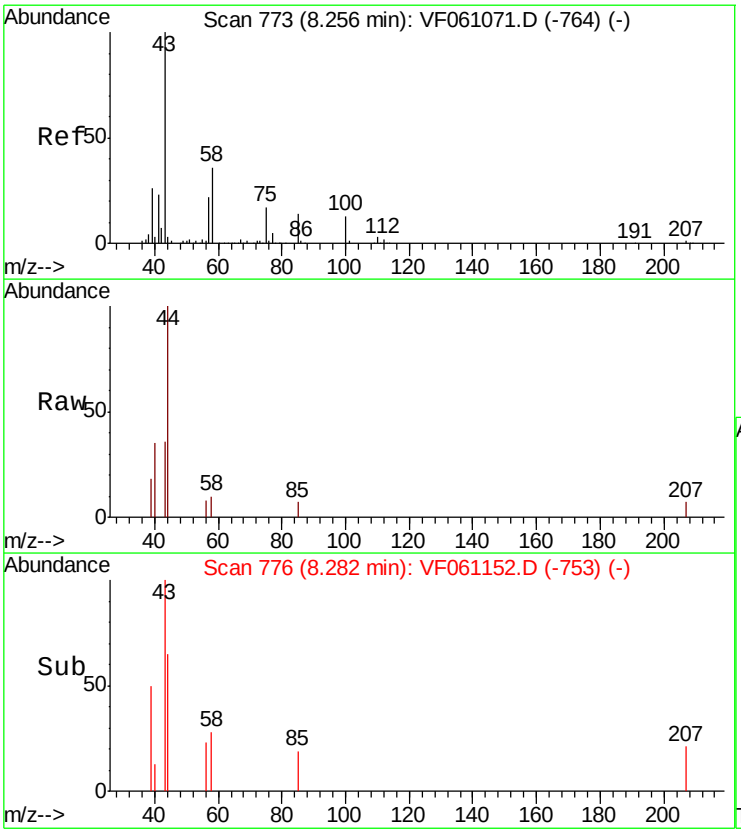

#50
Toluene-d8
Concen: 25.205 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion: 98 Resp: 188878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.9 | 55.3 | 82.9 |

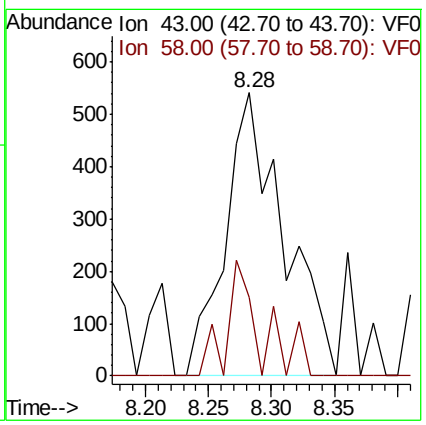


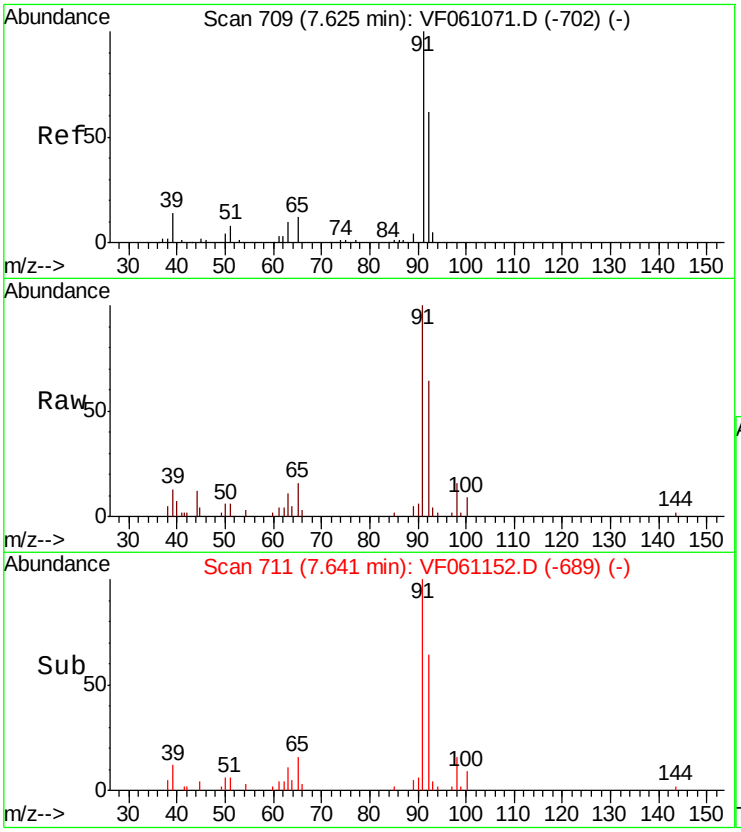




#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.03 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 43 Resp: 1743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 29.1 | 43.7# |



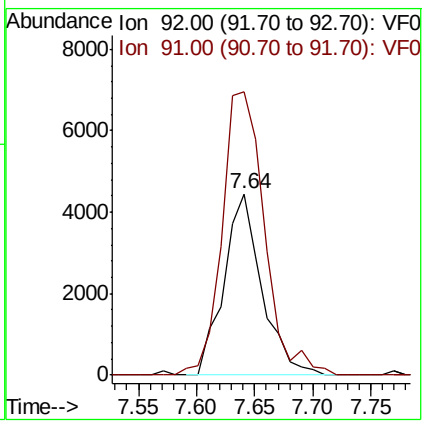


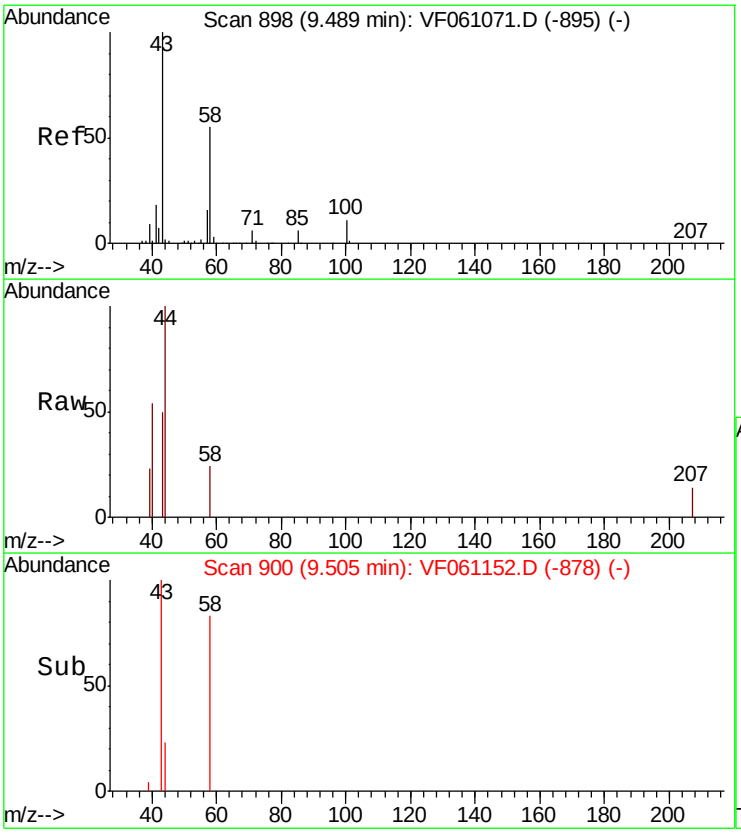

#52
Toluene
Concen: 1.768 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion: 92 Resp: 10028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 156.0 | 128.8 | 193.2 |

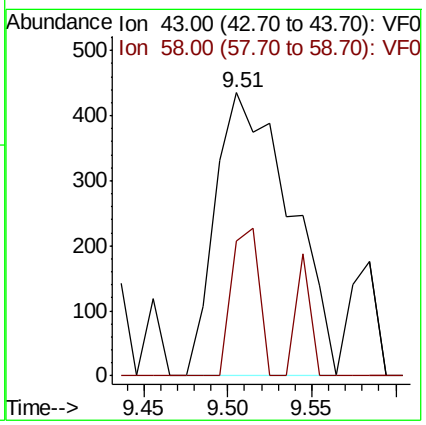


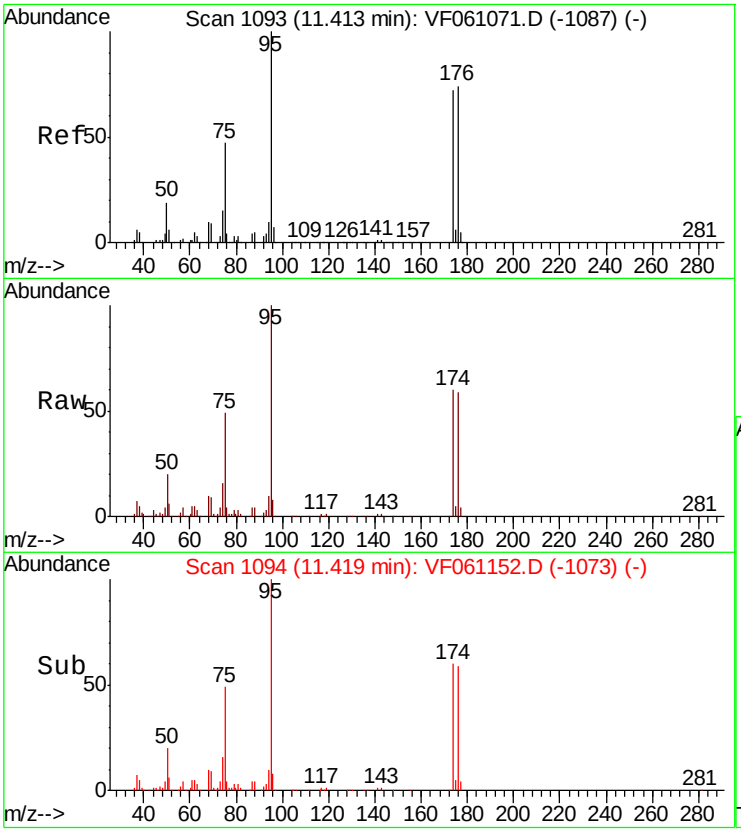




#59
2-Hexanone
Concen: 1.405 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion: 43 Resp: 1341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.8 | 25.1 | 75.2 |



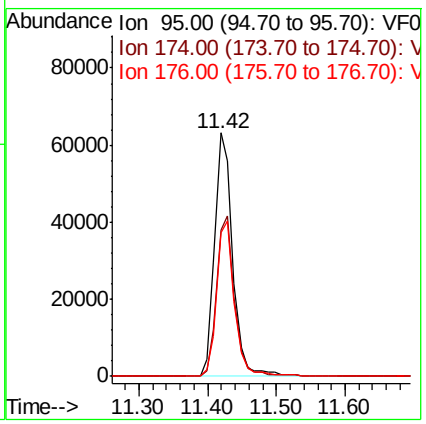


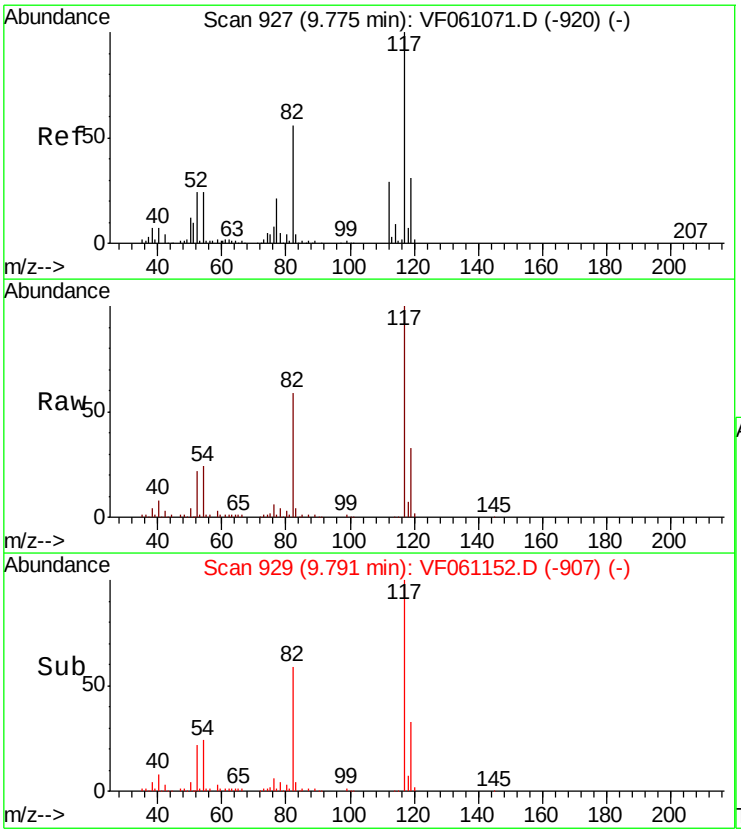

#62
4-Bromofluorobenzene
Concen: 33.264 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion: 95 Resp: 114915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 60.1 | 0.0 | 143.8 |
| 176 | 59.1 | 0.0 | 147.6 |

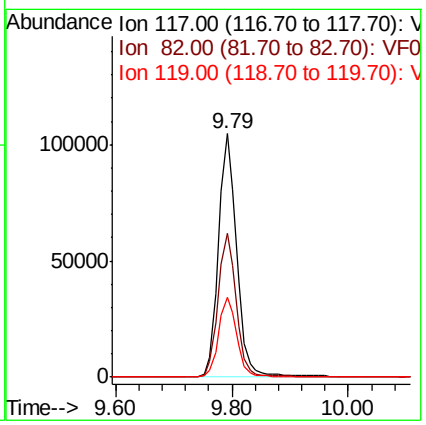


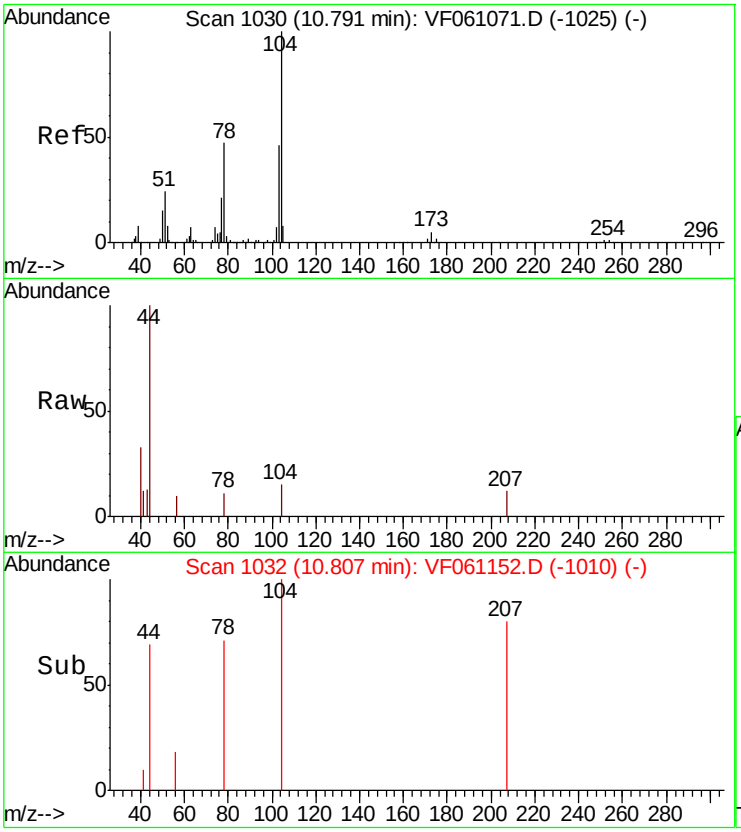




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion:117 Resp: 228650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.3 | 45.0 | 67.4 |
| 119 | 32.6 | 24.8 | 37.2 |



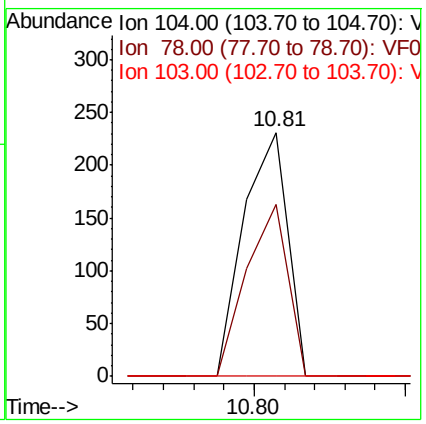


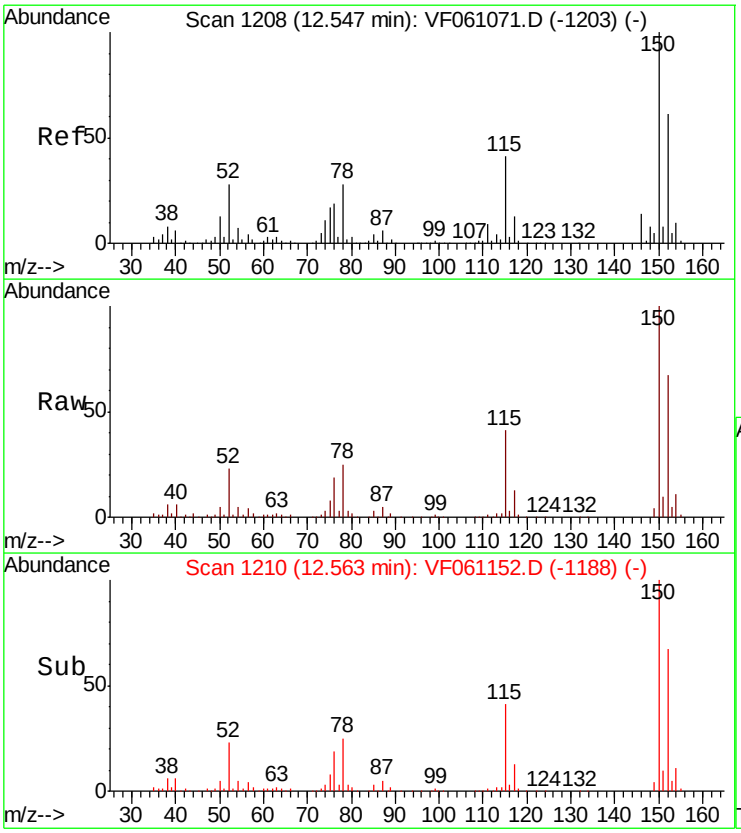

#70
Stvrene
Concen: Below Cal
RT: 10.81 min Scan# 1032
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion:104 Resp: 236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 70.6 | 38.4 | 57.6# |
| 103 | 0.0 | 37.0 | 55.6# |

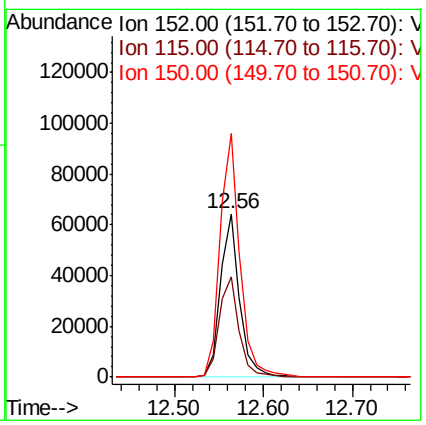


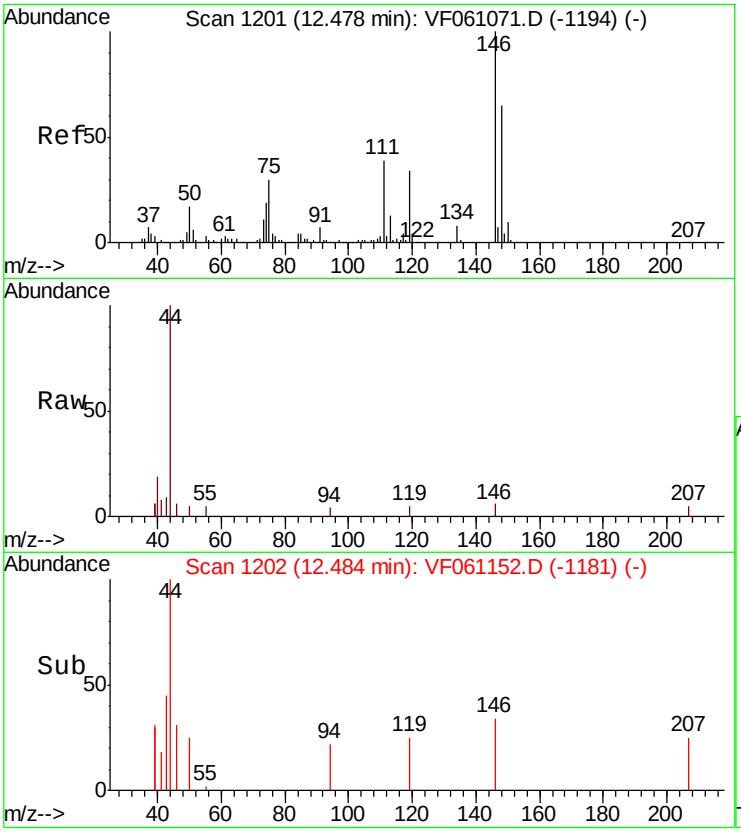




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.02 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

Tgt Ion:152 Resp: 98279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 33.3 | 99.9 |
| 150 | 149.1 | 0.0 | 328.2 |






#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 12.48 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VF061152.D
Acq: 22 Dec 2018 18:52

**Instrument :**
MSVOA_F
**ClientSampleId :**

Tgt Ion:146 Resp: 152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 19.3 | 57.9# |
| 148 | 0.0 | 32.4 | 97.2# |