Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
Data File : VF061674.D
Acq On : 18 Feb 2019 13:08
Operator : VA/AP
Sample : K1518-01
Misc : 6.60g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** CABLE-BRIDGE-FOUNDATION-D-1

Quant Time: Feb 19 01:56:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.88 | 168 | 270652 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.61 | 114 | 404718 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.79 | 117 | 312611 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152 | 147950 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 75142 | 37.86 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 75.72% | | | |
| 35) Dibromofluoromethane | 4.12 | 113 | 126168 | 41.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 83.96% | | | |
| 50) Toluene-d8 | 7.56 | 98 | 336581 | 38.96 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 77.92% | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 131419 | 37.59 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 75.18% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 2.58 | 59 | 264 | 2.298 | ug/l # | 1 |
| 13) Acrolein | 2.00 | 56 | 283 | 1.960 | ug/l # | 56 |
| 15) Acrylonitrile | 2.95 | 53 | 719 | 1.765 | ug/l # | 75 |
| 16) Acetone | 2.25 | 43 | 12716 | 29.861 | ug/l | 92 |
| 18) Methyl Acetate | 2.37 | 43 | 2364 | 2.464 | ug/l # | 59 |
| 25) 2-Butanone | 4.36 | 43 | 1977 | 2.125 | ug/l | 93 |
| 29) Tetrahydrofuran | 4.09 | 42 | 1293 | 3.058 | ug/l # | 86 |
| 49) 1,4-Dioxane | 6.37 | 88 | 60 | 4.812 | ug/l # | 20 |
| 51) 4-Methyl-2-Pentanone | 8.28 | 43 | 2561 | 1.626 | ug/l # | 77 |
| 59) 2-Hexanone | 9.51 | 43 | 2640 | 2.391 | ug/l | 79 |
| 95) Naphthalene | 14.46 | 128 | 7083 | 1.170 | ug/l # | 90 |

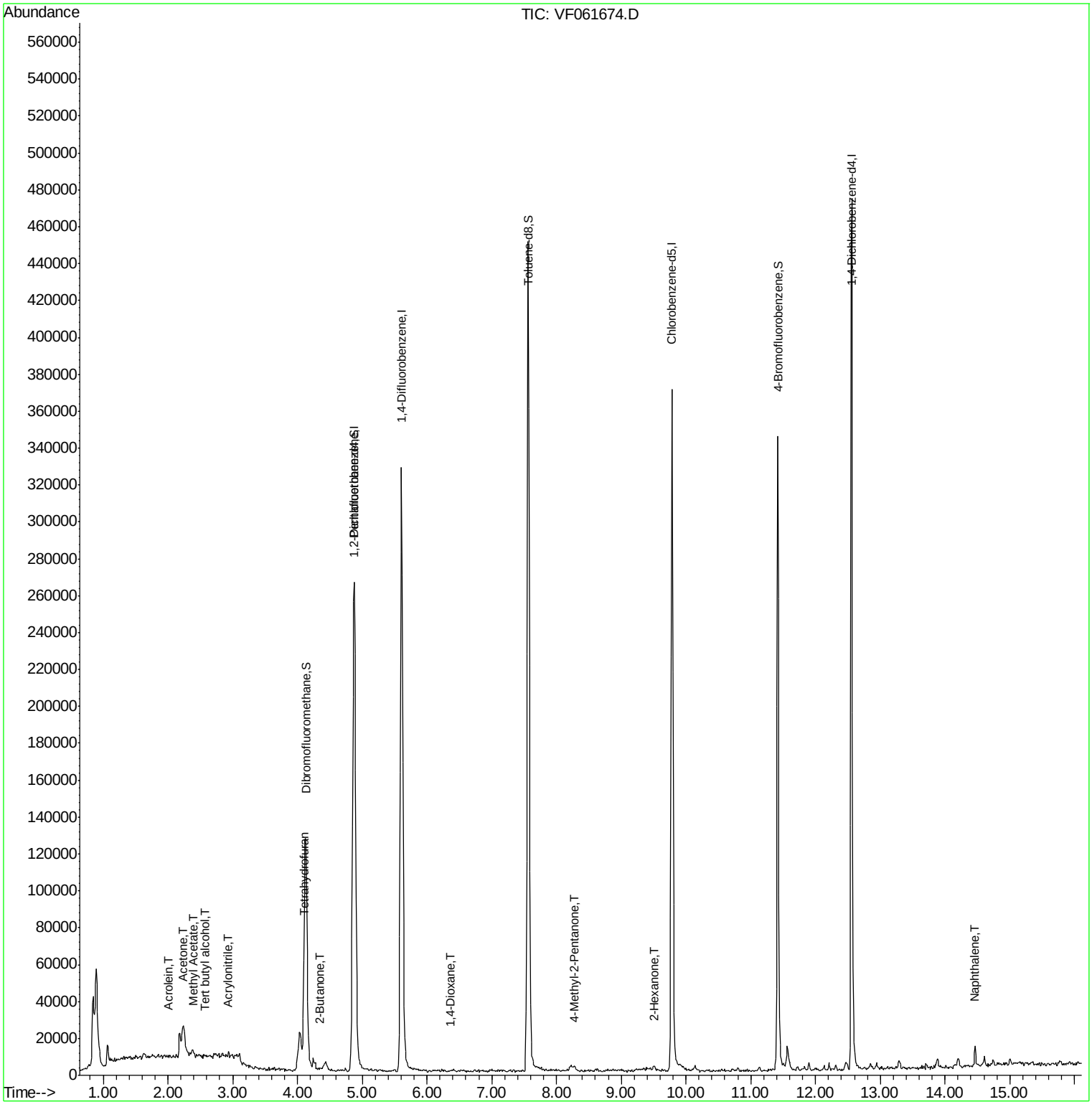
(#) = qualifier out of range (m) = manual integration (+) = signals summed

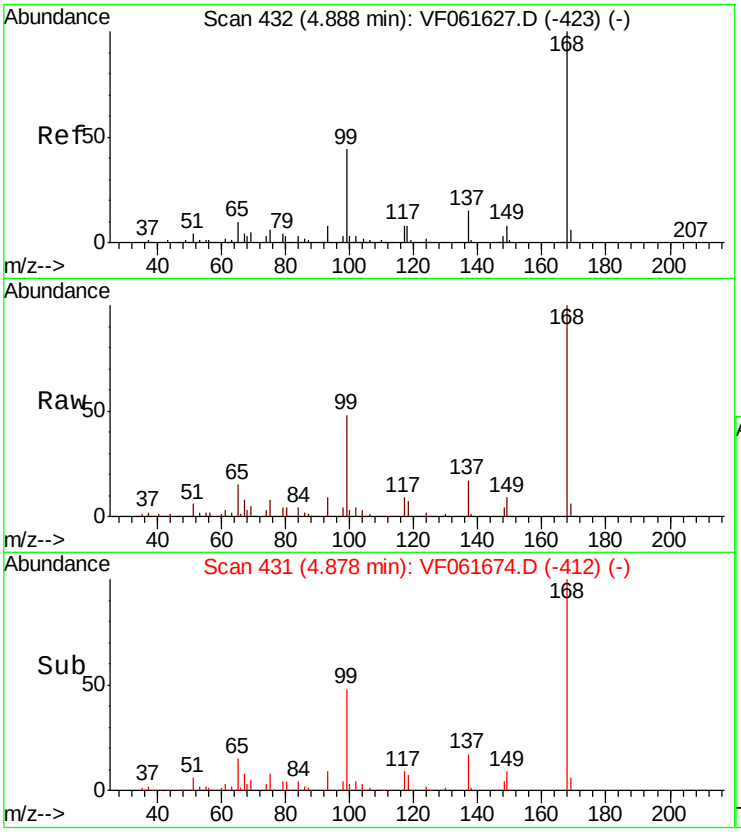
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021819\
Data File : VF061674.D
Acq On : 18 Feb 2019 13:08
Operator : VA/AP
Sample : K1518-01
Misc : 6.60g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Quant Time: Feb 19 01:56:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration



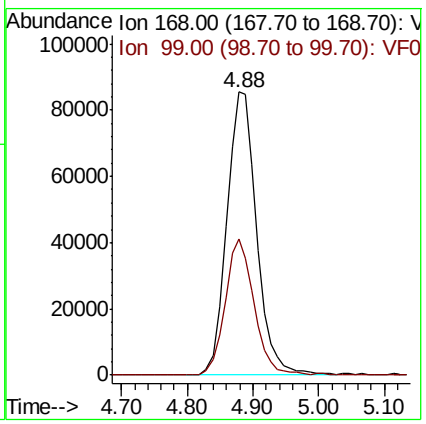


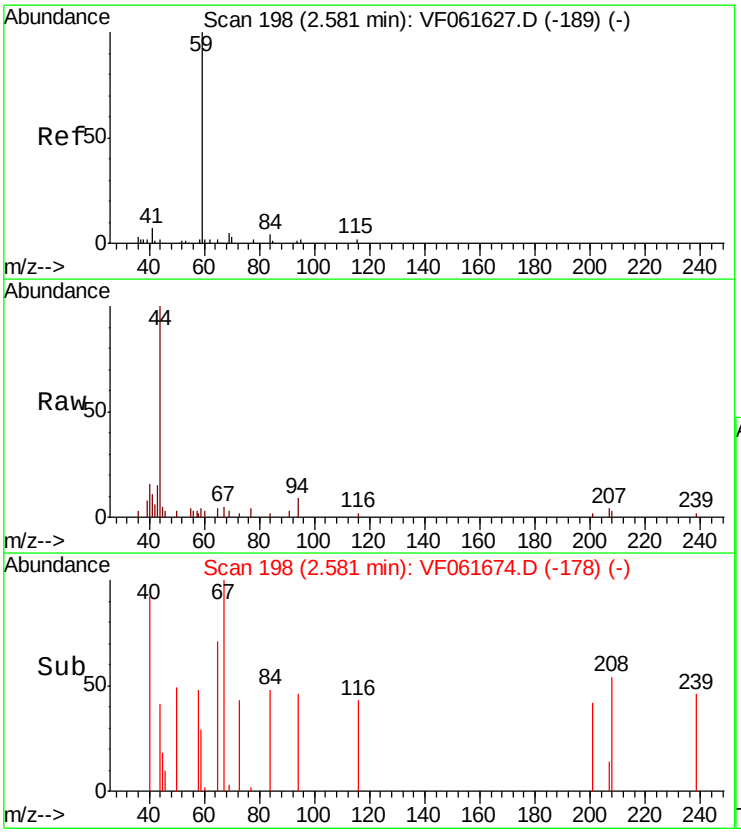

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.01 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion:168 Resp: 270652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.2 | 34.9 | 52.3 |

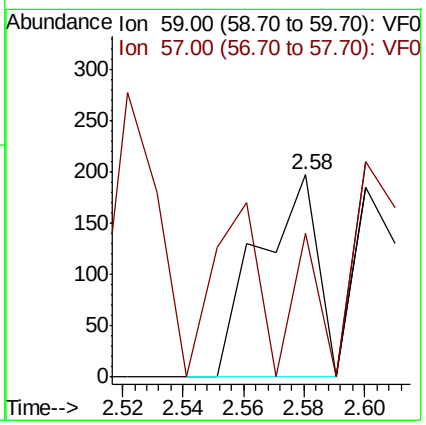


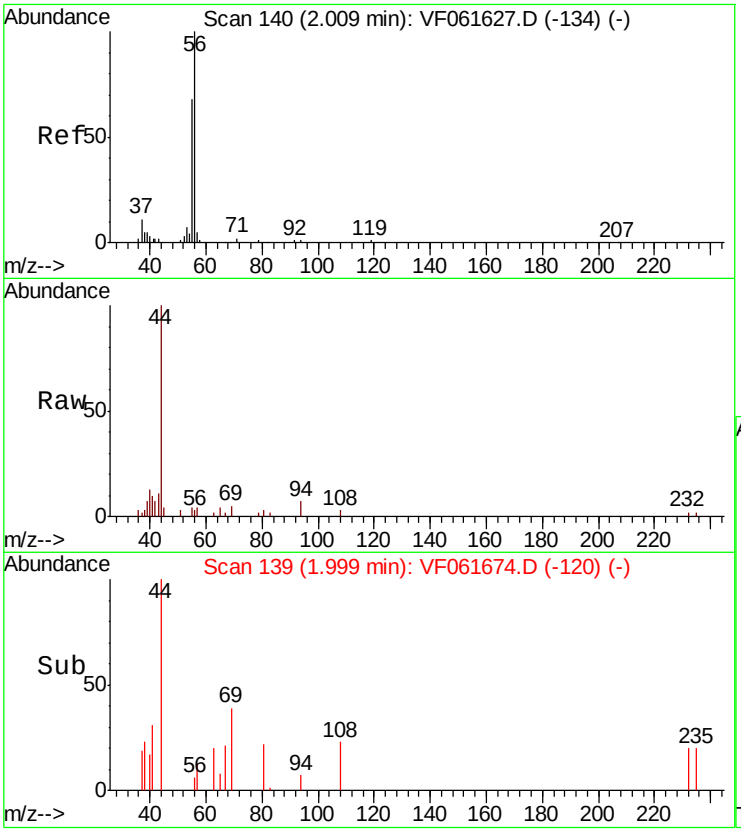




#11
Tert butyl alcohol
Concen: 2.298 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion: 59 Resp: 264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 71.1 | 12.5 | 18.7# |



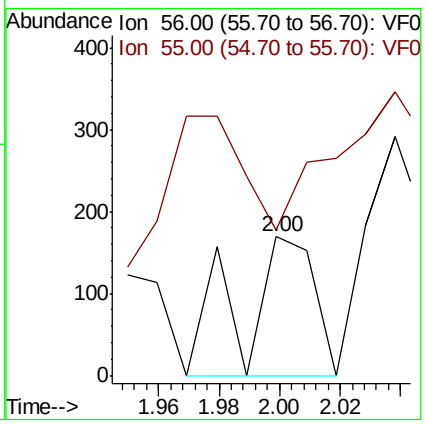


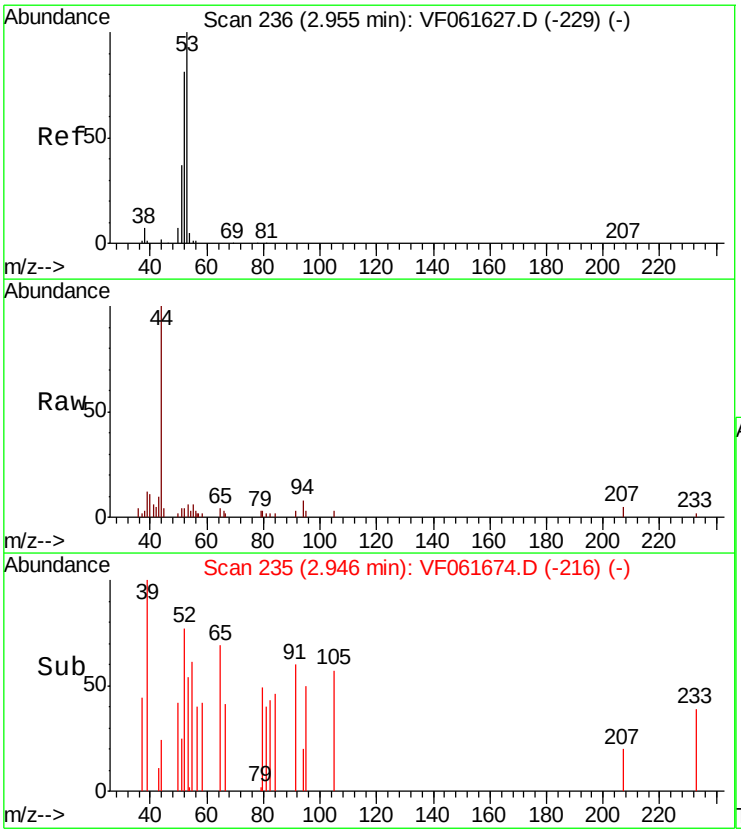

#13
Acrolein
Concen: 1.960 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 56 Resp: 283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 104.7 | 55.0 | 82.6# |

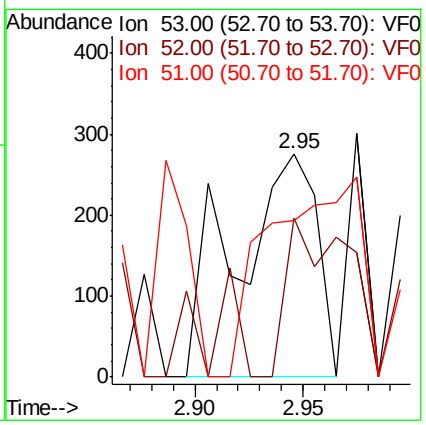


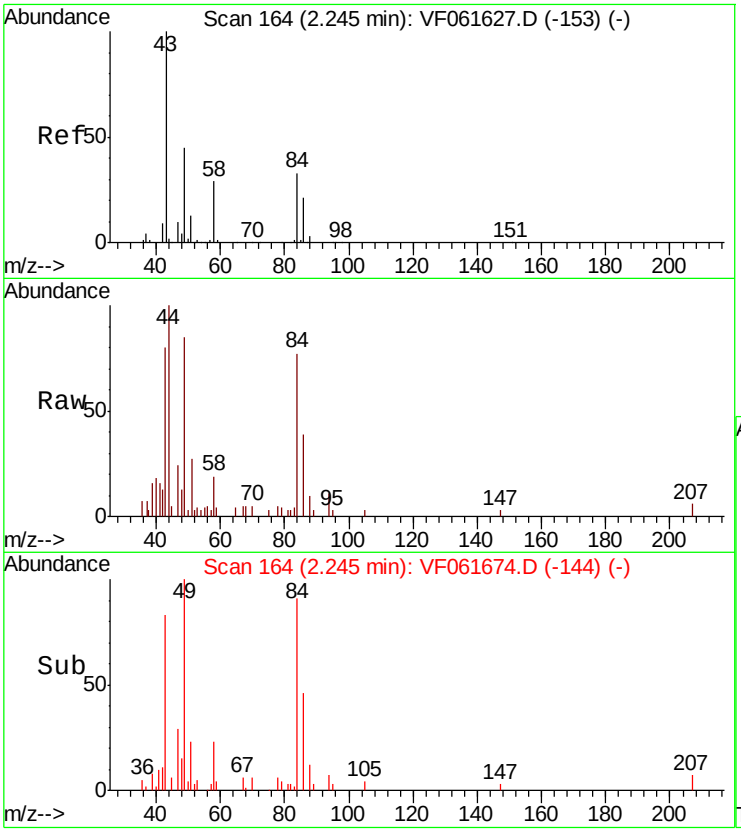




#15
Acrylonitrile
Concen: 1.765 ug/l
RT: 2.95 min Scan# 235
Delta R.T. -0.01 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion: 53 Resp: 719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 71.0 | 64.6 | 97.0 |
| 51 | 69.9 | 29.8 | 44.8# |



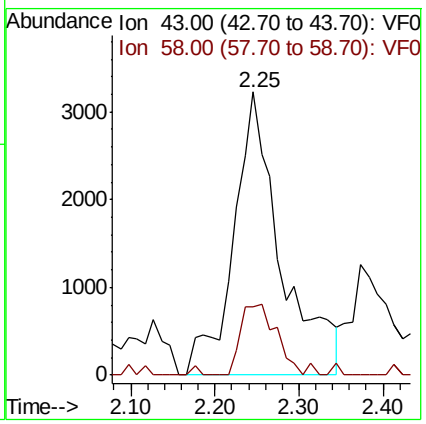


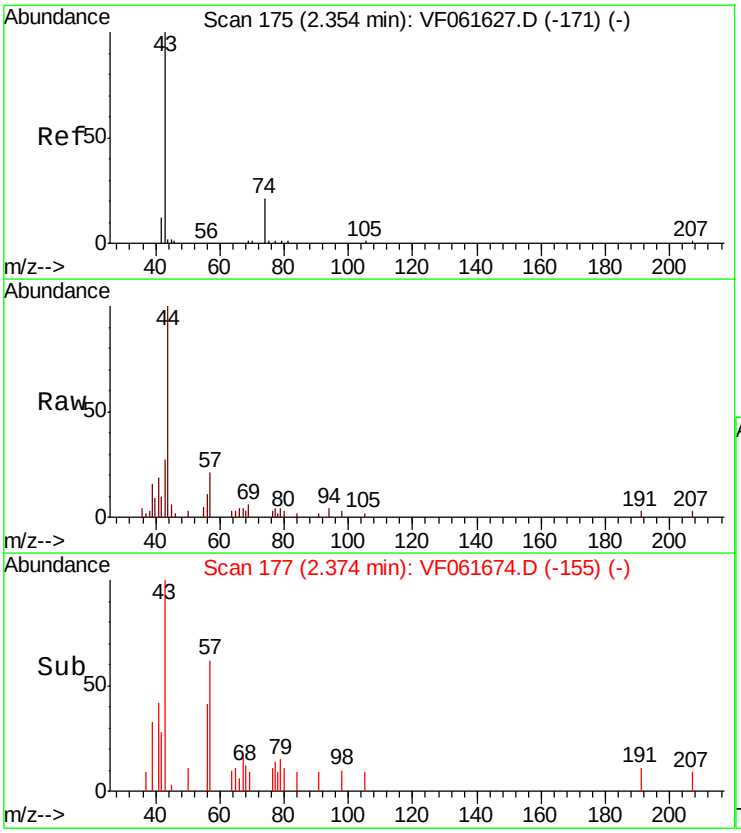

#16
Acetone
Concen: 29.861 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 43 Resp: 12716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.3 | 22.9 | 34.3 |

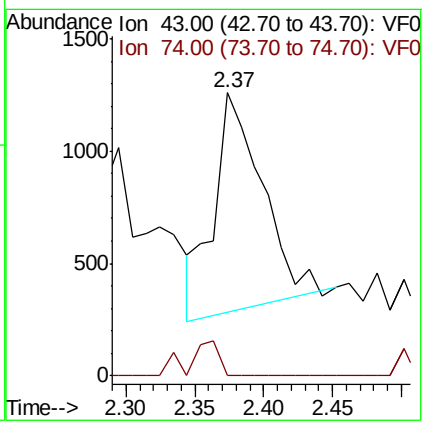


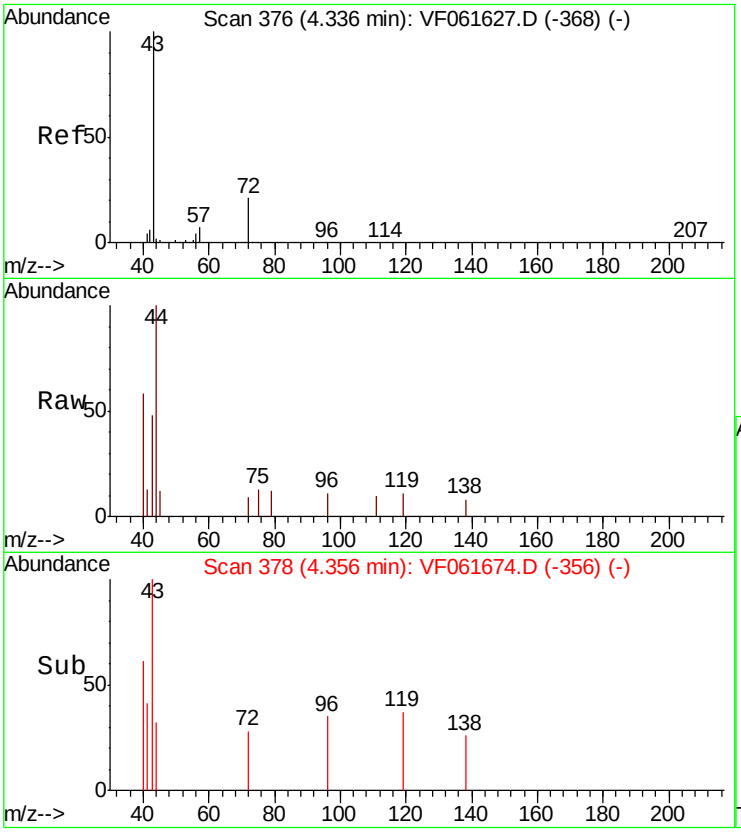




#18
Methyl Acetate
Concen: 2.464 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.02 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion: 43 Resp: 2364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 14.6 | 21.8# |



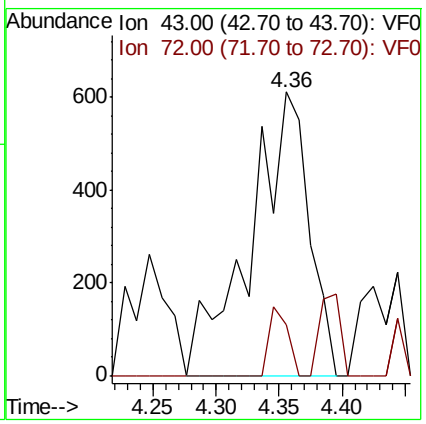


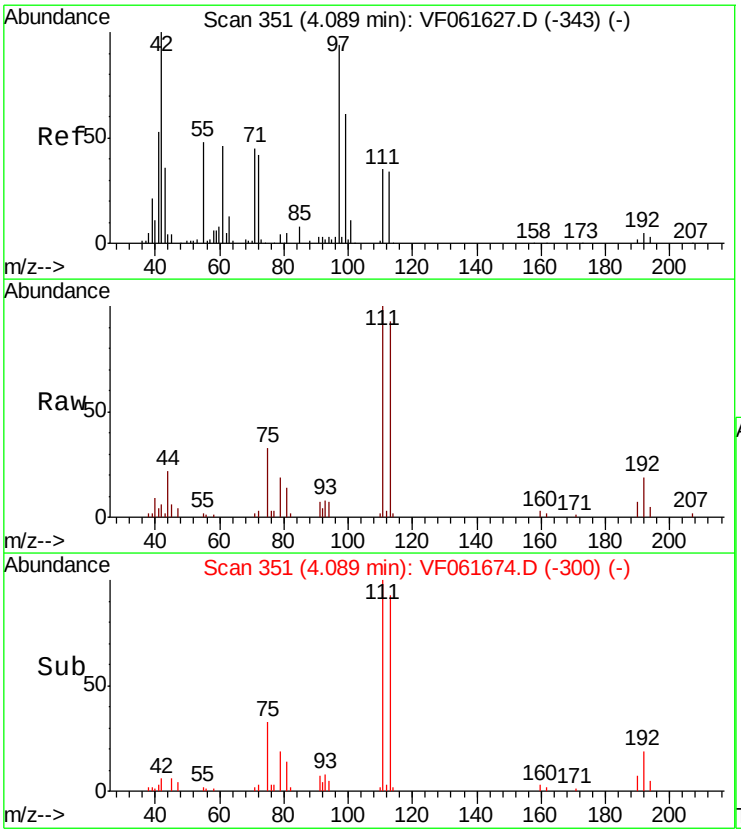

#25
2-Butanone
Concen: 2.125 ug/l
RT: 4.36 min Scan# 378
Delta R.T. 0.02 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 43 Resp: 1977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 18.0 | 17.1 | 25.7 |

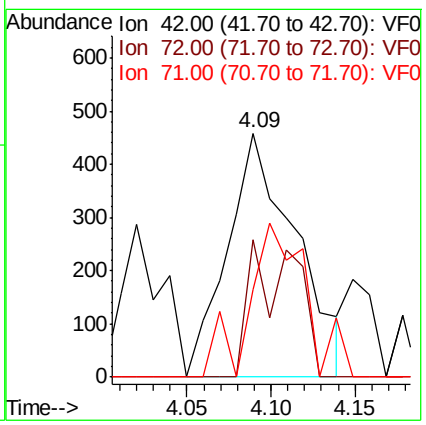


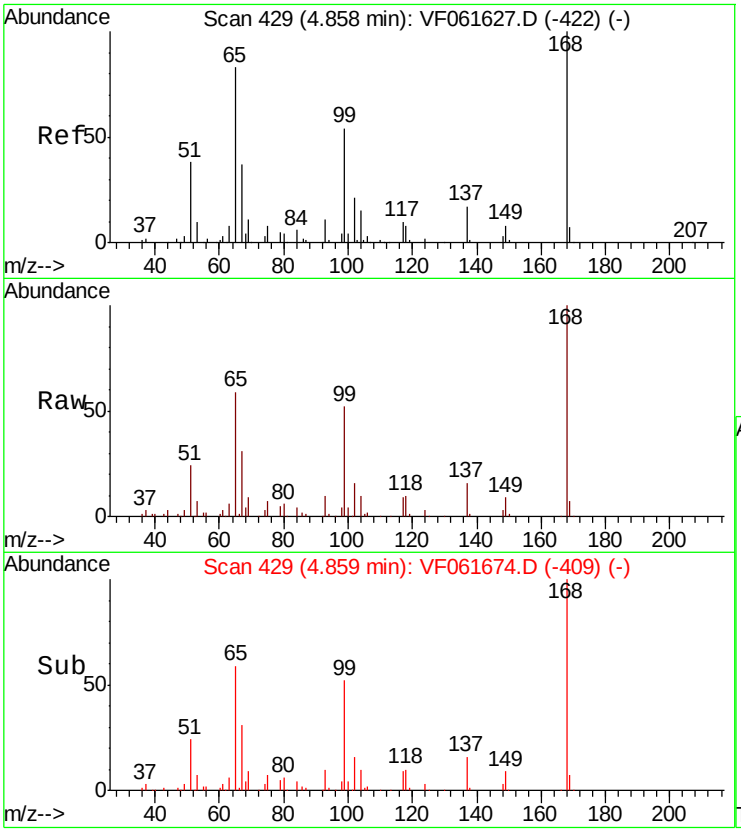




#29
Tetrahydrofuran
Concen: 3.058 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion: 42 Resp: 1293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 37.4 | 35.2 | 52.8 |
| 71 | 52.6 | 32.9 | 49.3# |



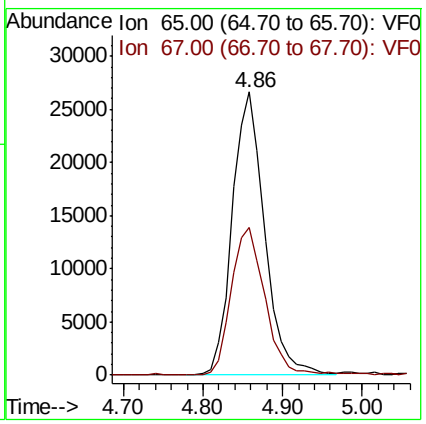


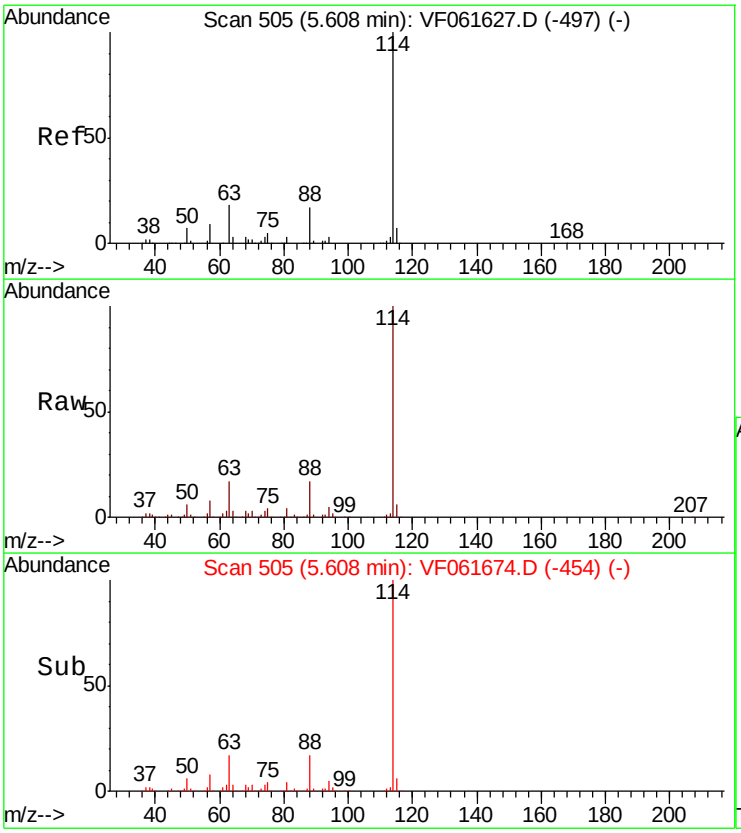

#33
1,2-Dichloroethane-d4
Concen: 37.860 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 65 Resp: 75142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 104.0 |

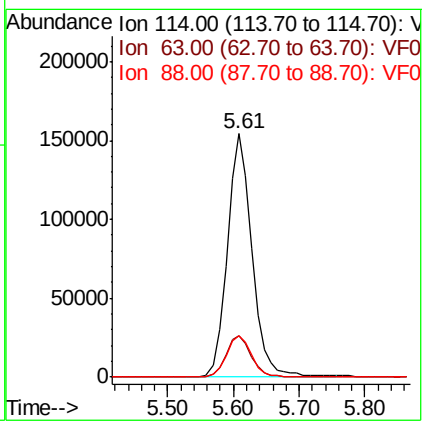


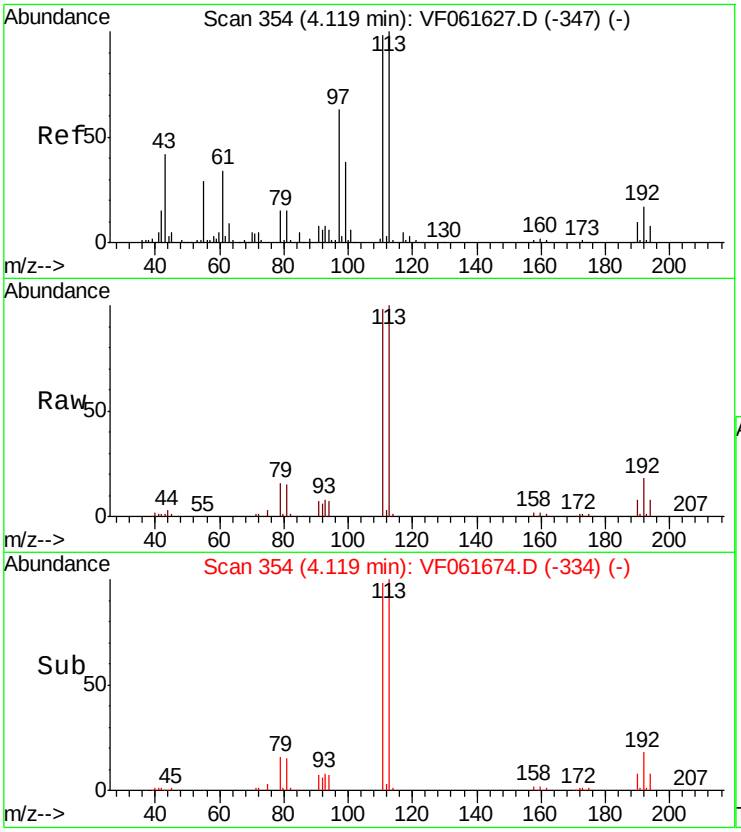




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion:114 Resp: 404718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.0 | 0.0 | 36.6 |
| 88 | 17.1 | 0.0 | 34.4 |



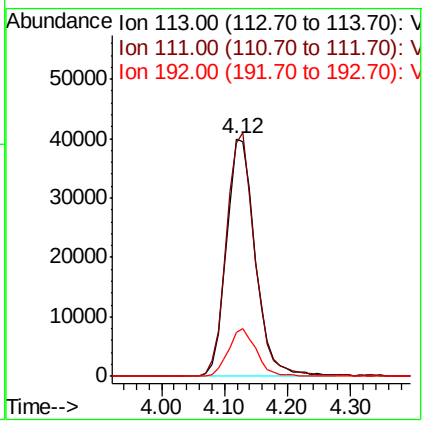


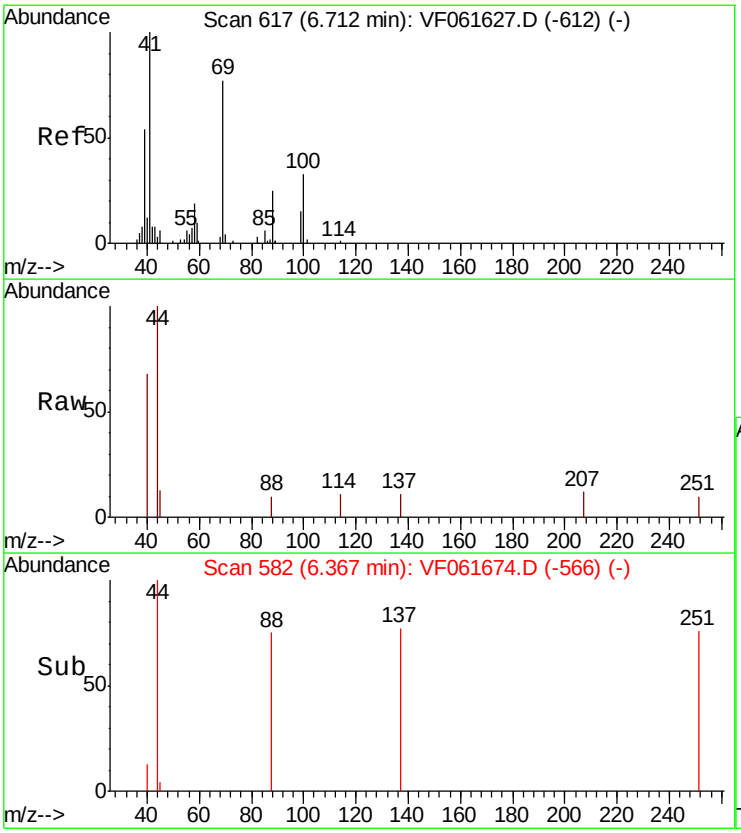

#35
Dibromofluoromethane
Concen: 41.979 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion:113 Resp: 126168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 98.1 | 78.8 | 118.2 |
| 192 | 19.1 | 13.4 | 20.0 |

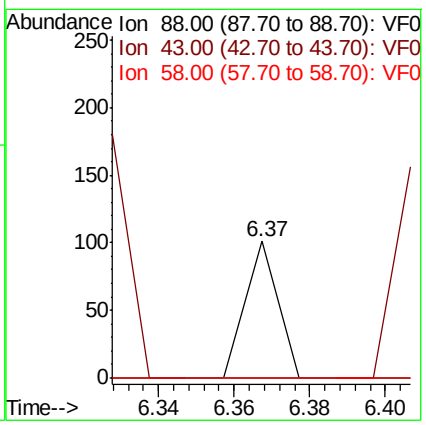


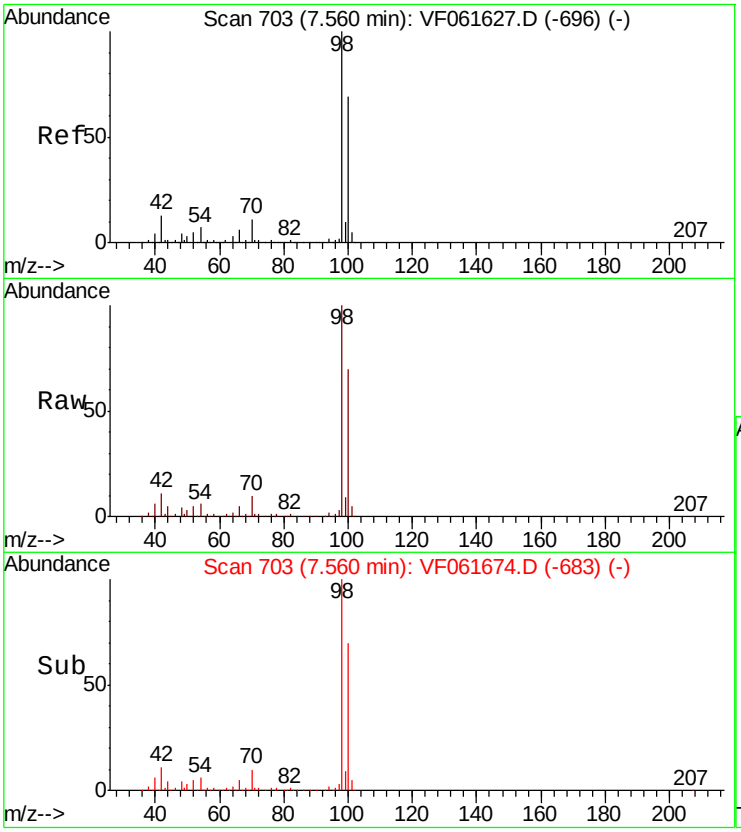




#49
1,4-Dioxane
Concen: 4.812 ug/l
RT: 6.37 min Scan# 582
Delta R.T. -0.35 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion: 88 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 32.3 | 48.5# |
| 58 | 0.0 | 59.4 | 89.2# |



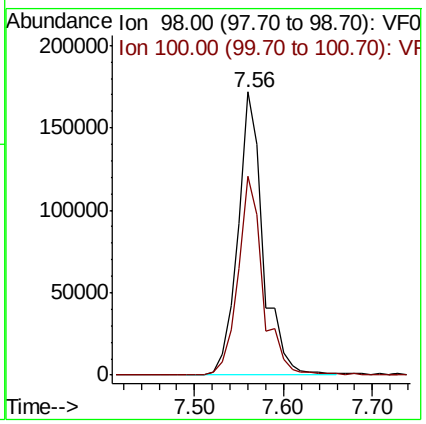


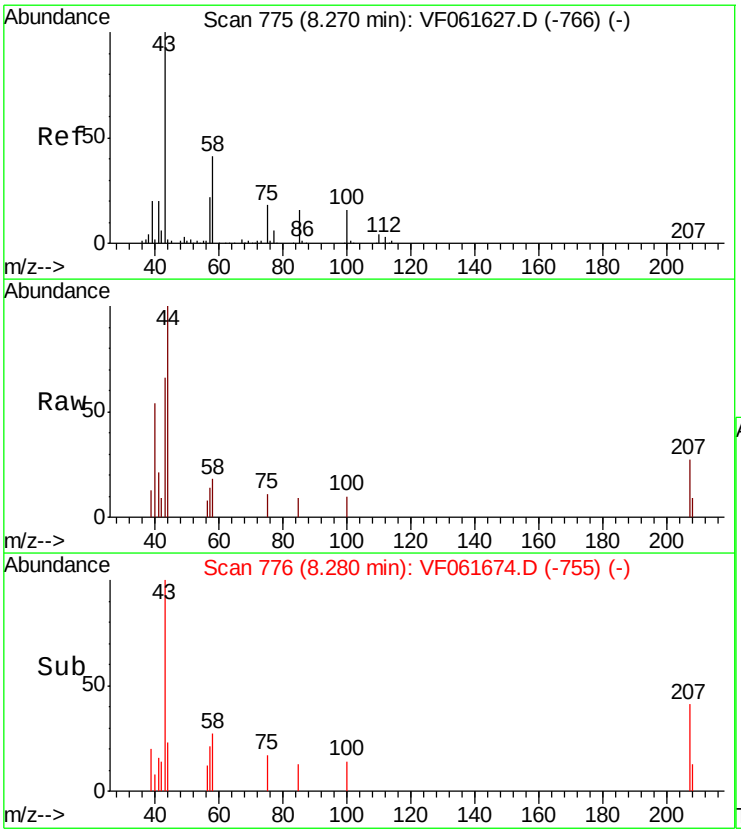

#50
Toluene-d8
Concen:  38.957 ug/l
RT: 7.56 min  Scan# 703
Delta R.T.  0.00 min
Lab File:  VF061674.D
Acq: 18 Feb 2019  13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 98 Resp:  336581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 70.2 | 55.4 | 83.2 |

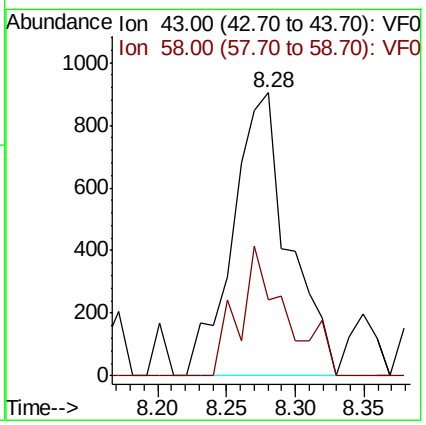


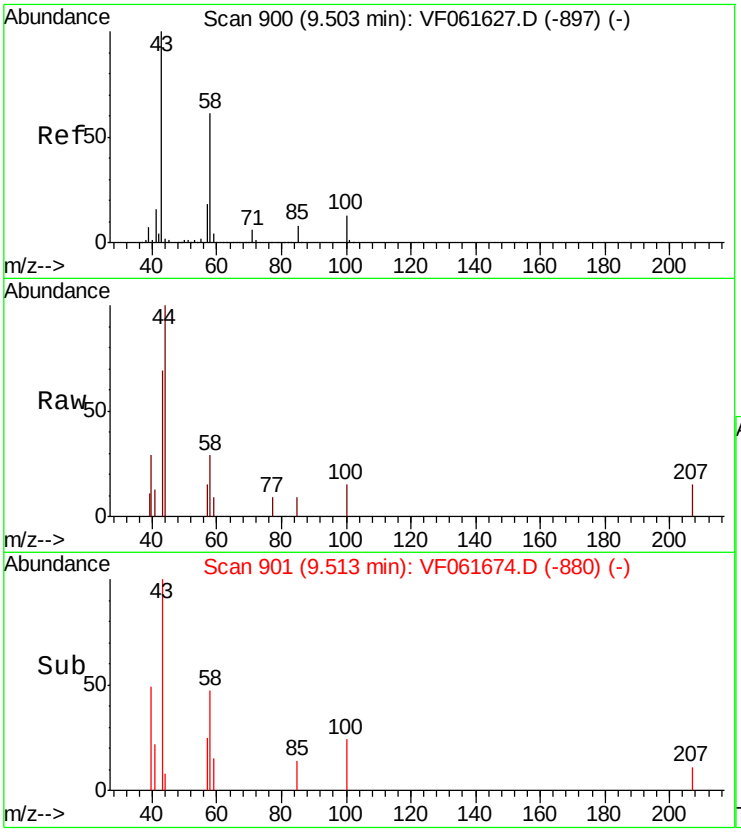




#51
4-Methyl-2-Pentanone
Concen:  1.626 ug/l
RT: 8.28 min  Scan# 776
Delta R.T.  0.01 min
Lab File:  VF061674.D
Acq: 18 Feb 2019  13:08

Tgt Ion: 43 Resp:  2561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.8 | 33.1 | 49.7# |



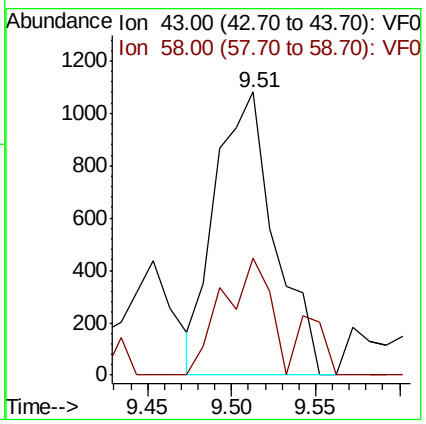


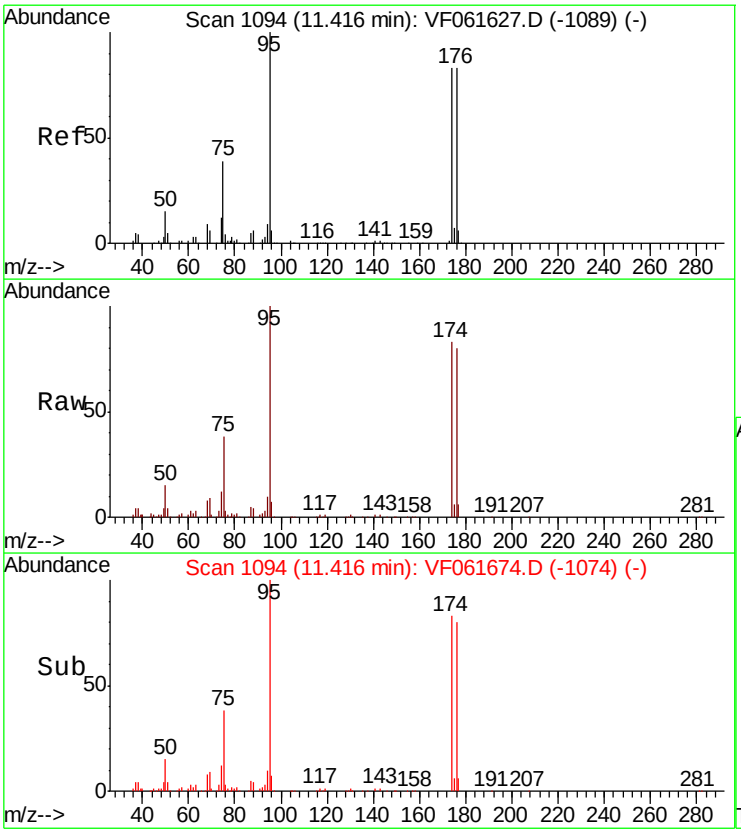

#59
2-Hexanone
Concen: 2.391 ug/l
RT: 9.51 min Scan# 901
Delta R.T. 0.01 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 43 Resp: 2640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.5 | 28.5 | 85.5 |

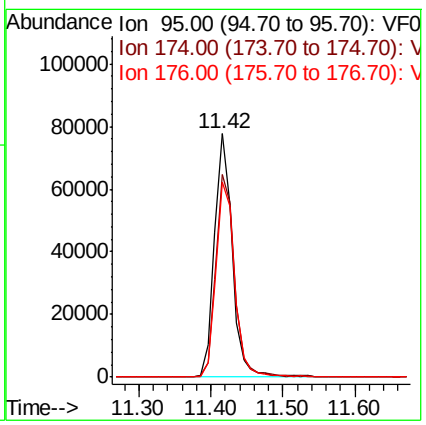


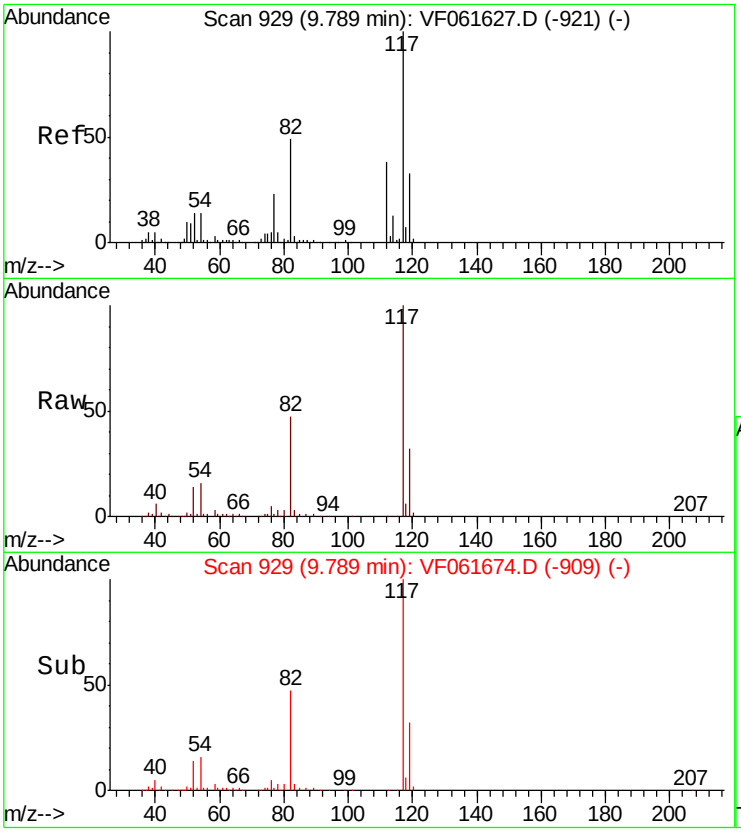




#62
4-Bromofluorobenzene
Concen: 37.593 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion: 95 Resp: 131419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.3 | 0.0 | 165.8 |
| 176 | 80.1 | 0.0 | 167.0 |



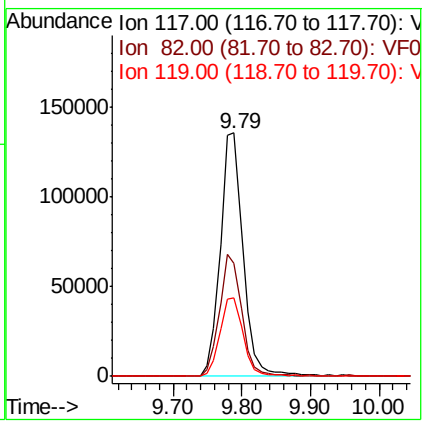


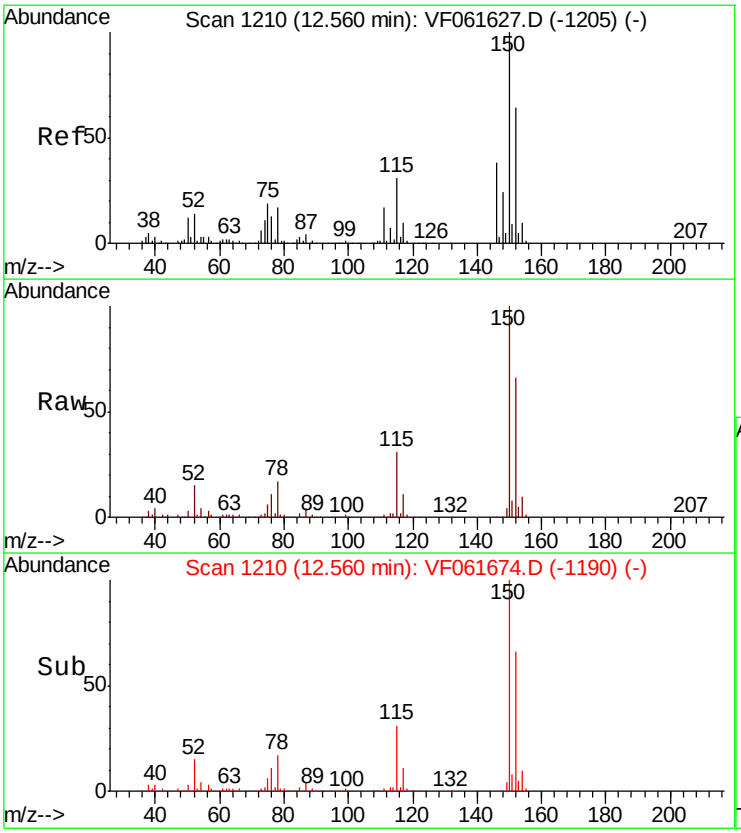

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion:117 Resp: 312611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 46.5 | 39.3 | 58.9 |
| 119 | 32.0 | 26.6 | 40.0 |

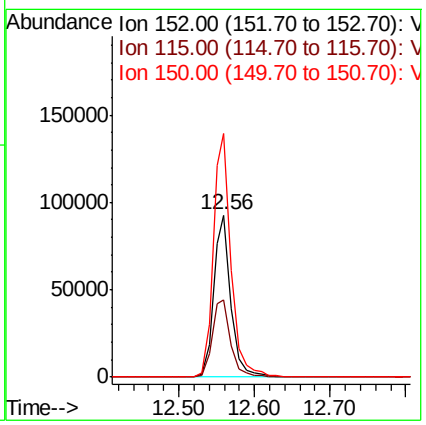


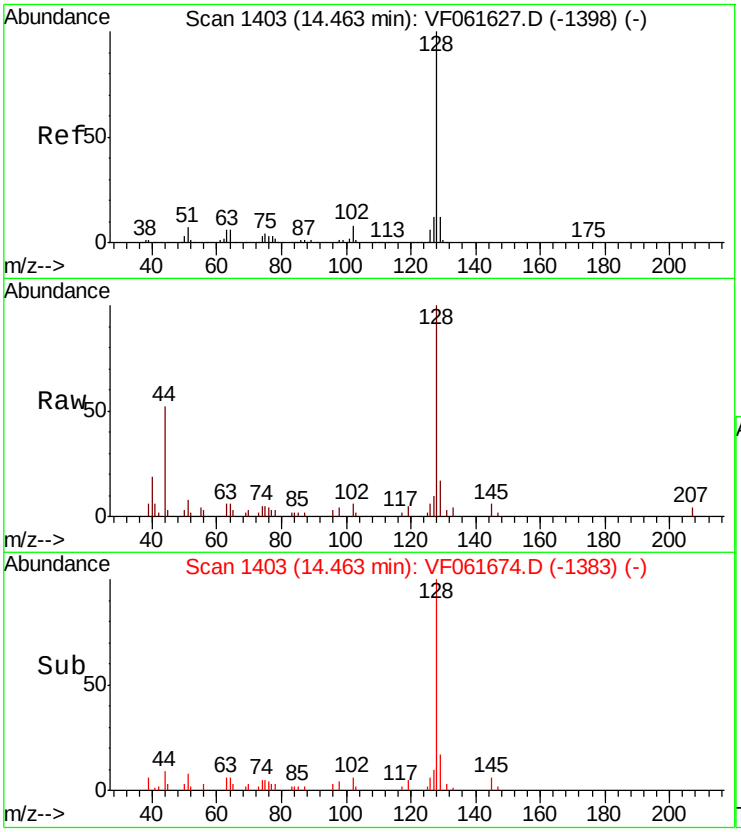




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

Tgt Ion:152 Resp: 147950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 47.3 | 24.3 | 72.8 |
| 150 | 150.4 | 0.0 | 312.0 |






#95
Naphthalene
Concen: 1.170 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF061674.D
Acq: 18 Feb 2019 13:08

**Instrument :**
MSVOA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion:128 Resp: 7083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 9.5 | 9.8 | 14.6# |
| 129 | 16.8 | 9.4 | 14.2# |