Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021219\
Data File : VF061604.D
Acq On : 12 Feb 2019 12:51
Operator : VA/AP
Sample : VF0212SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Quant Time: Feb 13 02:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.84 | 168 | 166437 | 50.00 | ug/l | -0.02 |
| 34) 1,4-Difluorobenzene | 5.57 | 114 | 290782 | 50.00 | ug/l | -0.02 |
| 63) Chlorobenzene-d5 | 9.75 | 117 | 269364 | 50.00 | ug/l | -0.01 |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152 | 147896 | 50.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.82 | 65 | 102440 | 49.85 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 99.70% | | | |
| 35) Dibromofluoromethane | 4.08 | 113 | 118597 | 51.69 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 103.38% | | | |
| 50) Toluene-d8 | 7.53 | 98 | 296369 | 47.14 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 94.28% | | | |
| 62) 4-Bromofluorobenzene | 11.39 | 95 | 150205 | 51.14 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 102.28% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acrolein | 2.02 | 56 | 294 | 14.099 | ug/l | 90 |
| 14) Allyl chloride | 2.05 | 41 | 492 | Below Cal | # | 67 |
| 15) Acrylonitrile | 2.92 | 53 | 907 | 4.071 | ug/l | 95 |
| 16) Acetone | 2.22 | 43 | 4716 | 11.440 | ug/l | 94 |
| 18) Methyl Acetate | 2.37 | 43 | 2751 | 3.365 | ug/l # | 61 |
| 23) Vinyl Acetate | 3.19 | 43 | 292 | 3.318 | ug/l # | 78 |
| 25) 2-Butanone | 4.31 | 43 | 1462 | 2.133 | ug/l # | 57 |
| 29) Tetrahydrofuran | 4.06 | 42 | 382 | 1.294 | ug/l # | 38 |
| 49) 1,4-Dioxane | 6.59 | 88 | 88 | Below Cal | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.25 | 43 | 2555 | 2.055 | ug/l # | 64 |
| 58) 2-Chloroethyl Vinyl ether | 7.28 | 63 | 562 | 30.440 | ug/l | 95 |
| 59) 2-Hexanone | 9.48 | 43 | 3158 | 3.642 | ug/l | 89 |
| 74) N-amyl acetate | 11.35 | 43 | 3616 | 1.271 | ug/l # | 92 |
| 95) Naphthalene | 14.45 | 128 | 7142 | 1.129 | ug/l | 97 |

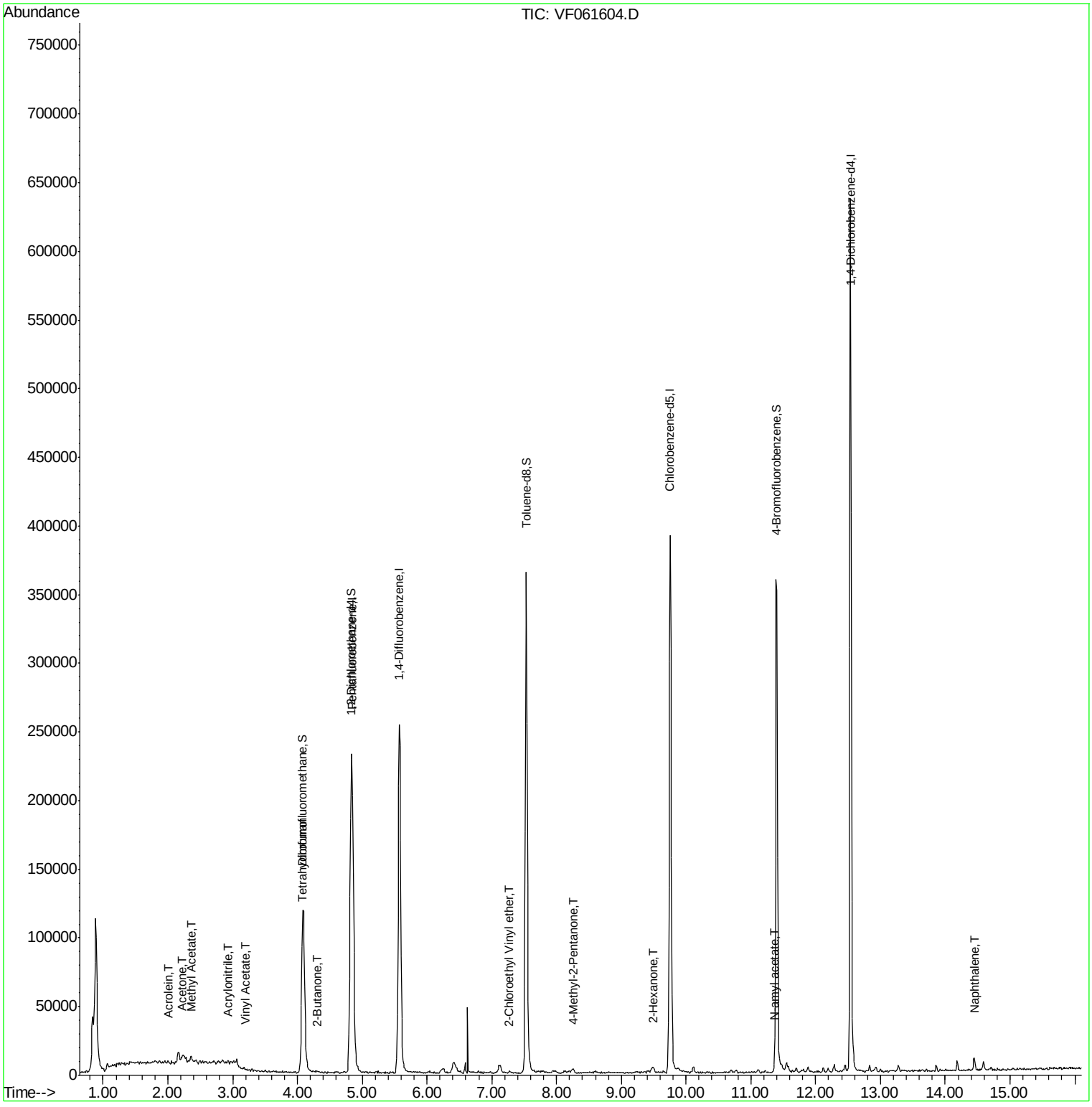
(#) = qualifier out of range (m) = manual integration (+) = signals summed

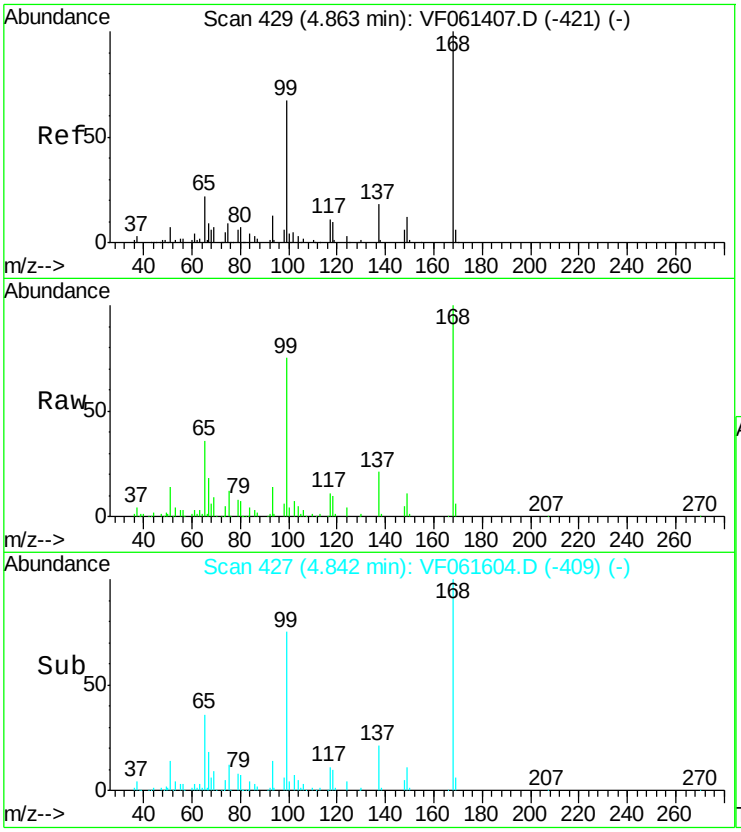
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021219\
Data File : VF061604.D
Acq On : 12 Feb 2019 12:51
Operator : VA/AP
Sample : VF0212SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Quant Time: Feb 13 02:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration



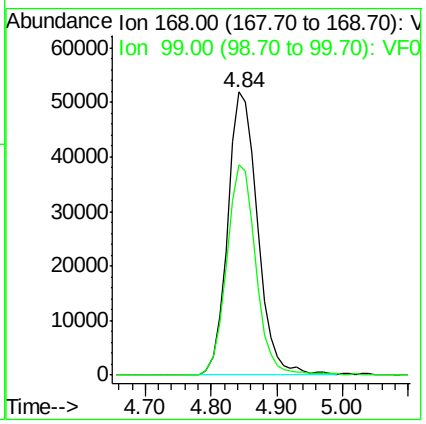


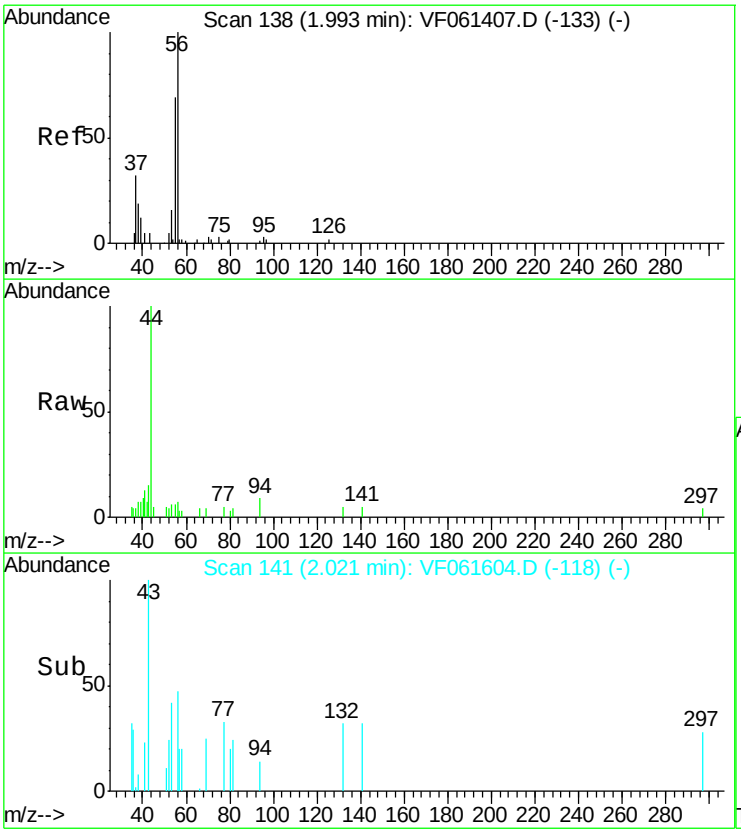

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.02 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0212SBL01

Tgt Ion:168 Resp: 166437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 74.5 | 53.5 | 80.3 |

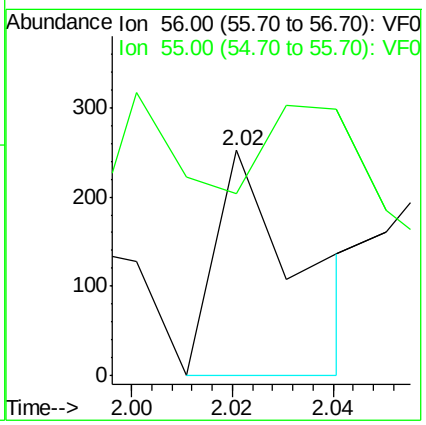


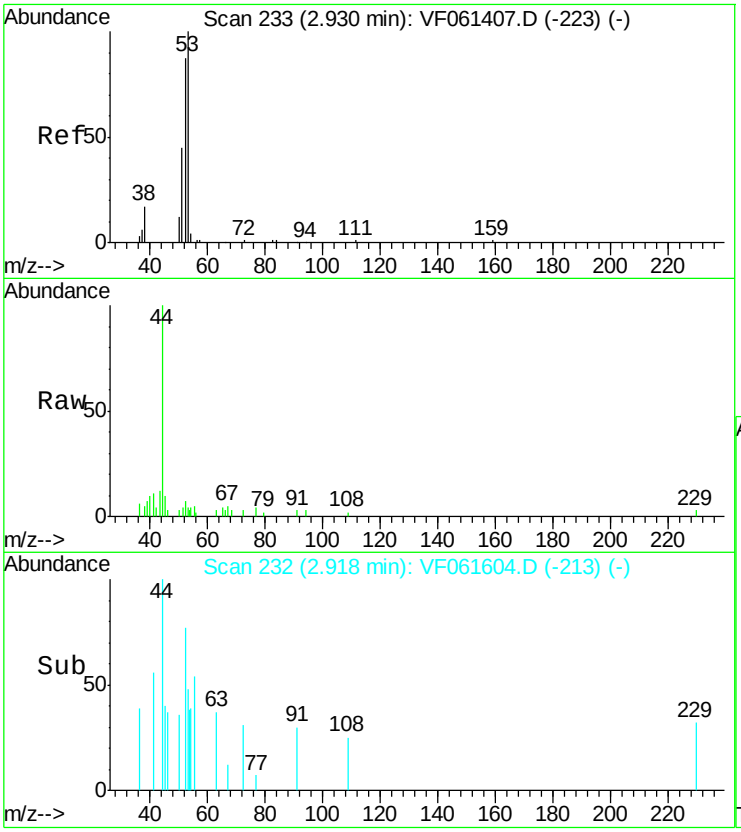




#13
Acrolein
Concen: 14.099 ug/l
RT: 2.02 min Scan# 141
Delta R.T. 0.03 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 56 Resp: 294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.6 | 57.5 | 86.3 |



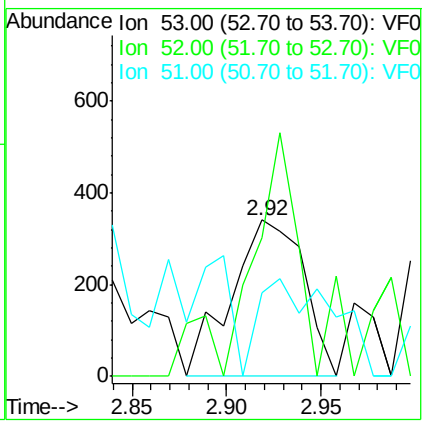


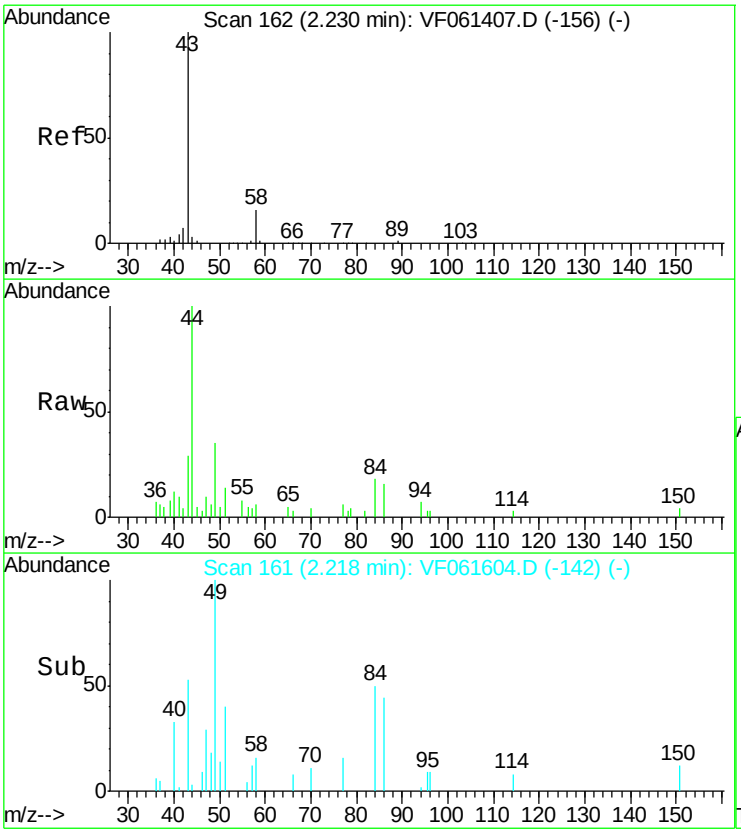

#15
Acrylonitrile
Concen: 4.071 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Tgt Ion: 53 Resp: 907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 89.1 | 69.6 | 104.4 |
| 51 | 53.2 | 36.8 | 55.2 |

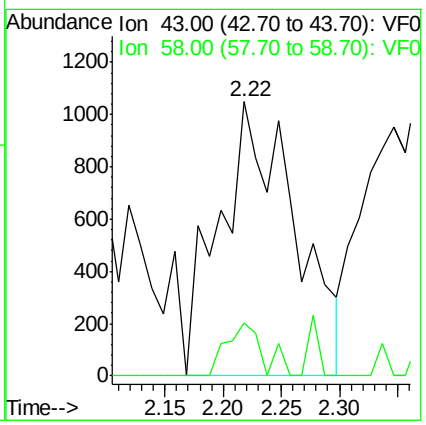


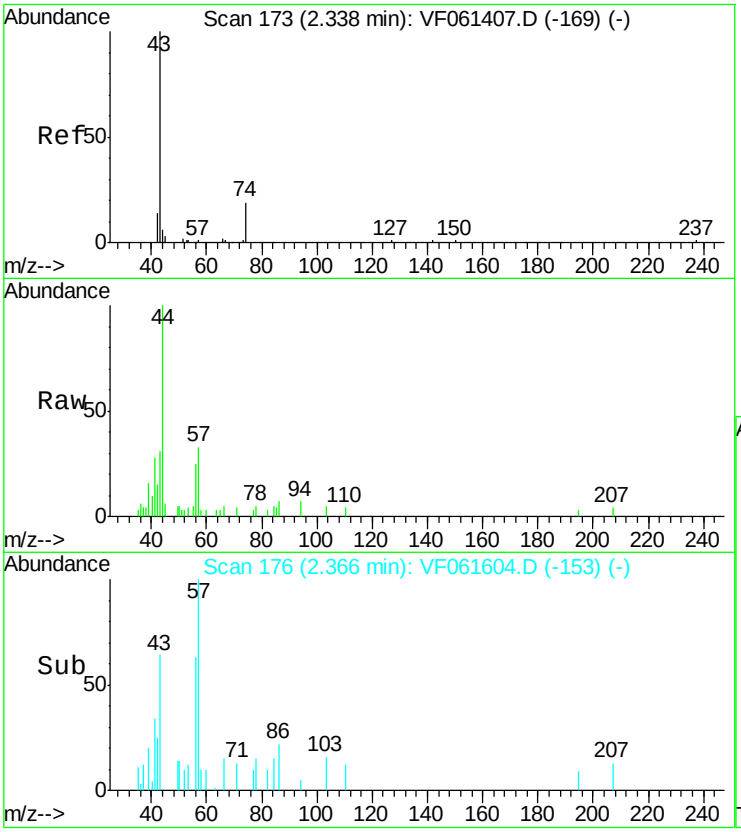




#16
Acetone
Concen: 11.440 ug/l
RT: 2.22 min Scan# 161
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 43 Resp: 4716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.2 | 13.3 | 19.9 |



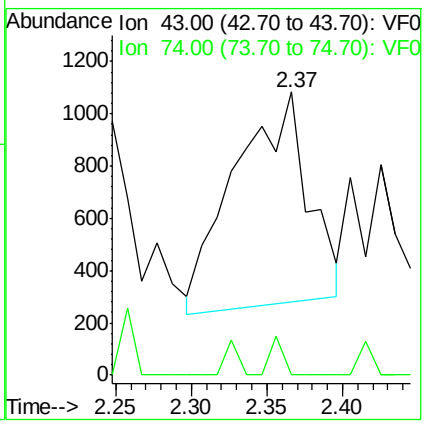


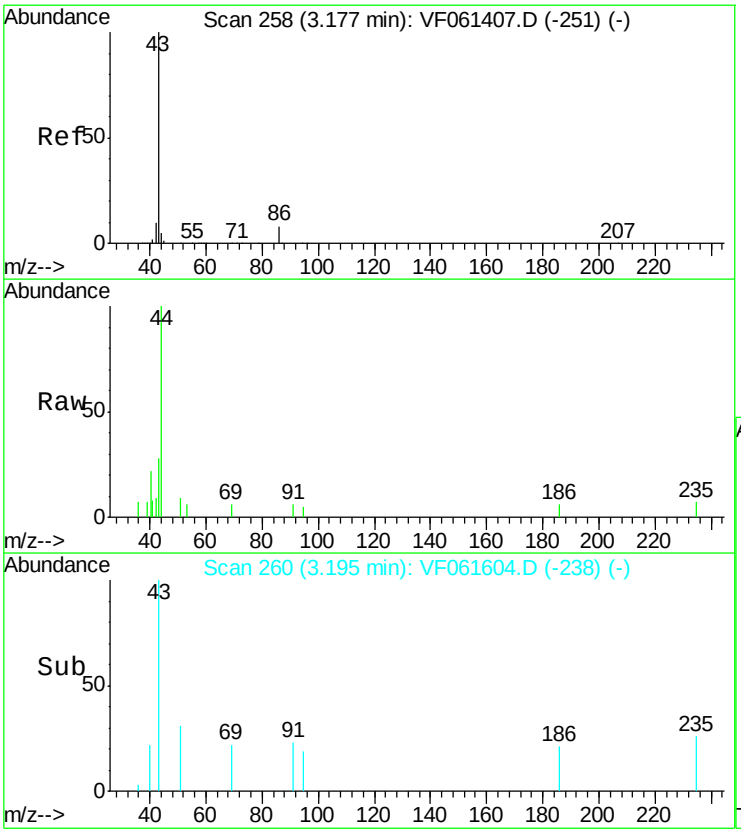

#18
Methyl Acetate
Concen: 3.365 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.03 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Tgt Ion: 43 Resp: 2751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 13.4 | 20.0# |

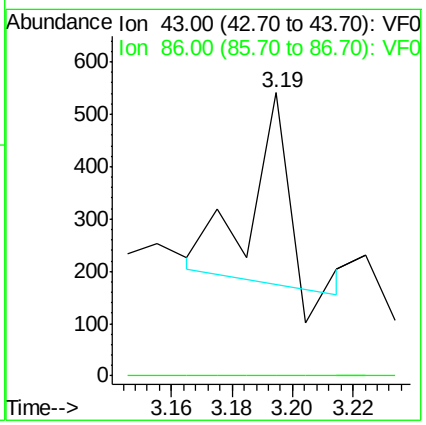


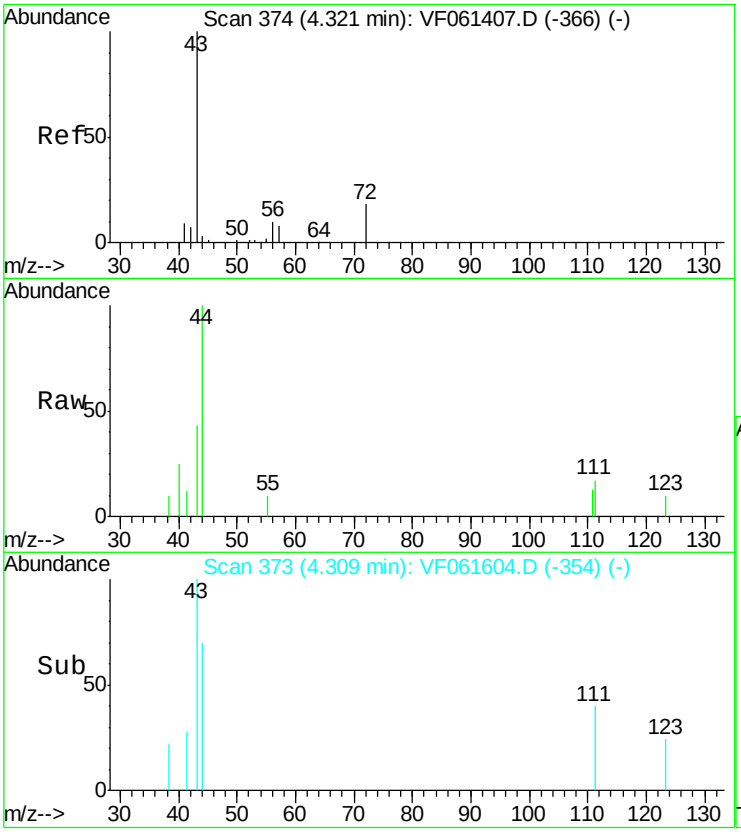




#23
Vinyl Acetate
Concen: 3.318 ug/l
RT: 3.19 min Scan# 260
Delta R.T. 0.02 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 43 Resp: 292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 0.0 | 6.2 | 9.4# |



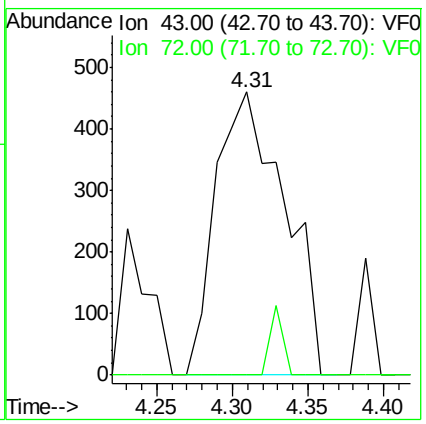


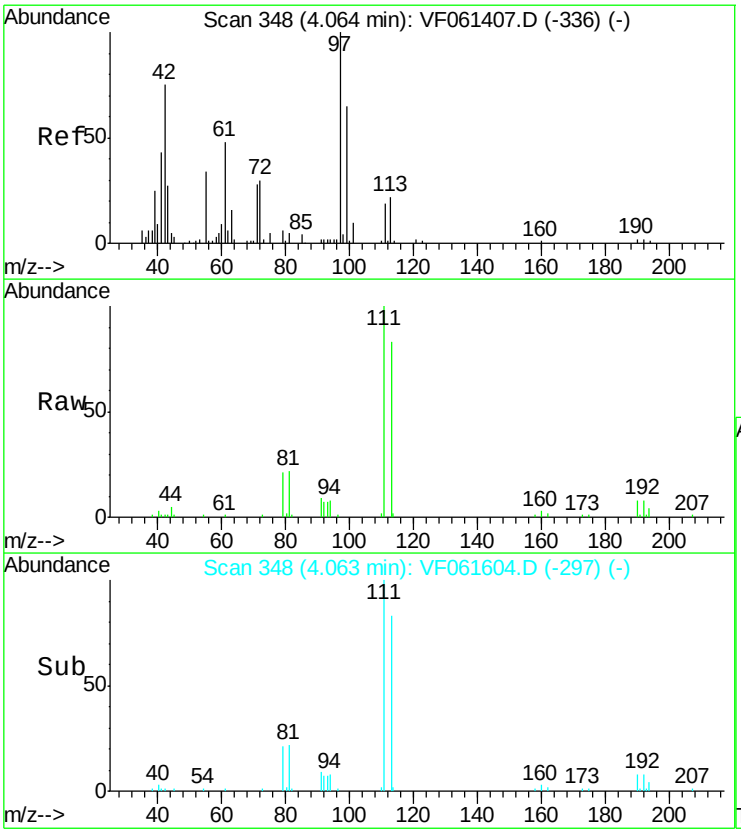

#25
2-Butanone
Concen: 2.133 ug/l
RT: 4.31 min Scan# 373
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0212SBL01

Tgt Ion: 43 Resp: 1462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 15.8 | 23.6# |

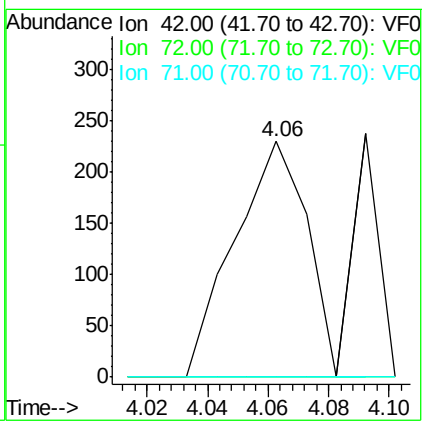


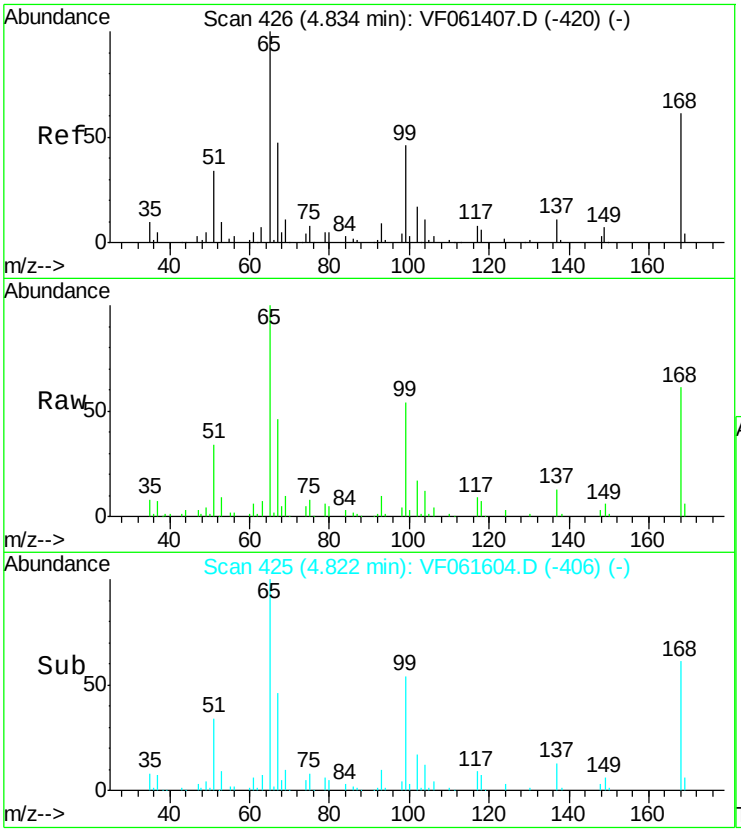




#29
Tetrahydrofuran
Concen: 1.294 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.00 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 42 Resp: 382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 28.9 | 43.3# |
| 71 | 0.0 | 29.6 | 44.4# |



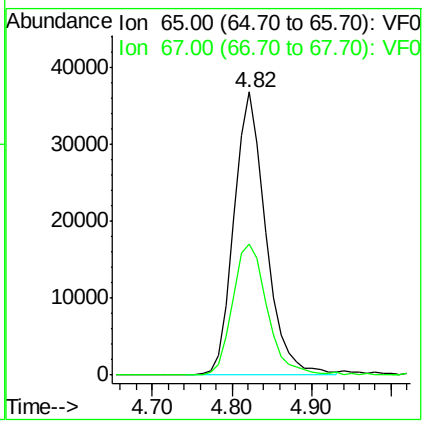


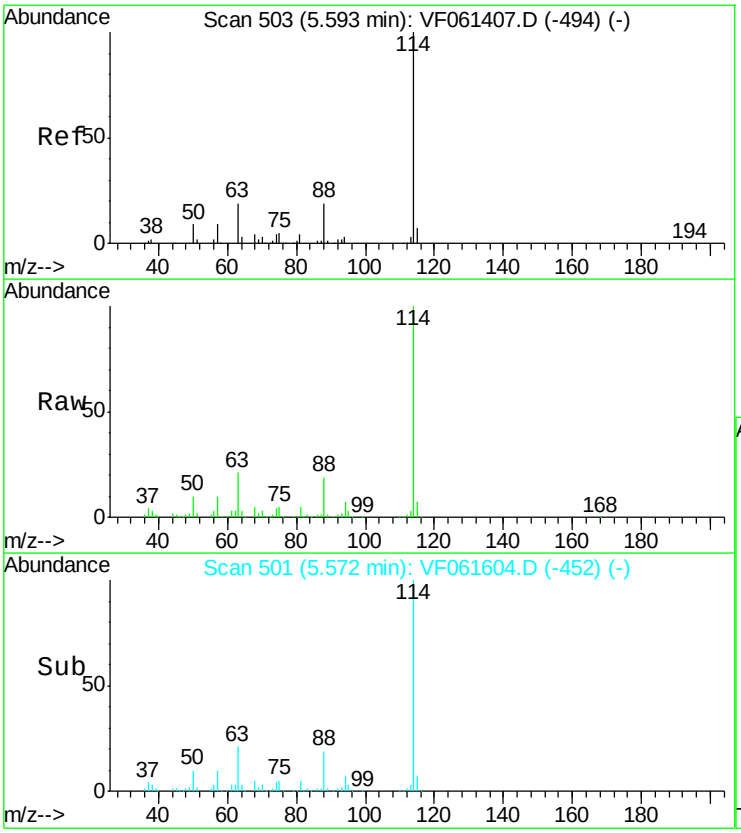

#33
1,2-Dichloroethane-d4
Concen: 49.852 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Tgt Ion: 65 Resp: 102440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 46.1 | 0.0 | 99.8 |

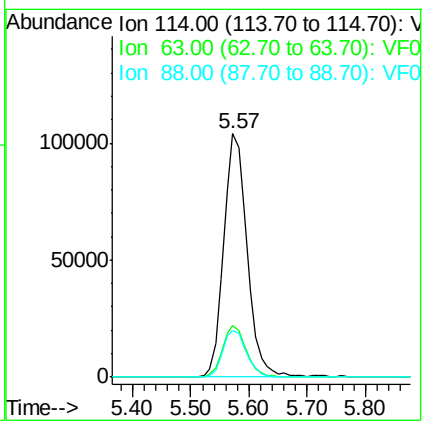


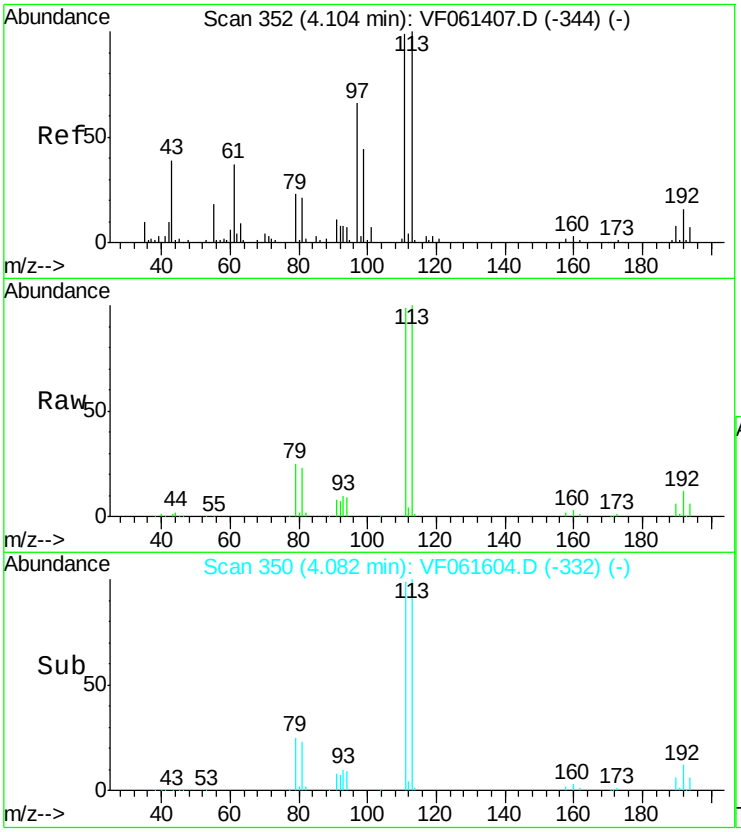




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.57 min Scan# 501
Delta R.T. -0.02 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion:114 Resp: 290782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 39.0 |
| 88 | 19.0 | 0.0 | 37.4 |



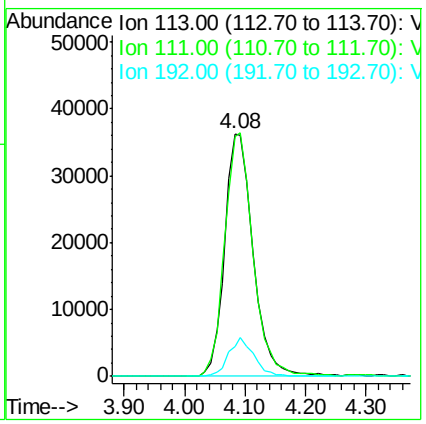


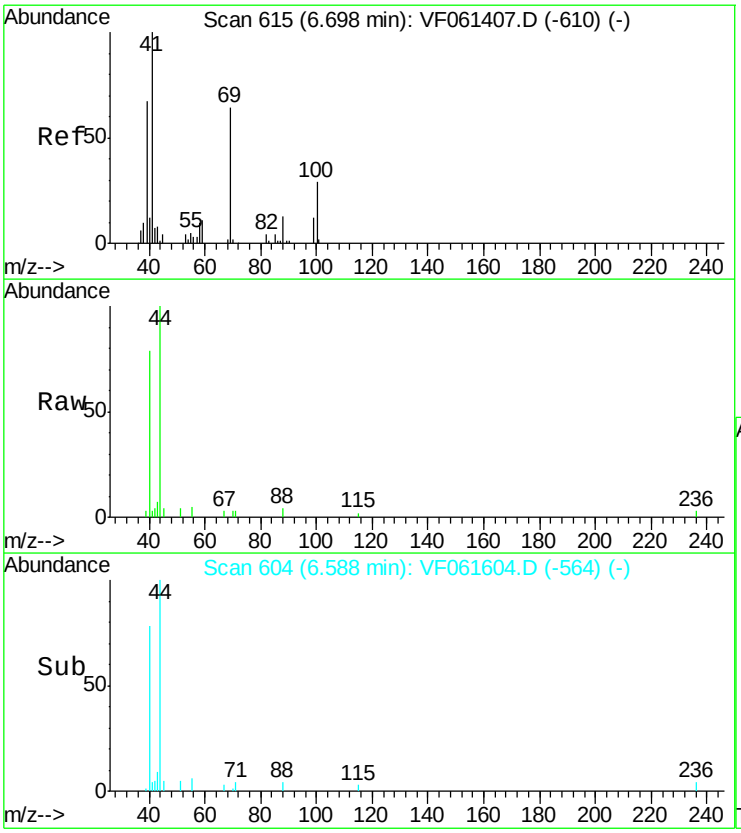

#35
Dibromofluoromethane
Concen: 51.687 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0212SBL01

Tgt Ion:113 Resp: 118597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.0 | 79.4 | 119.0 |
| 192 | 12.8 | 12.4 | 18.6 |

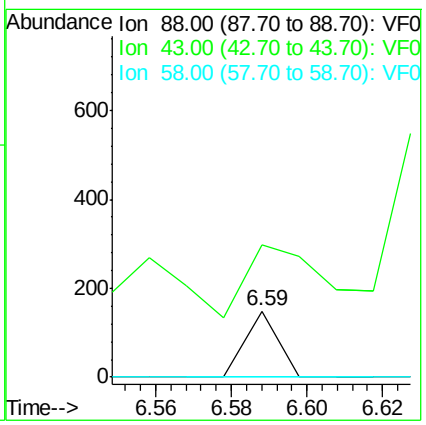


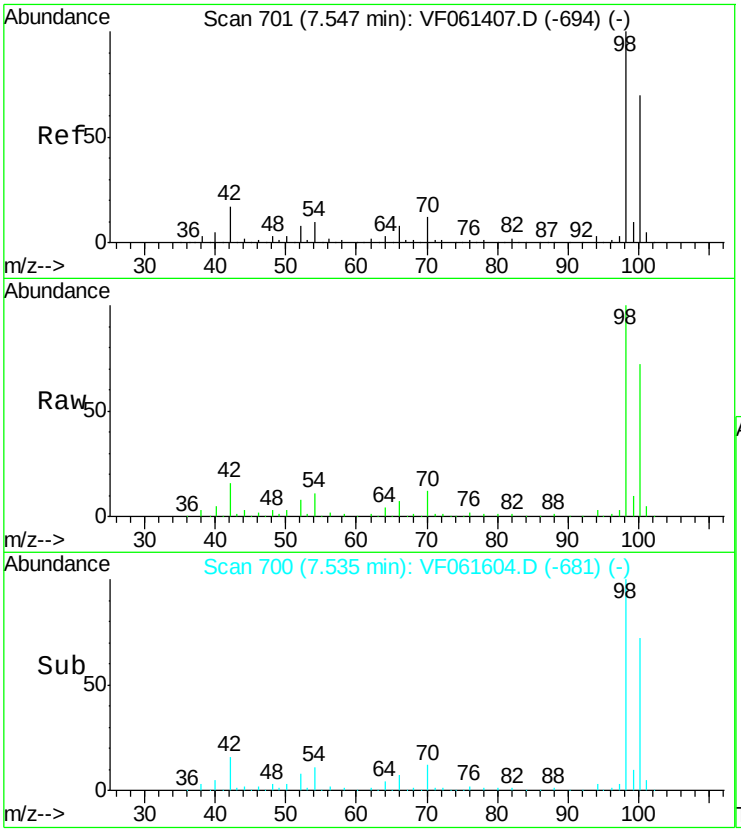




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.59 min Scan# 604
Delta R.T. -0.11 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 88 Resp: 88

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 199.3 | 55.5 | 83.3# |
| 58 | 0.0 | 59.9 | 89.9# |



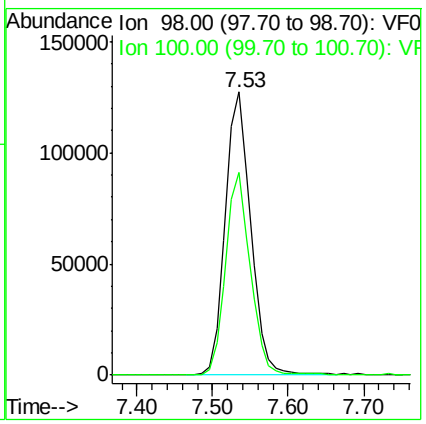


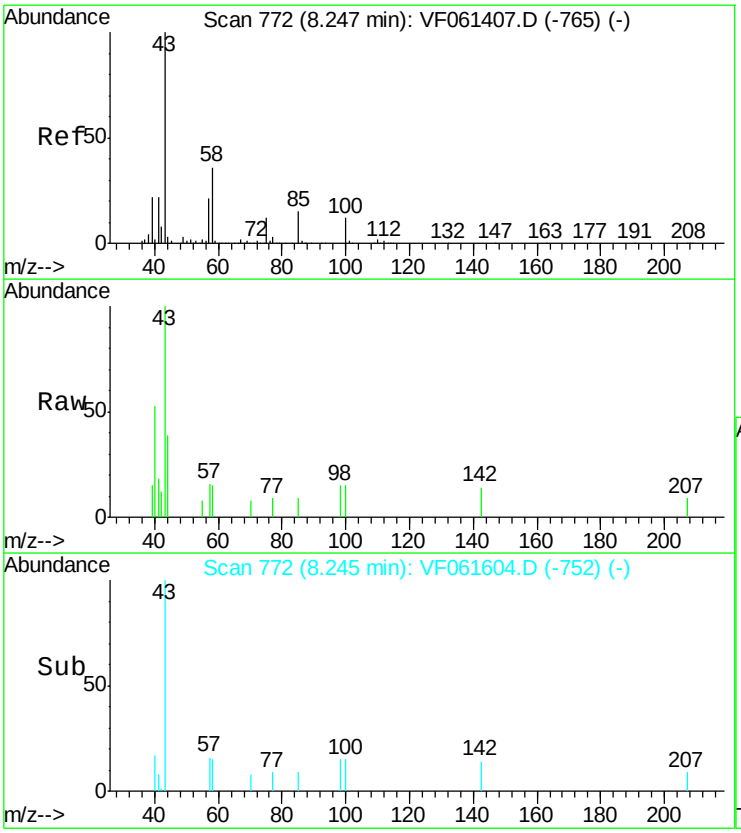

#50
Toluene-d8
Concen: 47.143 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Tgt Ion: 98 Resp: 296369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 71.8 | 55.6 | 83.4 |

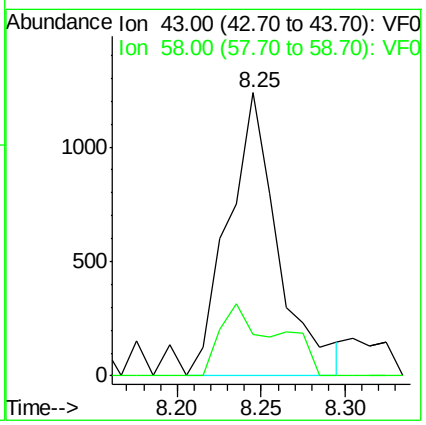


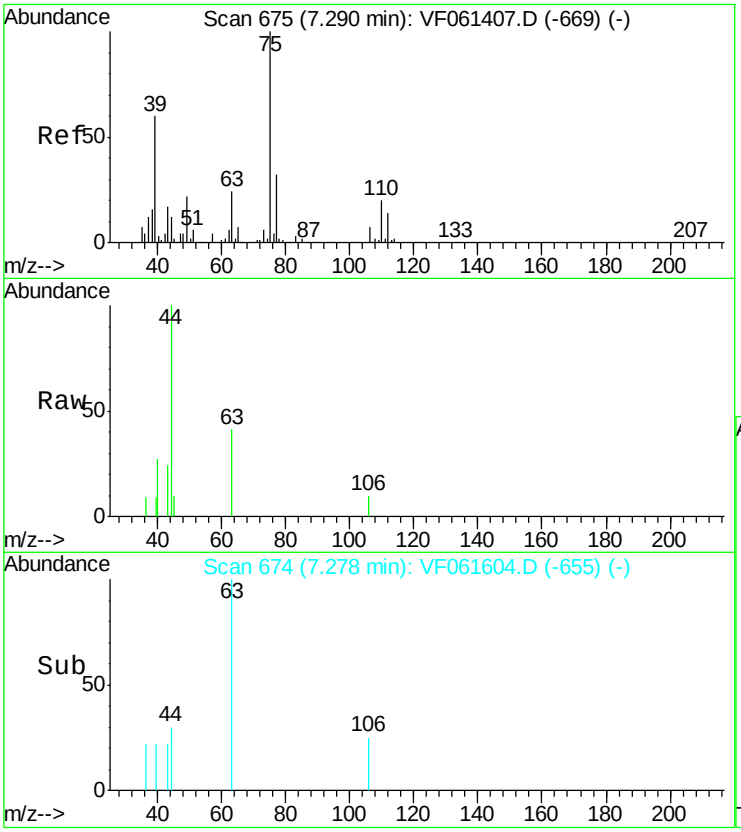




#51
4-Methyl-2-Pentanone
Concen: 2.055 ug/l
RT: 8.25 min Scan# 772
Delta R.T. -0.00 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 43 Resp: 2555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.9 | 28.8 | 43.2# |



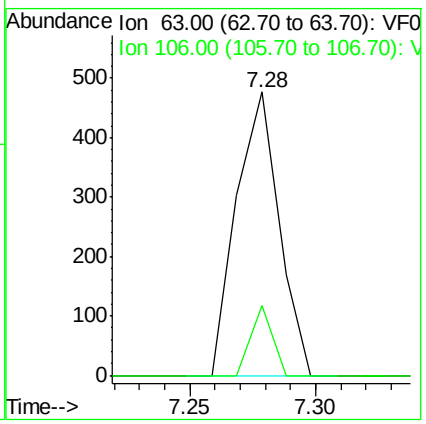


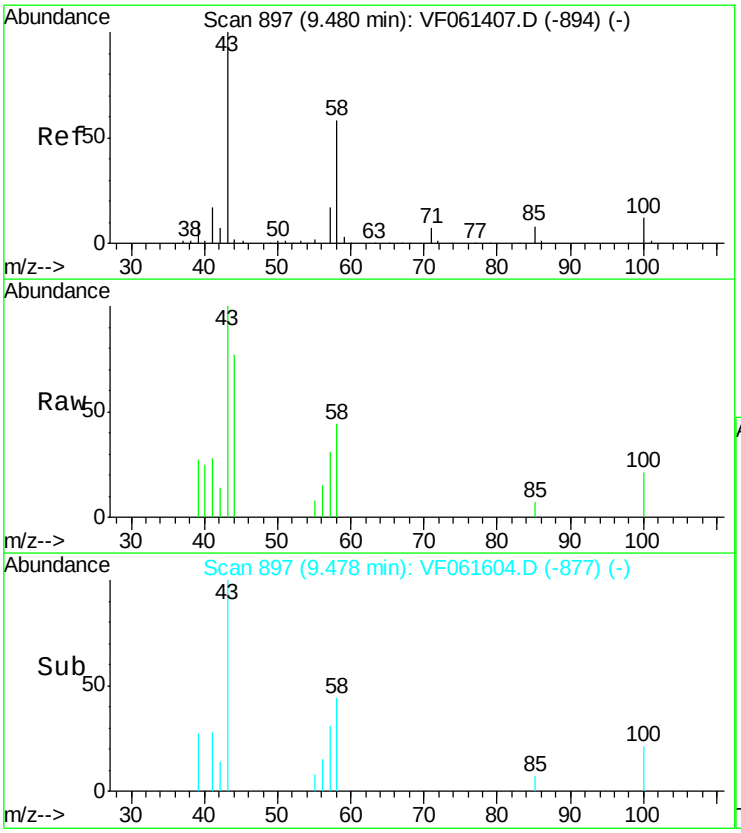

#58
2-Chloroethyl Vinyl ether
Concen: 30.440 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0212SBL01

Tgt Ion: 63 Resp: 562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.7 | 21.9 | 32.9 |

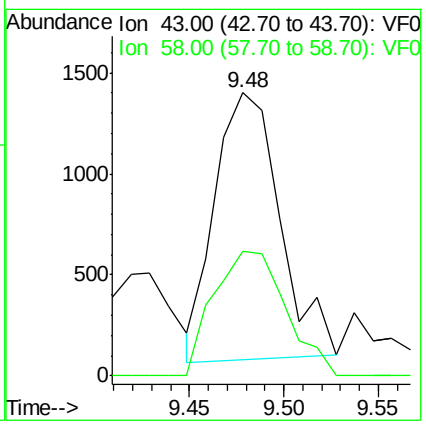


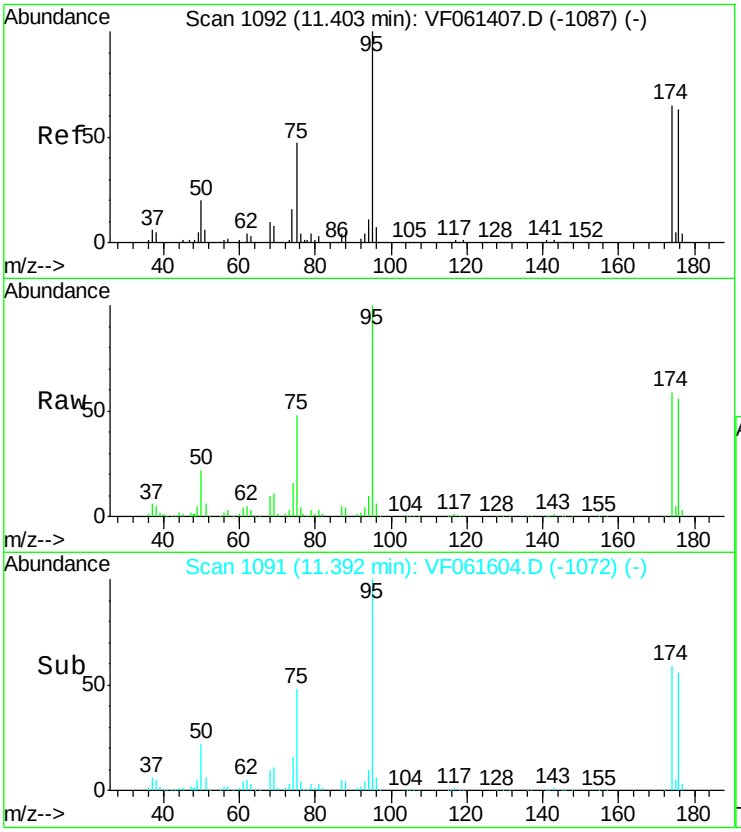




#59
2-Hexanone
Concen: 3.642 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.00 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 43 Resp: 3158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.3 | 25.9 | 77.6 |



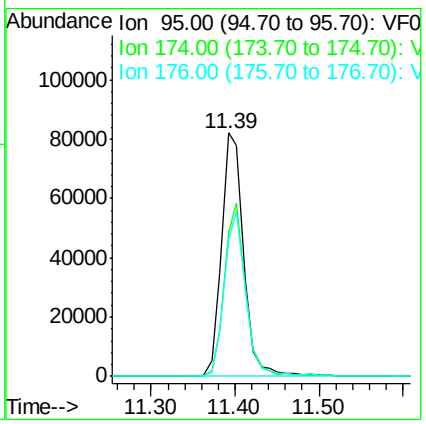


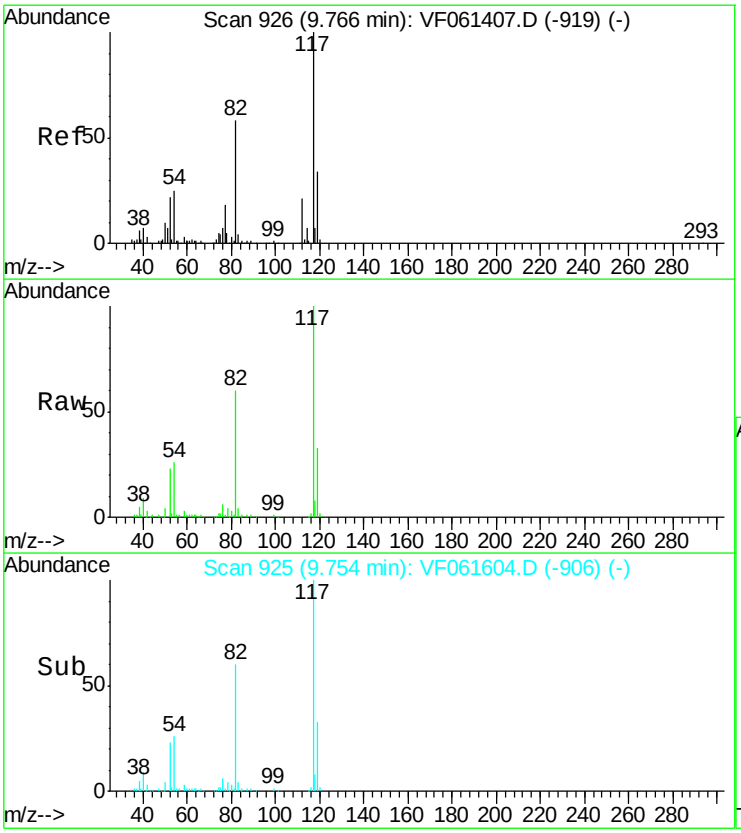

#62
4-Bromofluorobenzene
Concen: 51.138 ug/l
RT: 11.39 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Tgt Ion: 95 Resp: 150205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 59.1 | 0.0 | 130.4 |
| 176 | 56.3 | 0.0 | 126.2 |

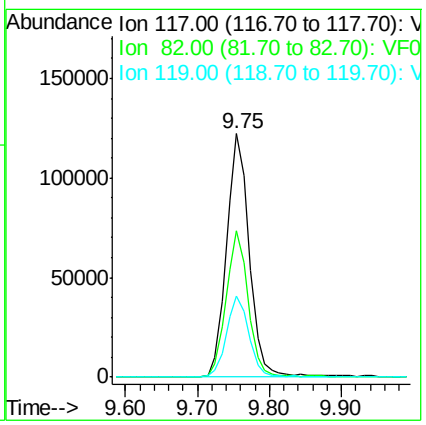


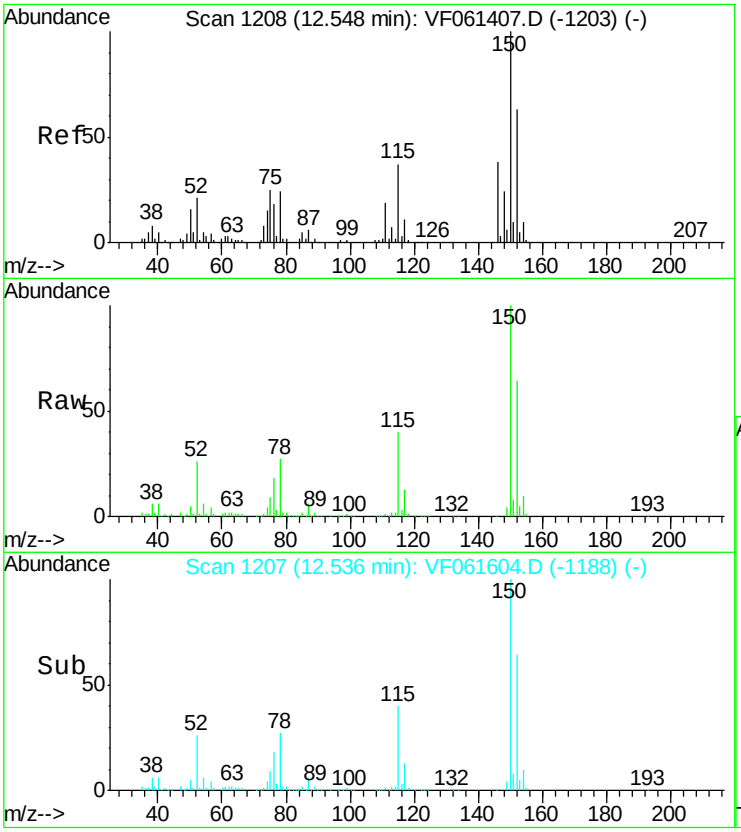




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion:117 Resp: 269364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.0 | 46.4 | 69.6 |
| 119 | 33.2 | 27.2 | 40.8 |



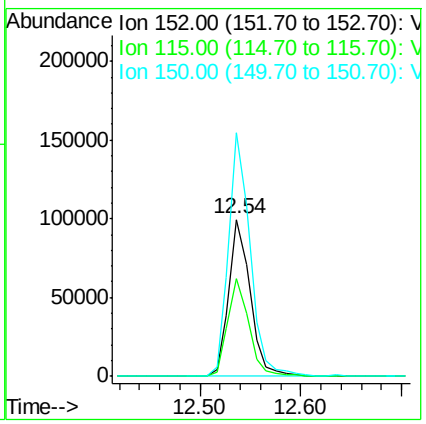


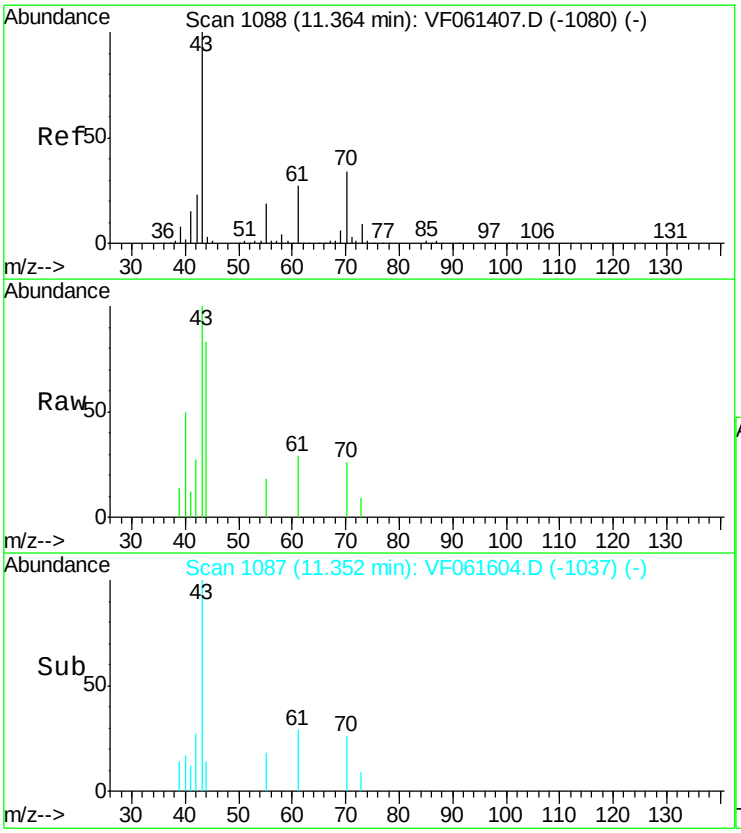

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :** MSVOA_F
**ClientSampleId :** VF0212SBL01

Tgt Ion:152 Resp: 147896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.4 | 30.0 | 90.0 |
| 150 | 155.1 | 0.0 | 321.4 |

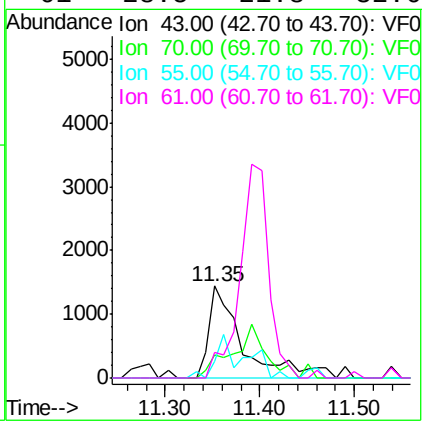


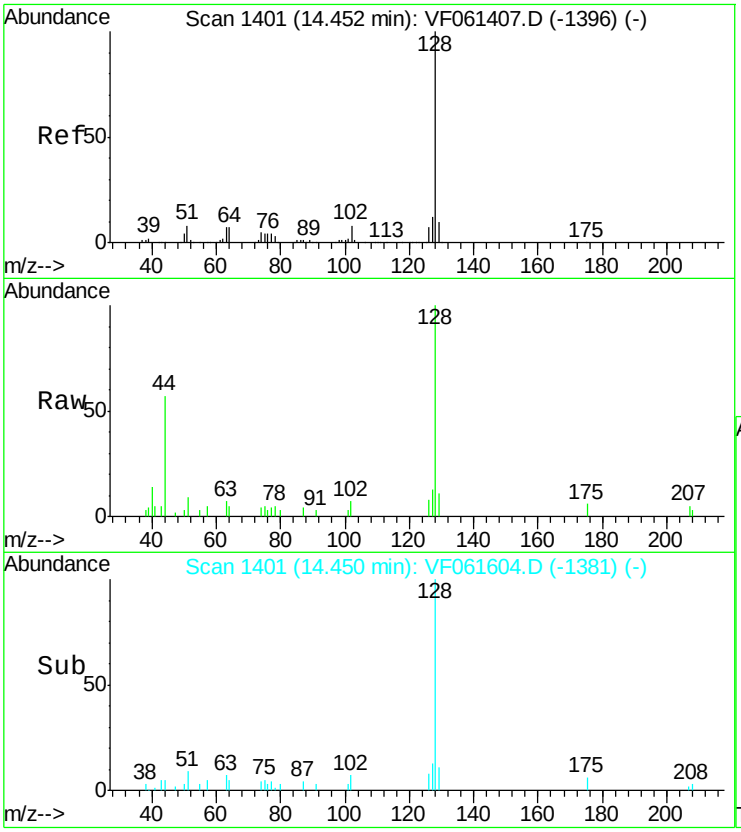




#74
N-amyl acetate
Concen: 1.271 ug/l
RT: 11.35 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

Tgt Ion: 43 Resp: 3616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 25.6 | 27.6 | 41.4# |
| 55 | 17.9 | 15.4 | 23.2 |
| 61 | 28.5 | 21.8 | 32.6 |






#95
Naphthalene
Concen: 1.129 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061604.D
Acq: 12 Feb 2019 12:51

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0212SBL01

Tgt Ion:128 Resp: 7142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 9.5 | 14.3 |
| 129 | 11.2 | 8.4 | 12.6 |