Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
Data File : VF061486.D
Acq On : 23 Jan 2019 16:46
Operator : VA/AP
Sample : K1223-04
Misc : 4.97g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Quant Time: Jan 24 02:55:49 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 | 4.87 | 168 | 153666 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.60 | 114 | 266033 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.77 | 117 | 174124 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152 | 54209 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.84 | 65 | 107777 | 56.81 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 113.62% | | | |
| 35) Dibromofluoromethane | 4.11 | 113 | 114458 | 54.52 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.04% | | | |
| 50) Toluene-d8 | 7.55 | 98 | 220022 | 38.25 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.50% | | | |
| 62) 4-Bromofluorobenzene | 11.41 | 95 | 71999 | 26.79 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 53.58% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acrolein | 2.08 | 56 | 191 | 12.984 | ug/l | 92 |
| 14) Allyl chloride | 2.09 | 41 | 439 | Below Cal | # | 62 |
| 15) Acrylonitrile | 2.91 | 53 | 257 | 1.249 | ug/l # | 24 |
| 16) Acetone | 2.23 | 43 | 27662 | 72.680 | ug/l | 96 |
| 18) Methyl Acetate | 2.34 | 43 | 2153 | 2.852 | ug/l # | 89 |
| 20) Methylene Chloride | 2.17 | 84 | 2069 | Below Cal | | 95 |
| 23) Vinyl Acetate | 3.16 | 43 | 397 | 3.377 | ug/l # | 78 |
| 25) 2-Butanone | 4.32 | 43 | 87748 | 138.639 | ug/l | 94 |
| 29) Tetrahydrofuran | 4.07 | 42 | 450 | 1.651 | ug/l # | 38 |
| 51) 4-Methyl-2-Pentanone | 8.26 | 43 | 3267 | 2.872 | ug/l # | 64 |
| 58) 2-Chloroethyl Vinyl ether | 7.28 | 63 | 72 | 27.927 | ug/l # | 47 |
| 59) 2-Hexanone | 9.48 | 43 | 2734 | 3.446 | ug/l | 78 |
| 86) p-Isopropyltoluene | 12.46 | 119 | 11803 | 2.875 | ug/l | 93 |
| 95) Naphthalene | 14.45 | 128 | 3806 | 1.642 | ug/l # | 77 |

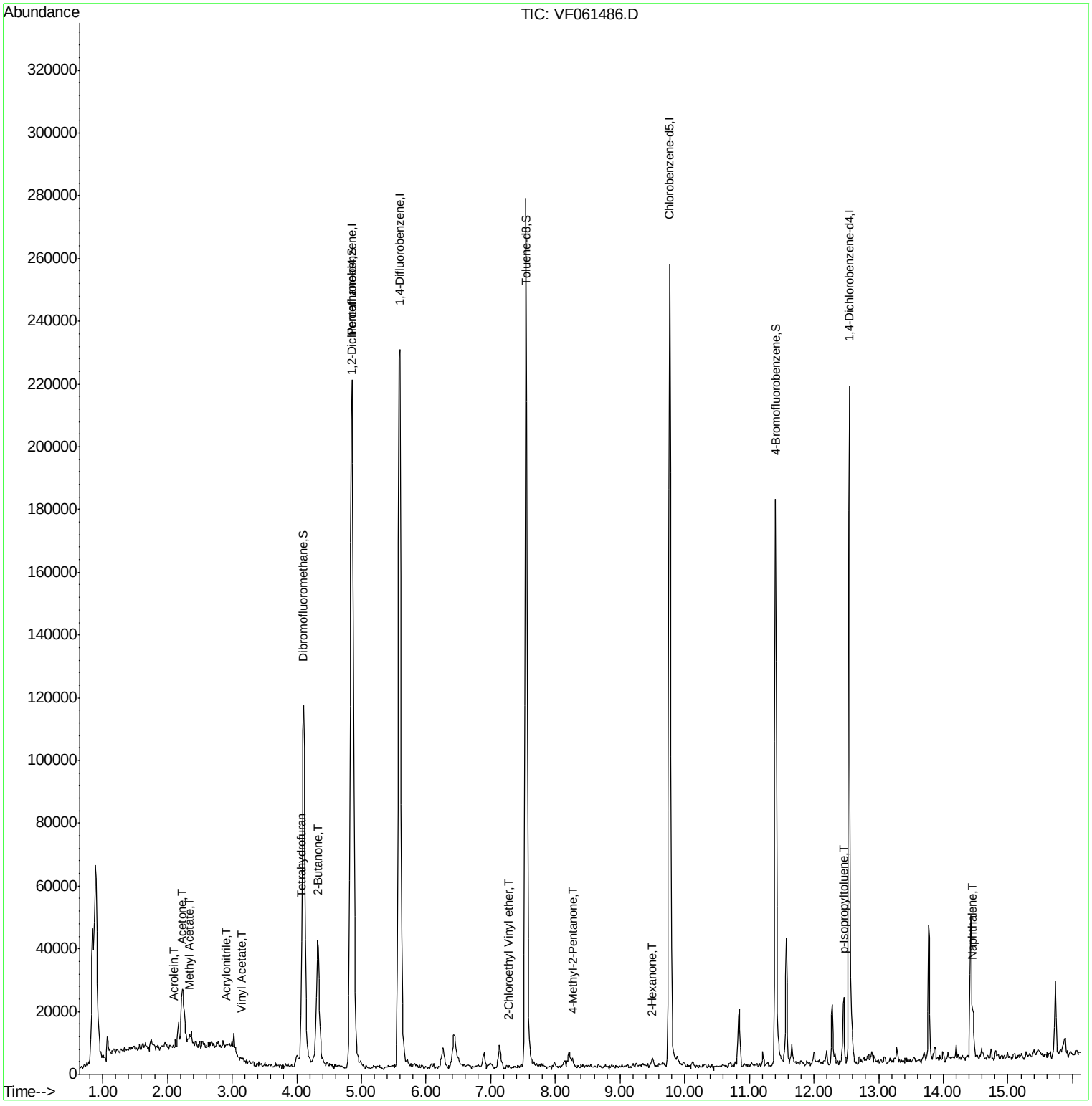
(#) = qualifier out of range (m) = manual integration (+) = signals summed

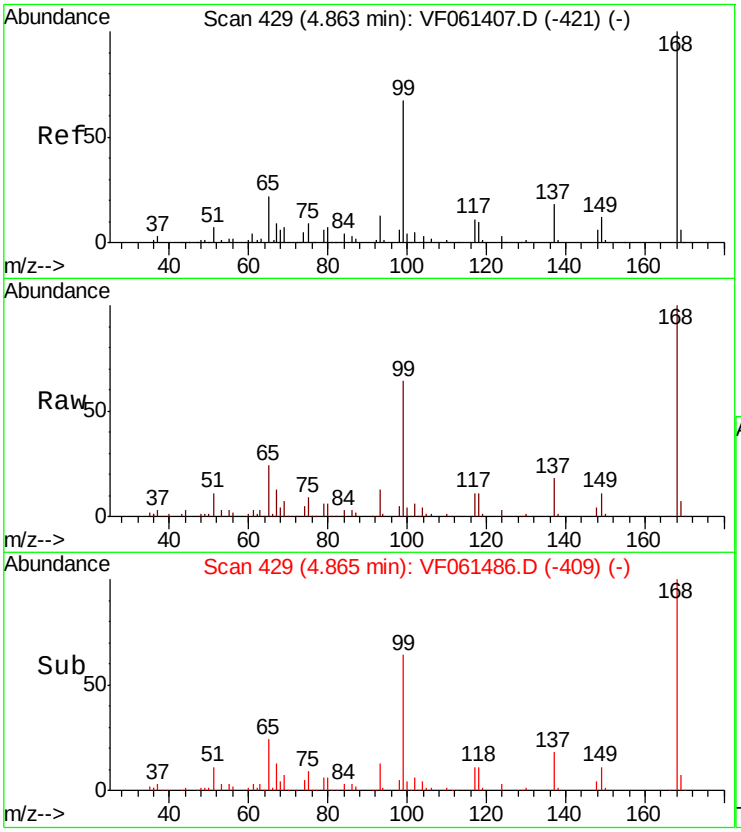
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF012319\
Data File : VF061486.D
Acq On : 23 Jan 2019 16:46
Operator : VA/AP
Sample : K1223-04
Misc : 4.97g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
TS-P

Quant Time: Jan 24 02:55:49 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



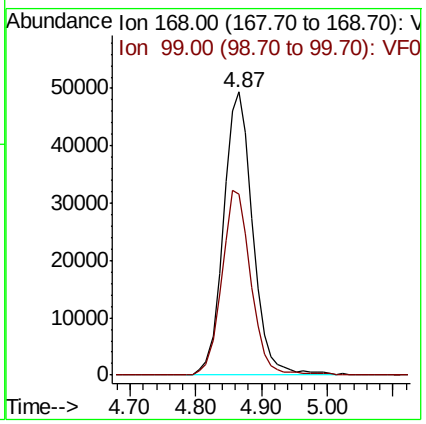


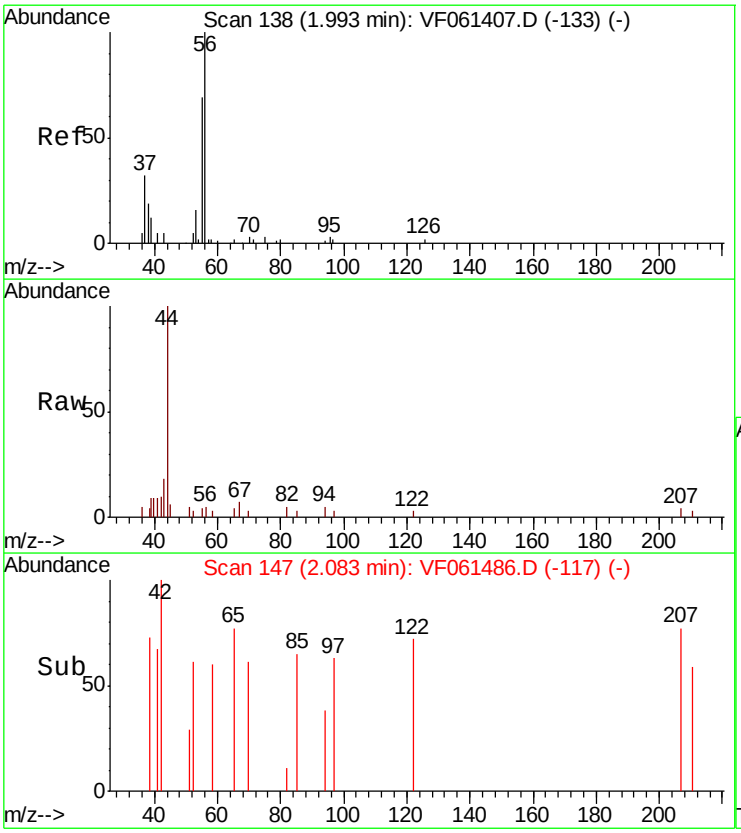

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 429
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :**
MSVOA_F
**ClientSampleId :**
TS-P

Tgt Ion:168 Resp: 153666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.1 | 53.5 | 80.3 |

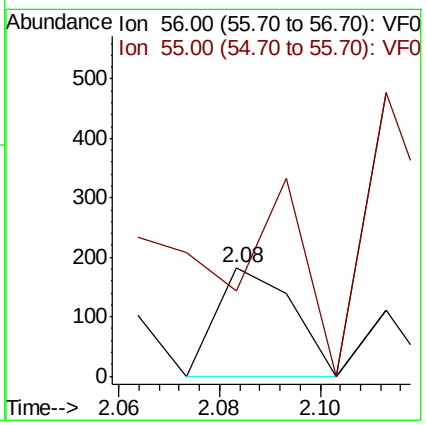


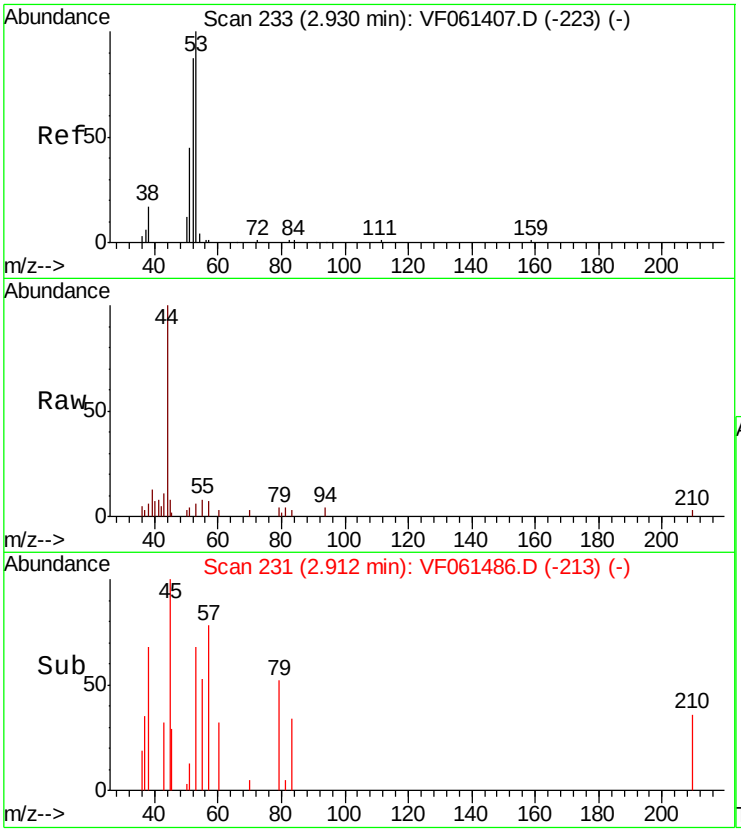




#13
Acrolein
Concen: 12.984 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.09 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 56 Resp: 191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 78.7 | 57.5 | 86.3 |



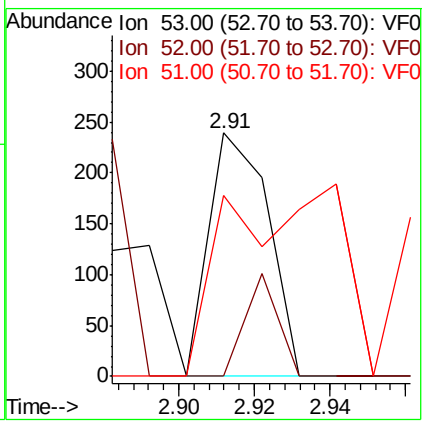


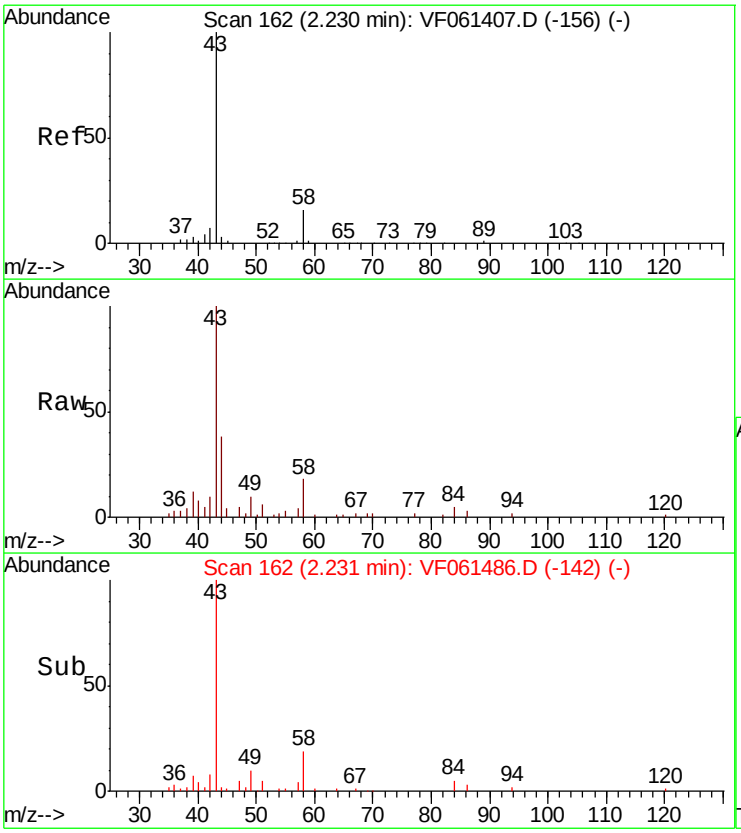

#15
Acrylonitrile
Concen: 1.249 ug/l
RT: 2.91 min Scan# 231
Delta R.T. -0.02 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Tgt Ion: 53 Resp: 257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 0.0 | 69.6 | 104.4# |
| 51 | 74.5 | 36.8 | 55.2# |

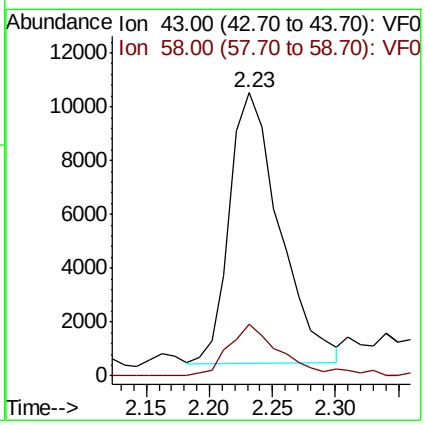


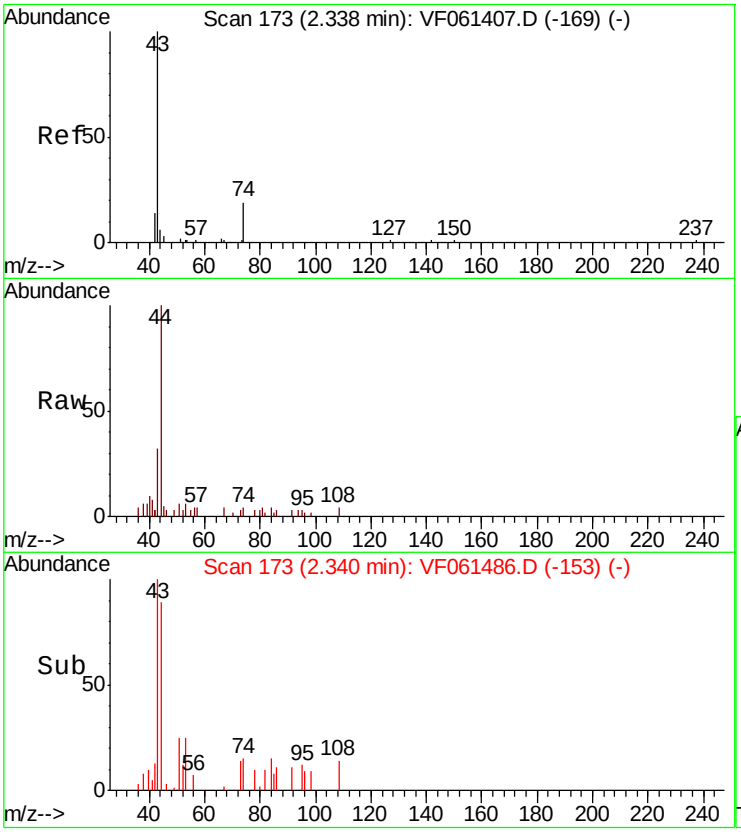




#16
Acetone
Concen: 72.680 ug/l
RT: 2.23 min Scan# 162
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 43 Resp: 27662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.1 | 13.3 | 19.9 |



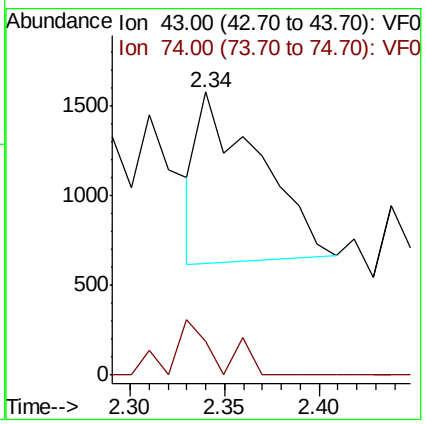


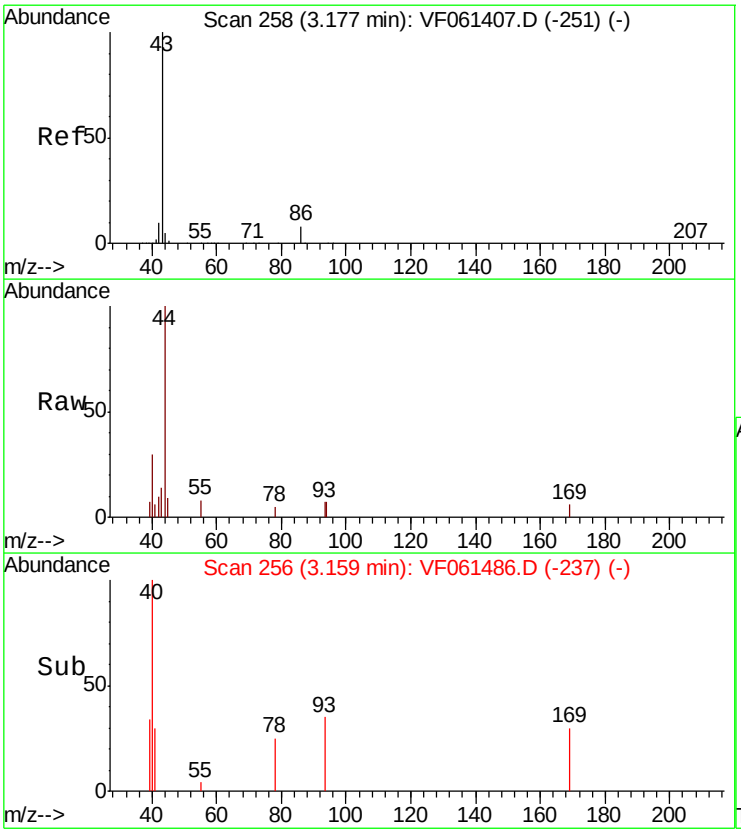

#18
Methyl Acetate
Concen: 2.852 ug/l
RT: 2.34 min Scan# 173
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Tgt Ion: 43 Resp: 2153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 12.0 | 13.4 | 20.0# |

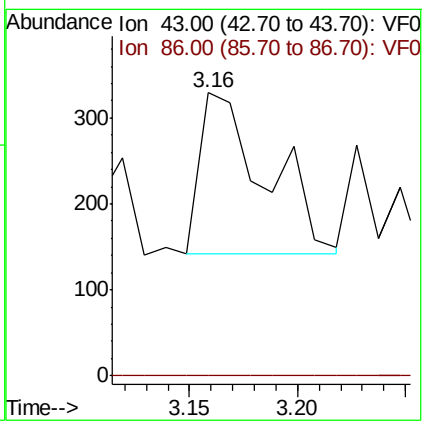


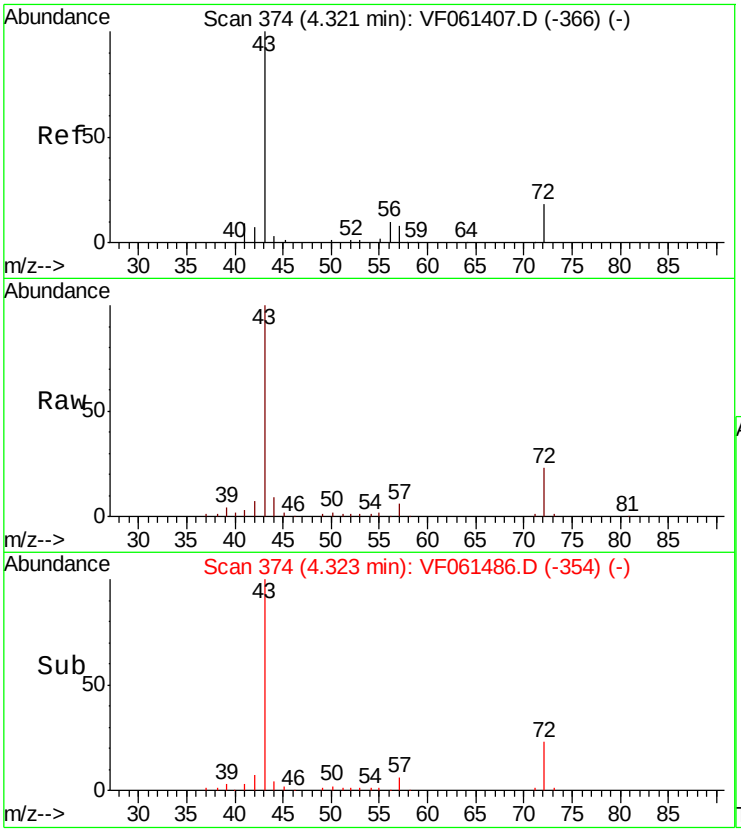




#23
Vinyl Acetate
Concen: 3.377 ug/l
RT: 3.16 min Scan# 256
Delta R.T. -0.02 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 43 Resp: 397

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



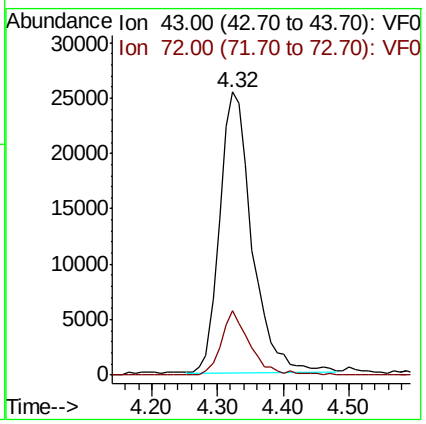


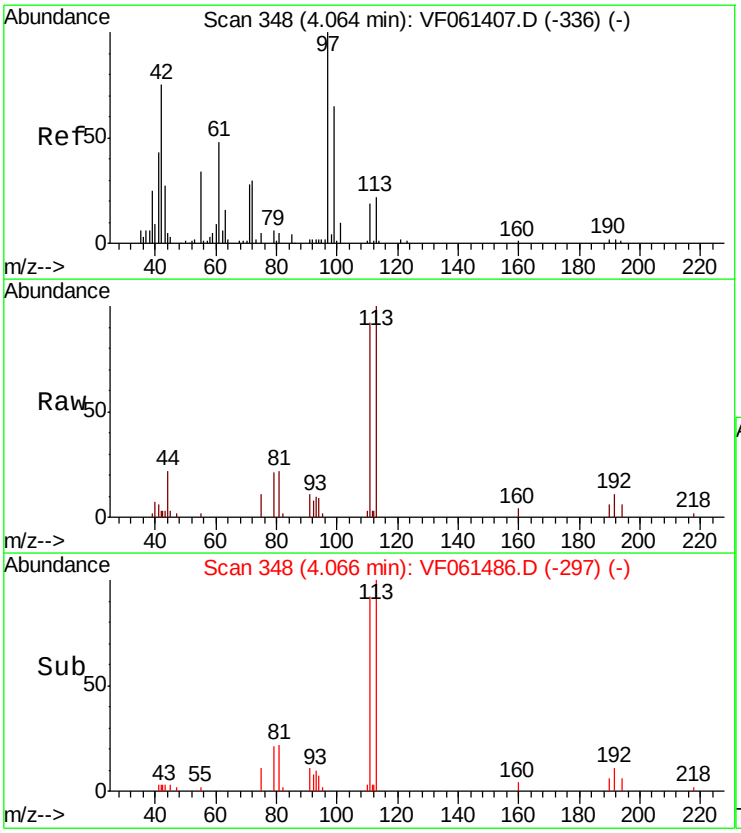

#25
2-Butanone
Concen: 138.639 ug/l
RT: 4.32 min Scan# 374
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :**
MSVOA_F
**ClientSampleId :**
TS-P

Tgt Ion: 43 Resp: 87748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.6 | 15.8 | 23.6 |

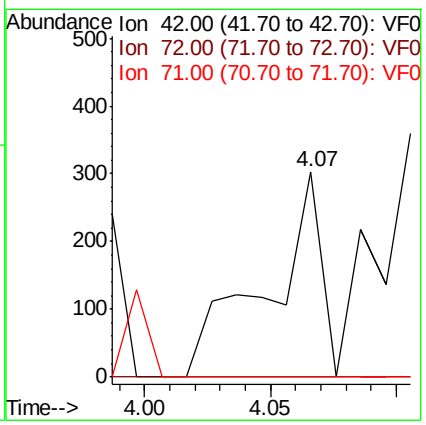


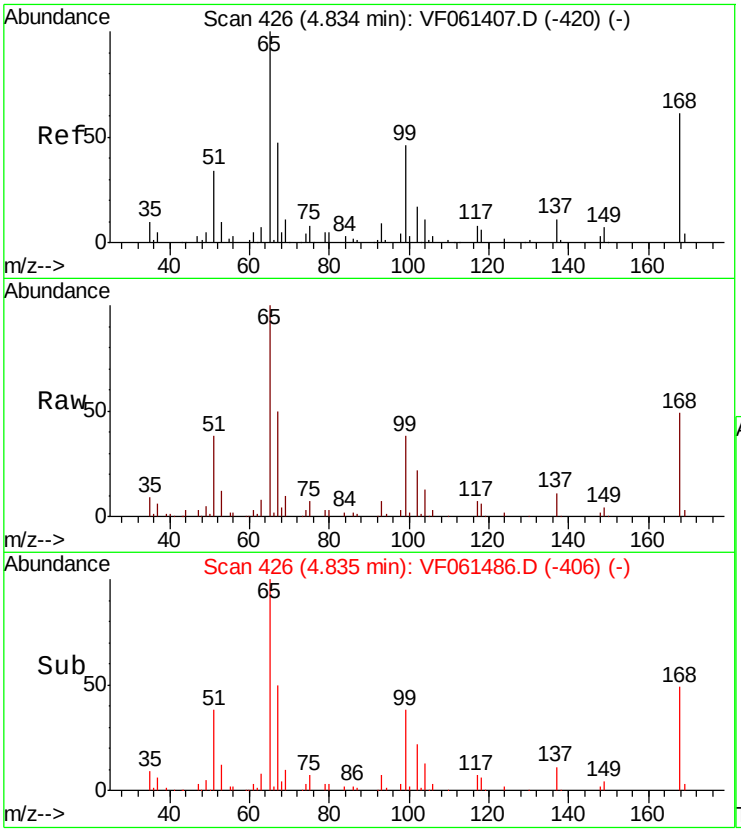




#29
Tetrahydrofuran
Concen: 1.651 ug/l
RT: 4.07 min Scan# 348
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 42 Resp: 450

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



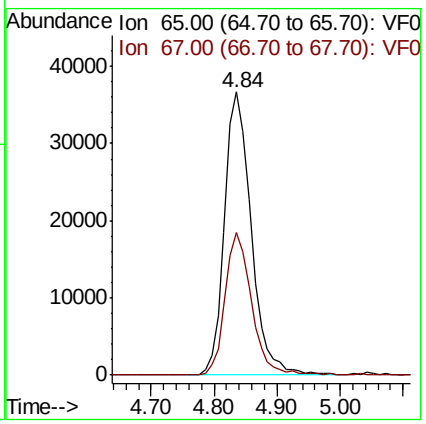


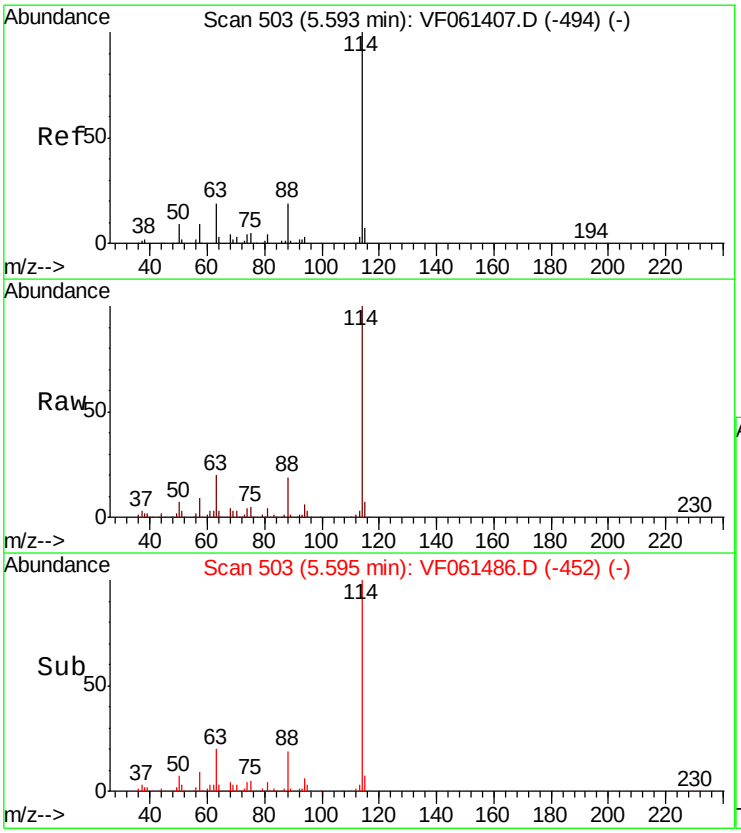

#33
1,2-Dichloroethane-d4
Concen: 56.808 ug/l
RT: 4.84 min Scan# 426
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Tgt Ion: 65 Resp: 107777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 99.8 |

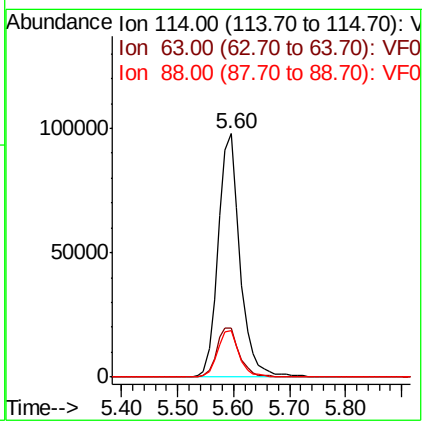


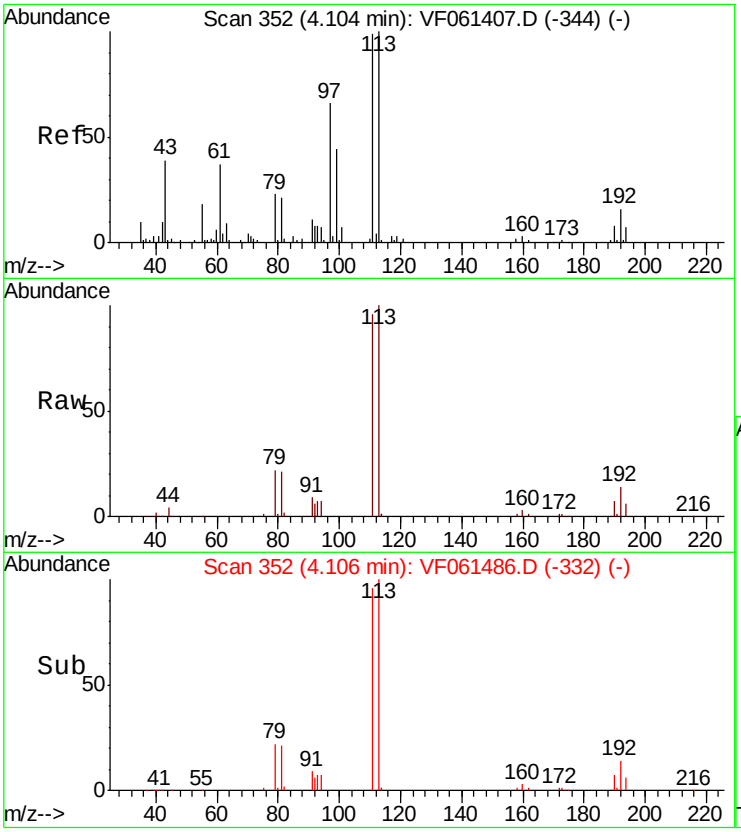




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 503
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion:114 Resp: 266033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 39.0 |
| 88 | 19.0 | 0.0 | 37.4 |



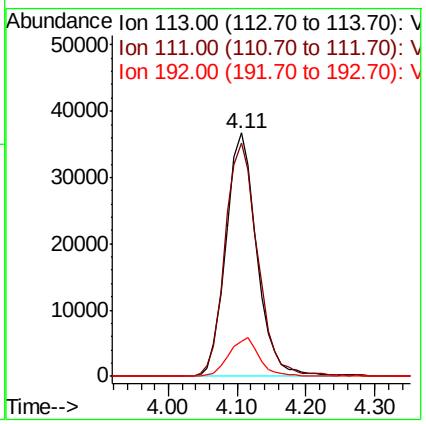


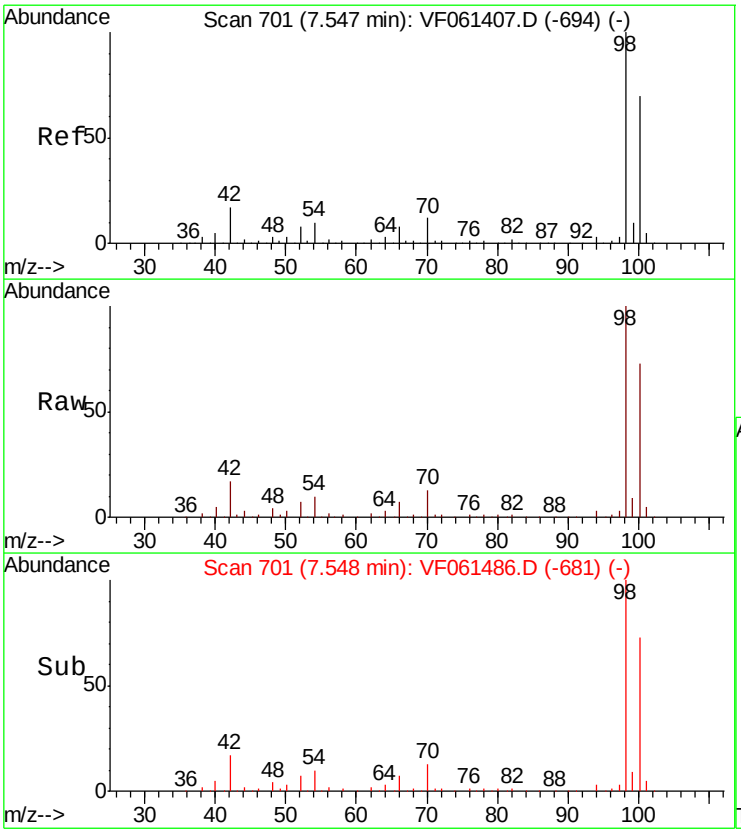

#35
Dibromofluoromethane
Concen: 54.524 ug/l
RT: 4.11 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :**
MSVOA_F
**ClientSampleId :**
TS-P

Tgt Ion:113 Resp: 114458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 96.1 | 79.4 | 119.0 |
| 192 | 14.2 | 12.4 | 18.6 |

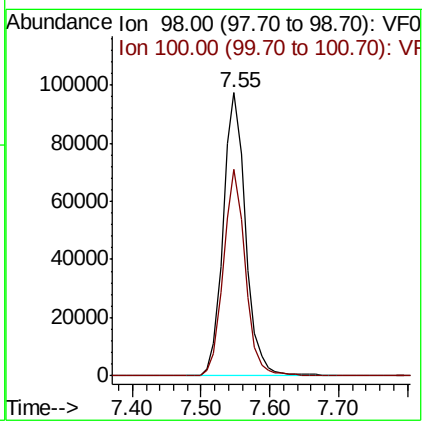


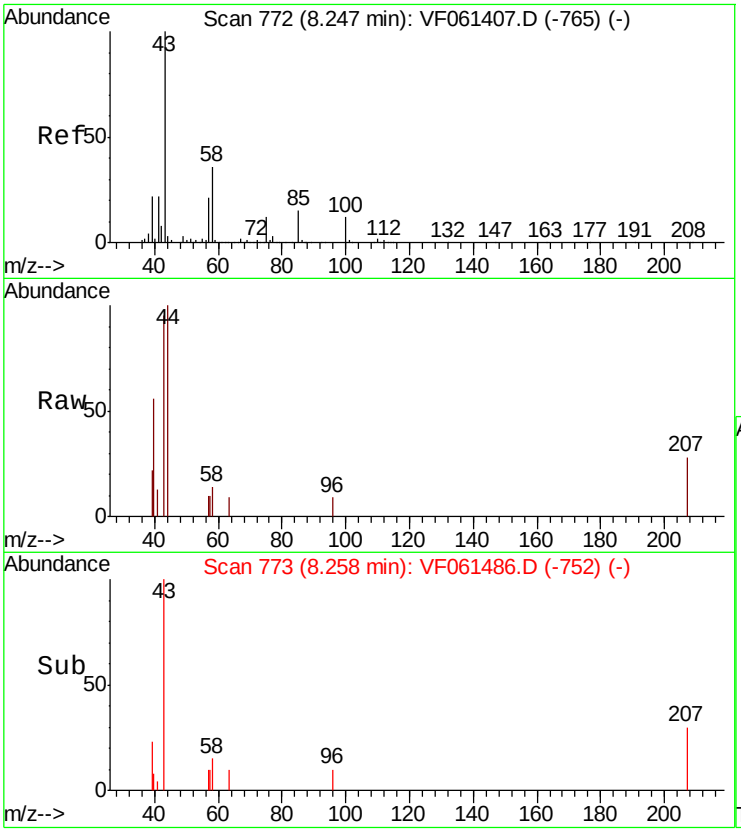




#50
Toluene-d8
Concen: 38.255 ug/l
RT: 7.55 min Scan# 701
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 98 Resp: 220022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 73.1 | 55.6 | 83.4 |



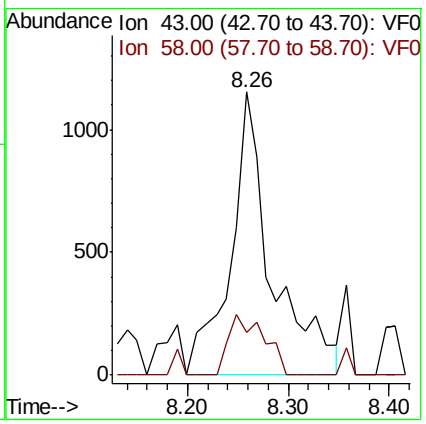


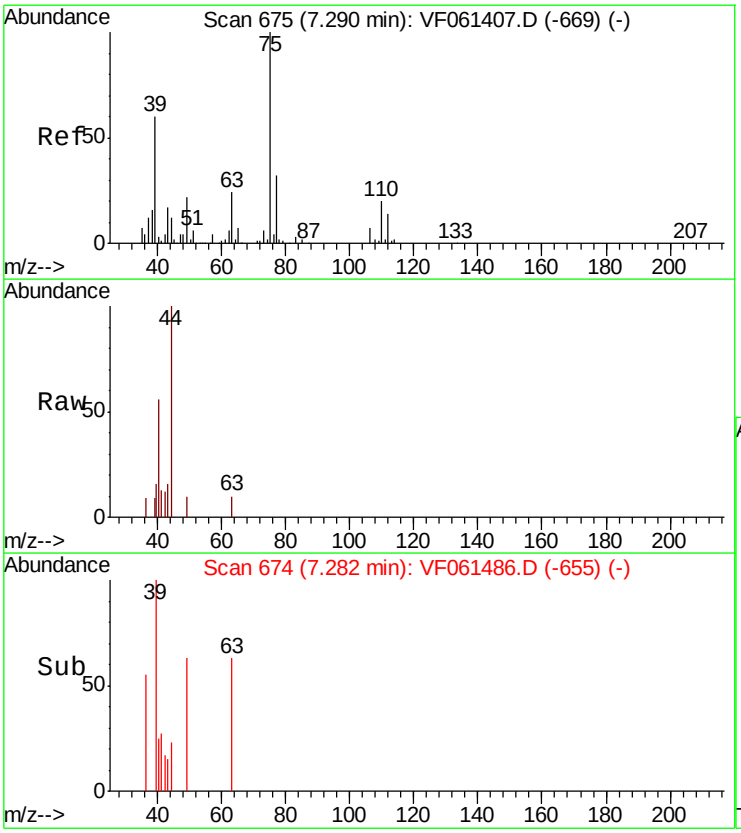

#51
4-Methyl-2-Pentanone
Concen: 2.872 ug/l
RT: 8.26 min Scan# 773
Delta R.T. 0.01 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Tgt Ion: 43 Resp: 3267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.1 | 28.8 | 43.2# |

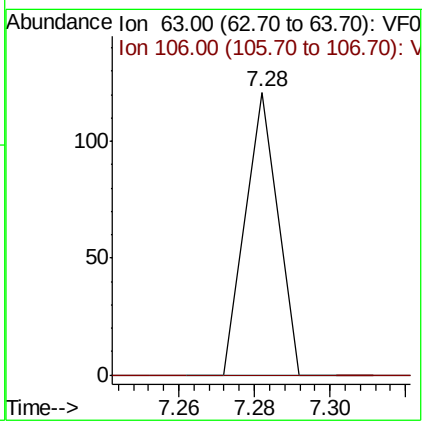


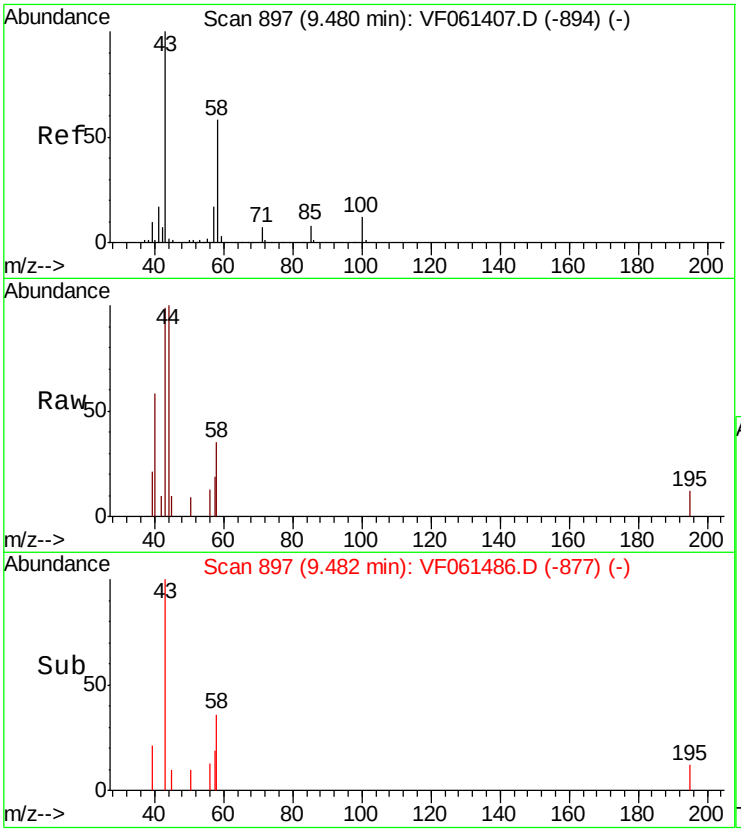




#58
2-Chloroethyl Vinyl ether
Concen: 27.927 ug/l
RT: 7.28 min Scan# 674
Delta R.T. -0.01 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 63 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 0.0 | 21.9 | 32.9# |



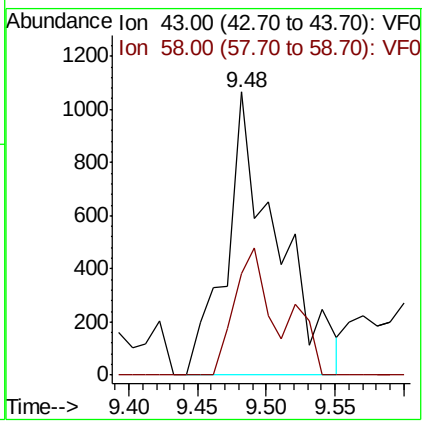


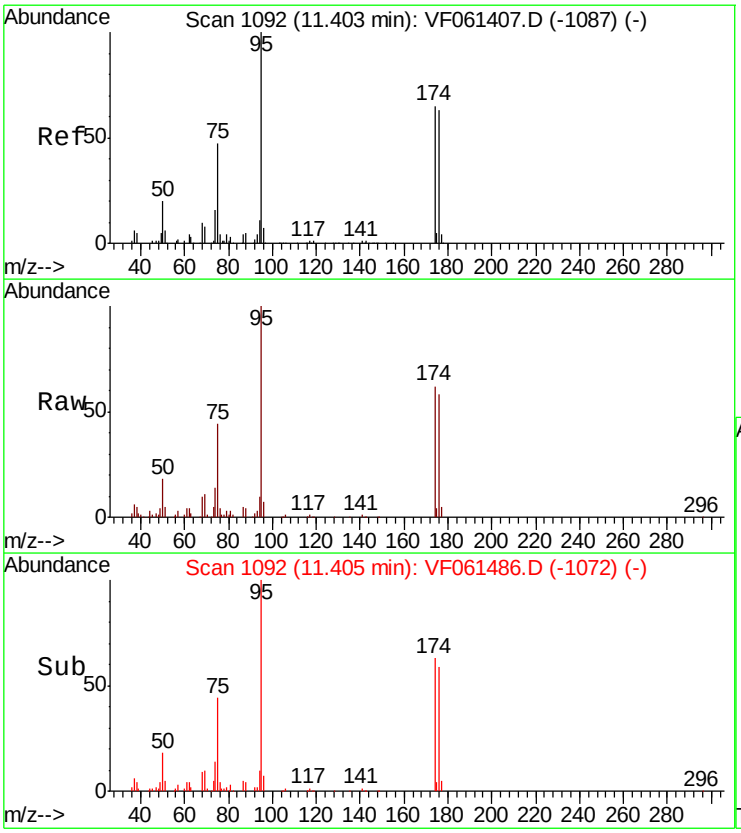

#59
2-Hexanone
Concen: 3.446 ug/l
RT: 9.48 min Scan# 897
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Tgt Ion: 43 Resp: 2734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.0 | 25.9 | 77.6 |

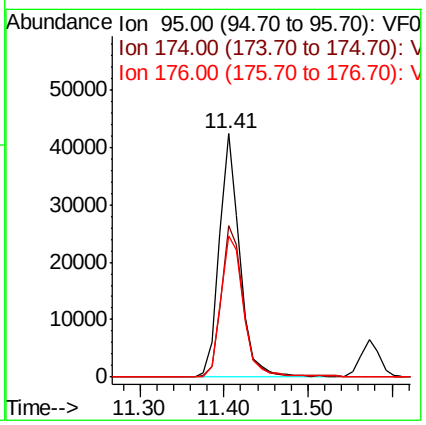


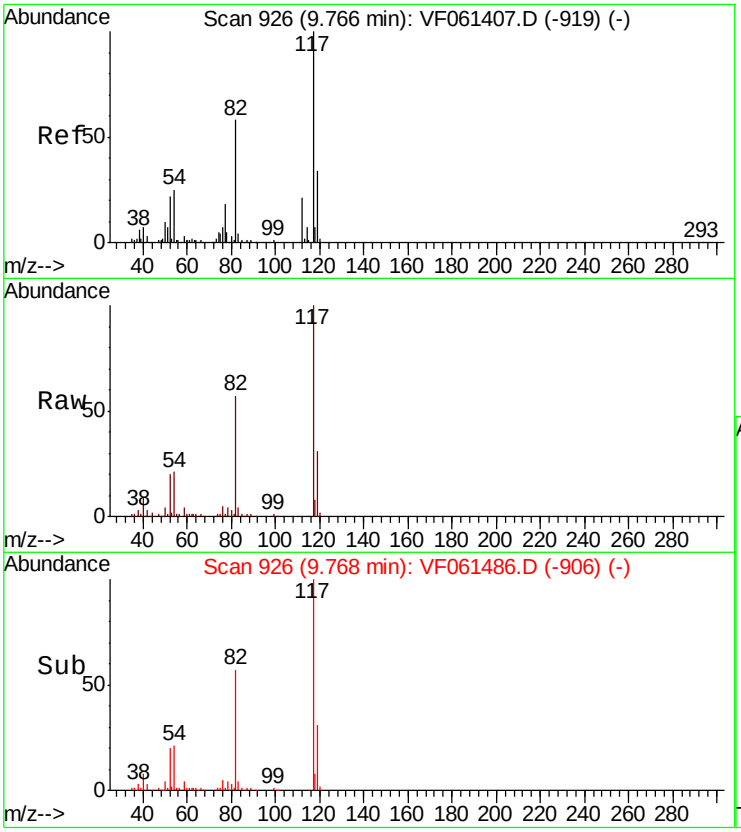




#62
4-Bromofluorobenzene
Concen: 26.793 ug/l
RT: 11.41 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion: 95 Resp: 71999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 62.5 | 0.0 | 130.4 |
| 176 | 58.2 | 0.0 | 126.2 |



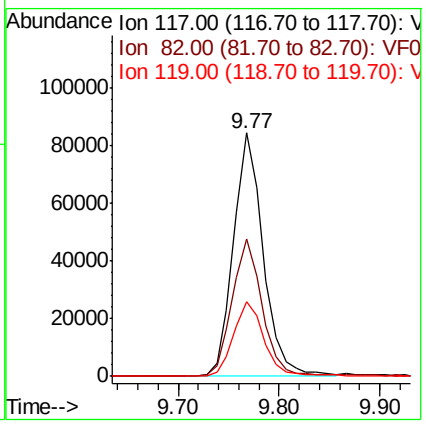


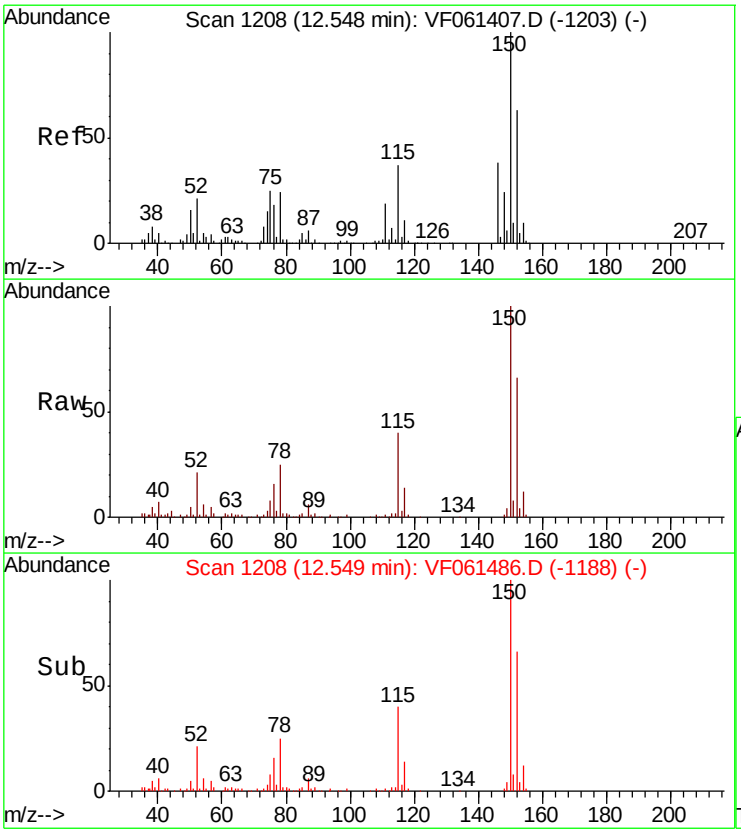

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :**
MSVOA_F
**ClientSampleId :**
TS-P

Tgt Ion:117 Resp: 174124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 46.4 | 69.6 |
| 119 | 30.7 | 27.2 | 40.8 |

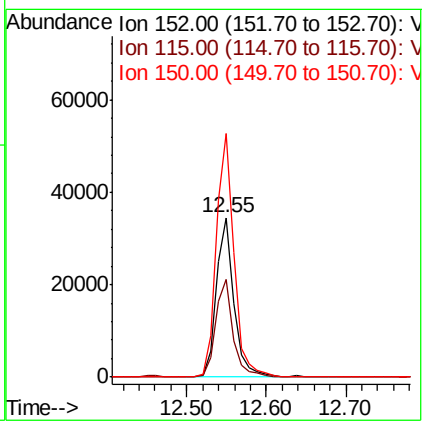


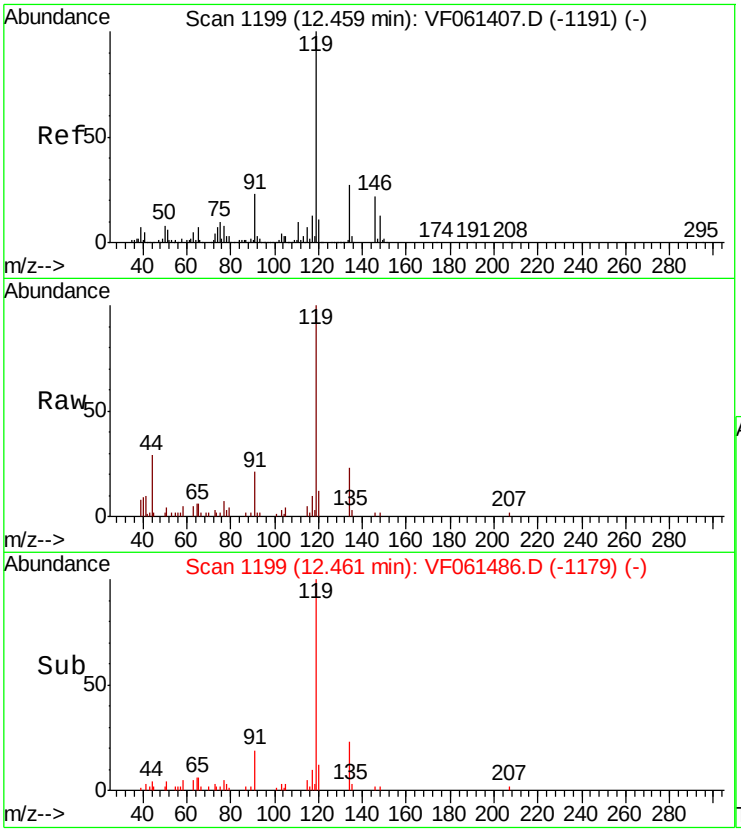




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion:152 Resp: 54209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 30.0 | 90.0 |
| 150 | 152.4 | 0.0 | 321.4 |



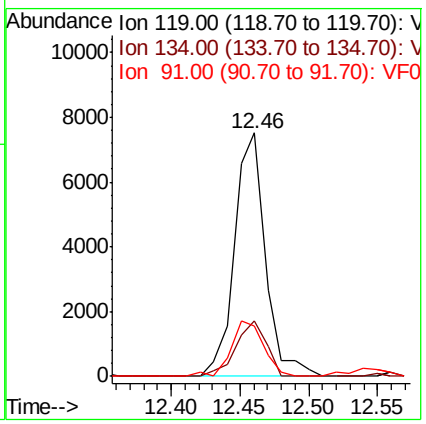


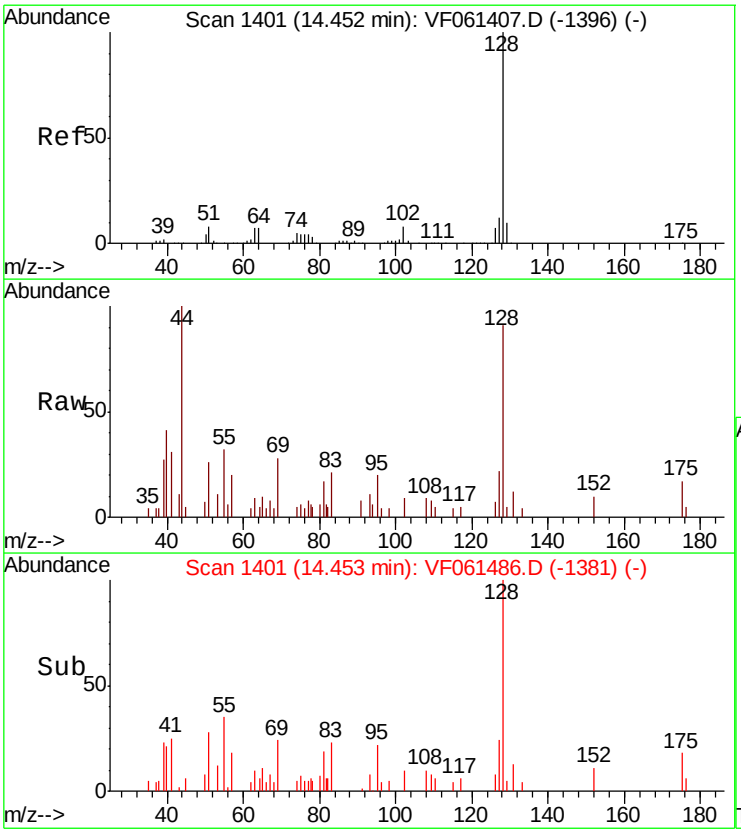

#86
p-Isopropyltoluene
Concen: 2.875 ug/l
RT: 12.46 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

**Instrument :** MSVOA_F
**ClientSampleId :** TS-P

Tgt Ion:119 Resp: 11803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 22.6 | 13.4 | 40.2 |
| 91 | 20.5 | 11.4 | 34.2 |




#95
Naphthalene
Concen: 1.642 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061486.D
Acq: 23 Jan 2019 16:46

Tgt Ion:128 Resp: 3806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 24.2 | 9.5 | 14.3# |
| 129 | 5.5 | 8.4 | 12.6# |