Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF031519\
Data File : VF061961.D
Acq On : 15 Mar 2019 15:15
Operator : VA/AP
Sample : K1928-04
Misc : 6.77g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** SB-MW-6(5-5.5)

Quant Time: Mar 15 23:16:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.88 | 168 | 135713 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.61 | 114 | 201284 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.79 | 117 | 162315 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152 | 80800 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 45699 | 46.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.48% | | | |
| 35) Dibromofluoromethane | 4.13 | 113 | 70030 | 49.85 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.70% | | | |
| 50) Toluene-d8 | 7.57 | 98 | 206170 | 49.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.76% | | | |
| 62) 4-Bromofluorobenzene | 11.42 | 95 | 82917 | 50.70 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 2.61 | 59 | 60 | 1.070 | ug/l # | 1 |
| 13) Acrolein | 2.01 | 56 | 380 | 5.346 | ug/l | 92 |
| 14) Allyl chloride | 2.19 | 41 | 1605 | 1.255 | ug/l # | 65 |
| 16) Acetone | 2.25 | 43 | 4760 | 22.992 | ug/l # | 89 |
| 18) Methyl Acetate | 2.38 | 43 | 2054 | Below Cal | # | 84 |
| 20) Methylene Chloride | 2.19 | 84 | 4594 | Below Cal | # | 93 |
| 25) 2-Butanone | 4.35 | 43 | 1021 | 2.425 | ug/l # | 56 |
| 29) Tetrahydrofuran | 4.10 | 42 | 701 | 3.860 | ug/l # | 40 |
| 40) Benzene | 4.64 | 78 | 10173 | 2.047 | ug/l | 94 |
| 41) Methacrylonitrile | 4.69 | 41 | 1693 | 3.872 | ug/l # | 36 |
| 51) 4-Methyl-2-Pentanone | 8.29 | 43 | 1985 | 2.920 | ug/l # | 87 |
| 52) Toluene | 7.64 | 92 | 13791 | 4.691 | ug/l | 82 |
| 59) 2-Hexanone | 9.52 | 43 | 839 | 1.711 | ug/l | 92 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.56 | 75 | 76 | 4.205 | ug/l # | 1 |

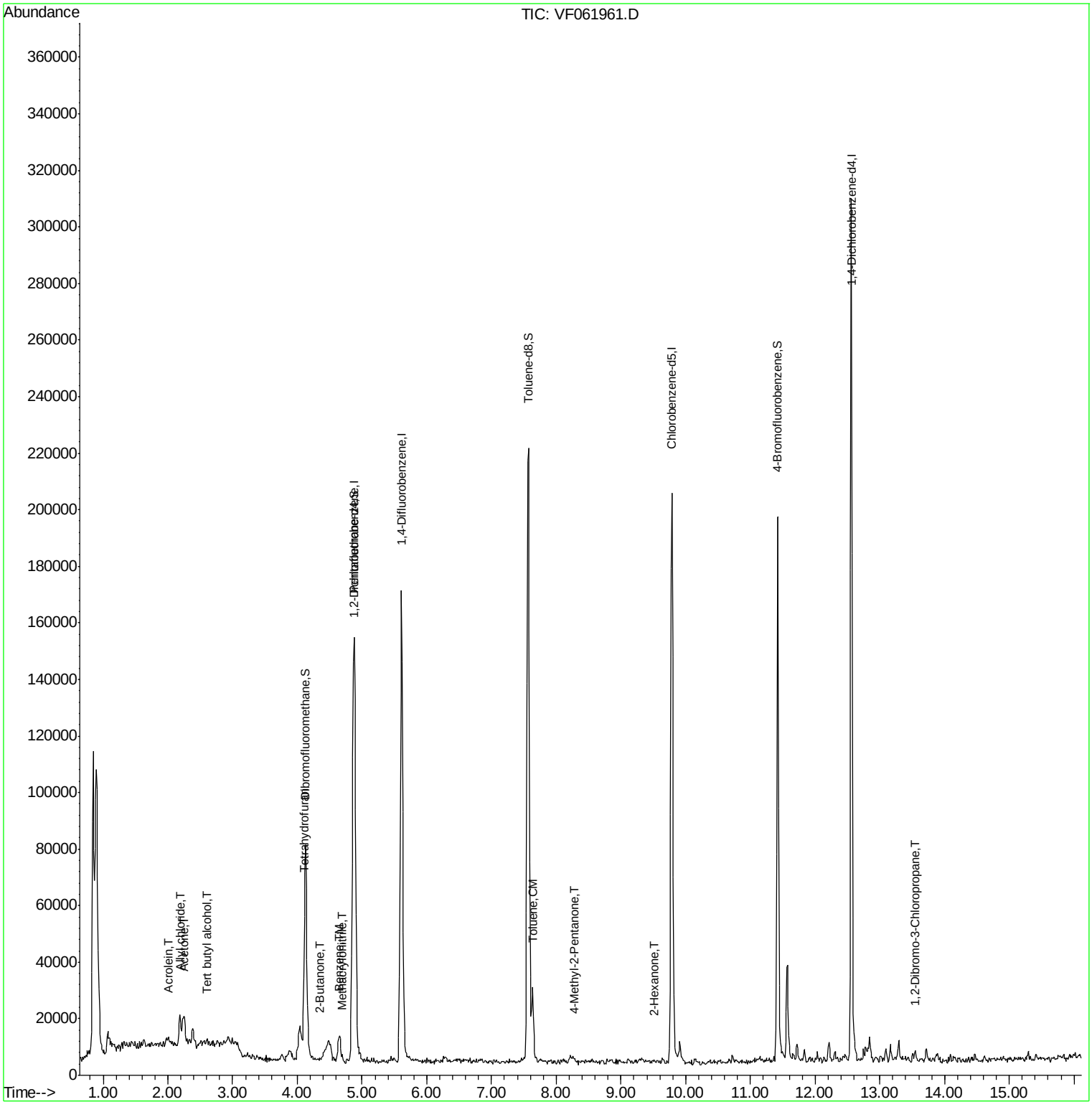
(#) = qualifier out of range (m) = manual integration (+) = signals summed

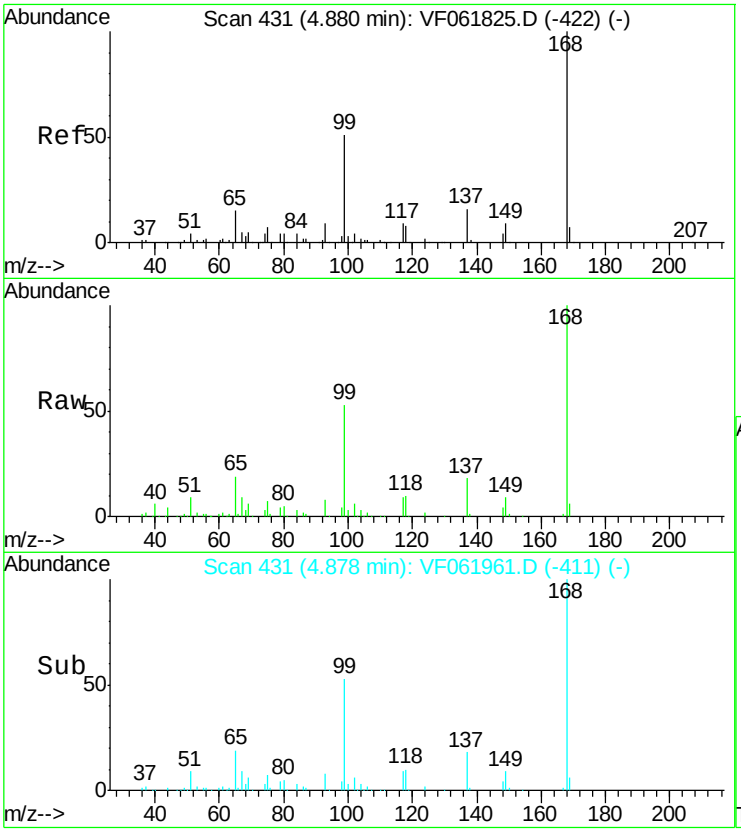
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061961.D
Acq On : 15 Mar 2019 15:15
Operator : VA/AP
Sample : K1928-04
Misc : 6.77g/5mL/MSVOA-F/SOIL
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Quant Time: Mar 15 23:16:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration



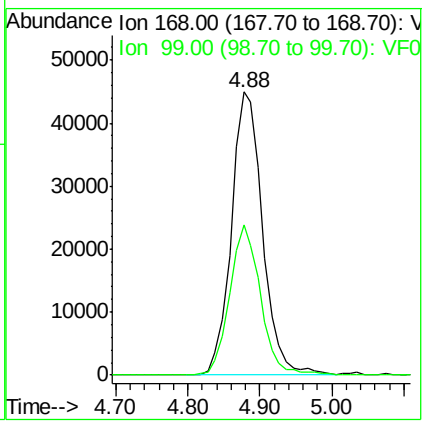


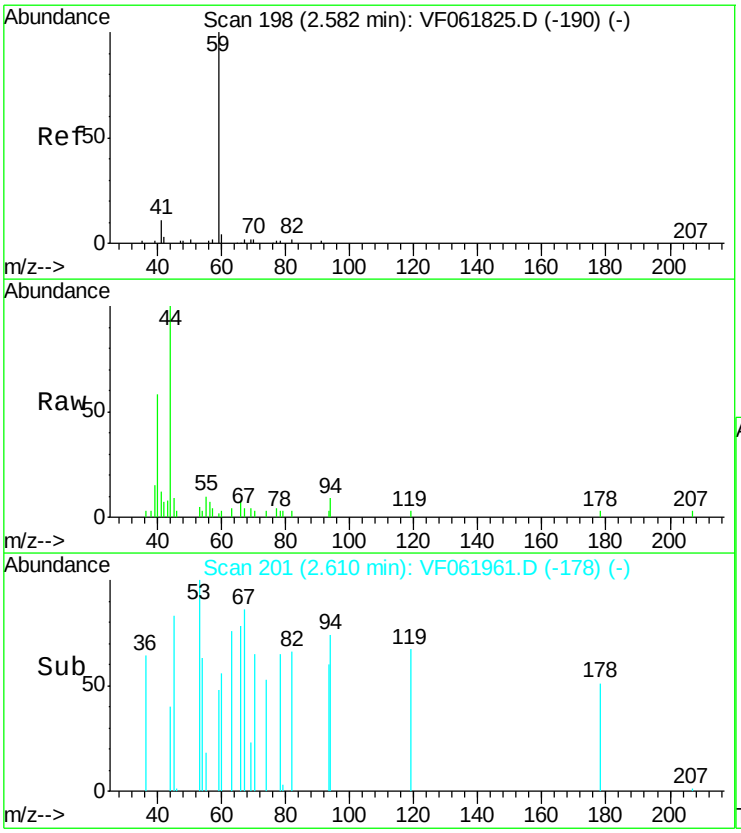

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. -0.00 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion:168 Resp: 135713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.0 | 40.8 | 61.2 |

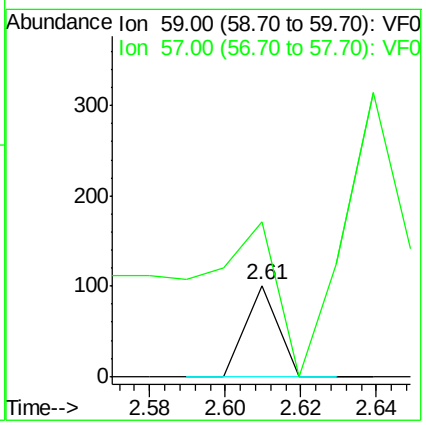


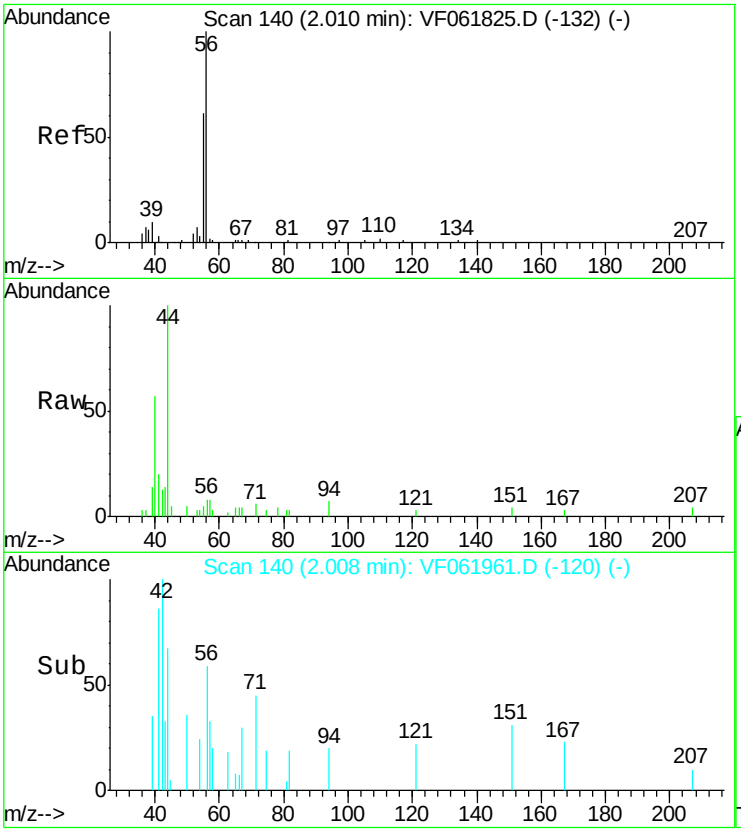




#11
Tert butyl alcohol
Concen: 1.070 ug/l
RT: 2.61 min Scan# 201
Delta R.T. 0.03 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 59 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 169.3 | 11.8 | 17.6# |



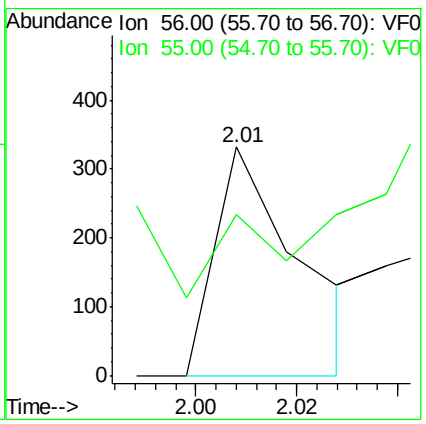


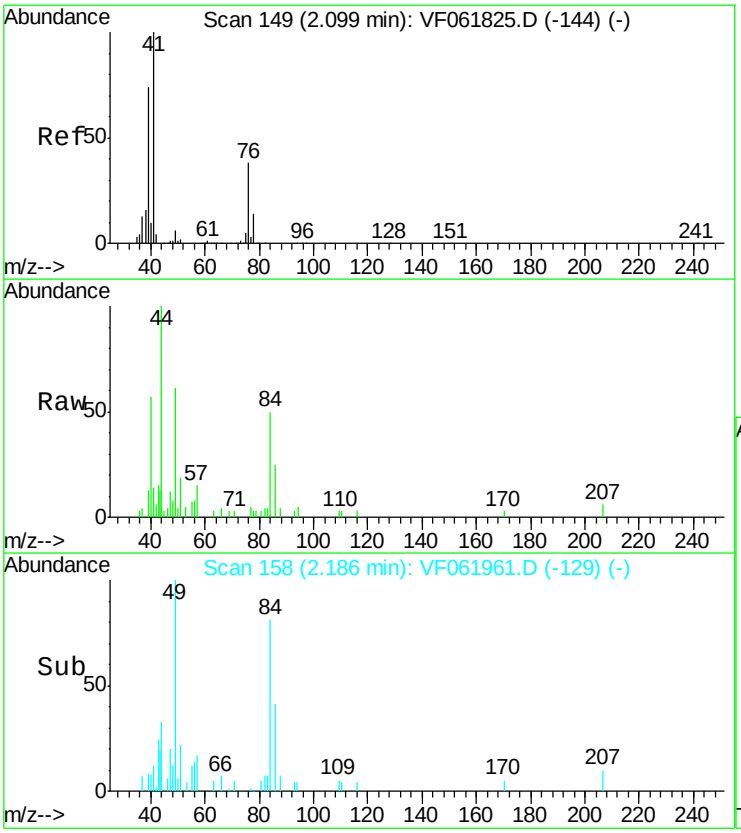

#13
Acrolein
Concen: 5.346 ug/l
RT: 2.01 min Scan# 140
Delta R.T. -0.00 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :** MSVOA_F
**ClientSampleId :** SB-MW-6(5-5.5)

Tgt Ion: 56 Resp: 380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.2 | 51.3 | 76.9 |

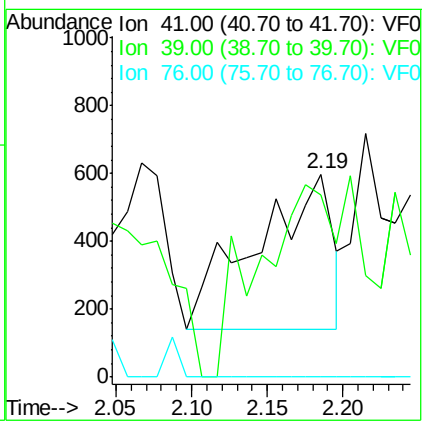


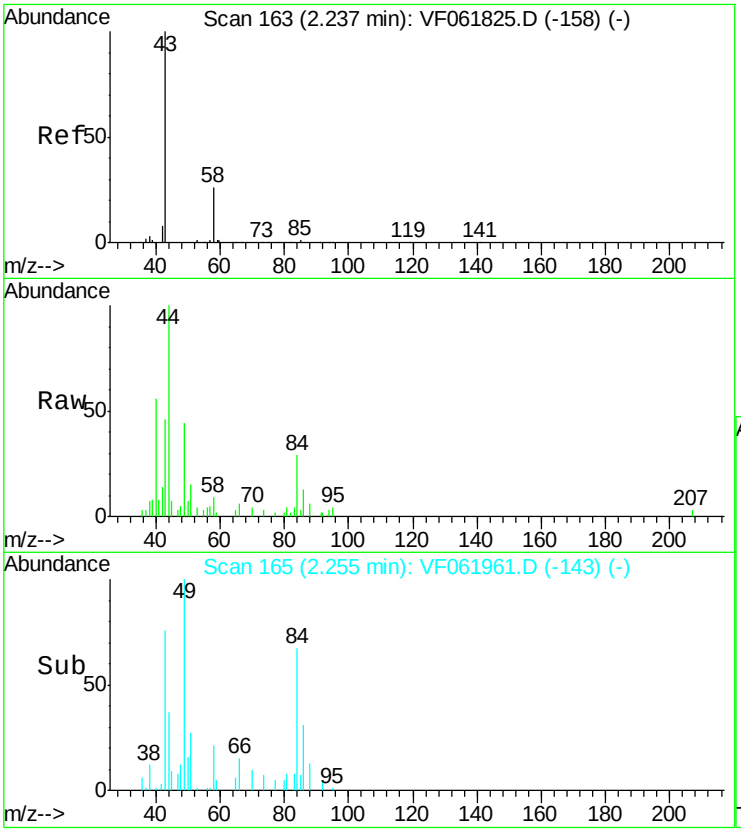




#14
Allyl chloride
Concen: 1.255 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.09 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 41 Resp: 1605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 90.0 | 59.6 | 89.4# |
| 76 | 0.0 | 32.3 | 48.5# |



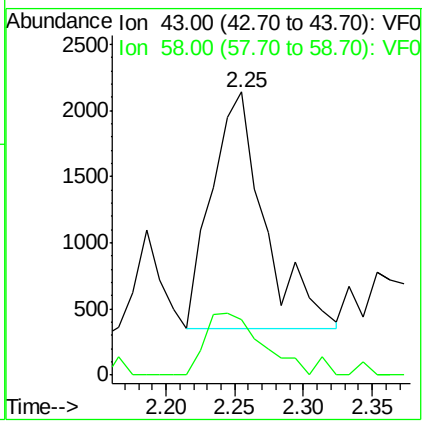


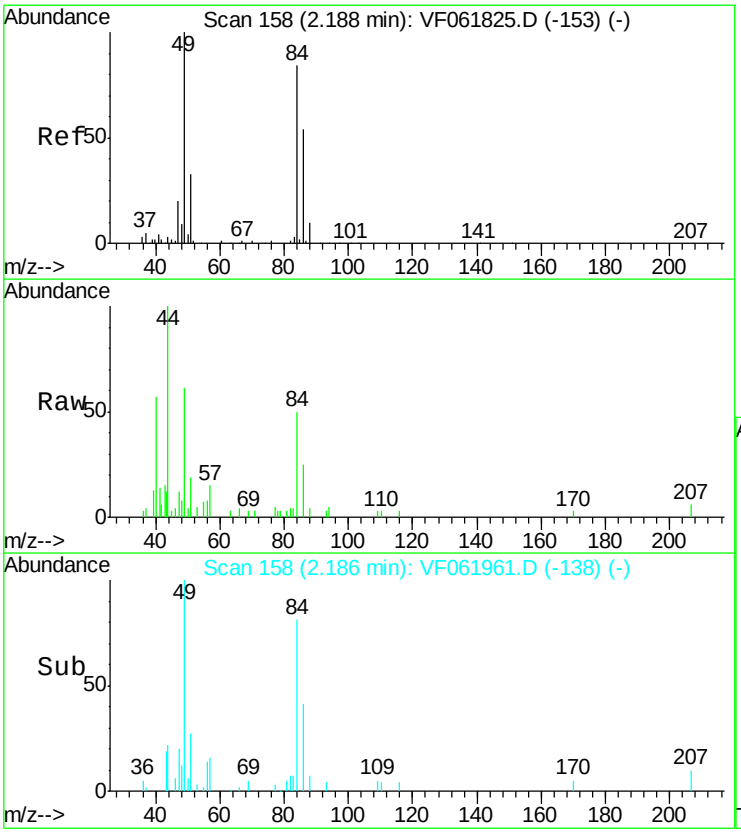

#16
Acetone
Concen: 22.992 ug/l
RT: 2.25 min Scan# 165
Delta R.T. 0.02 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion: 43 Resp: 4760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.6 | 20.3 | 30.5# |

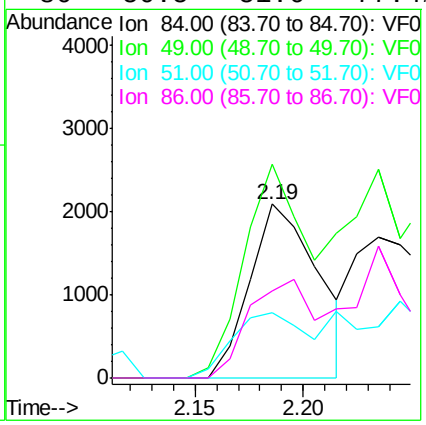


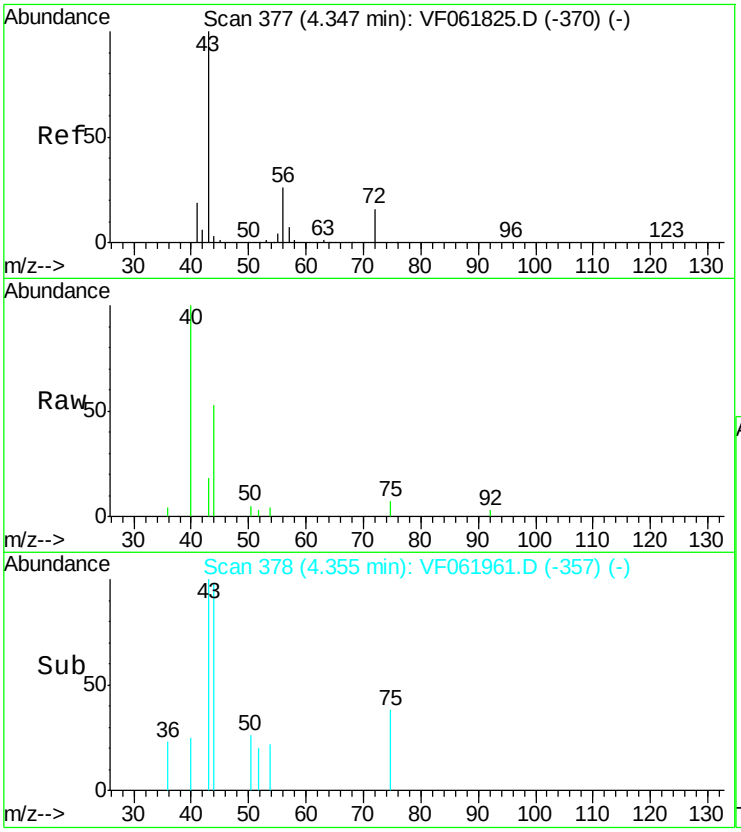




#20
Methylene Chloride
Concen: Below Cal
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 84 Resp: 4594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.1 | 96.8 | 145.2 |
| 51 | 37.9 | 31.8 | 47.6 |
| 86 | 50.5 | 51.6 | 77.4# |



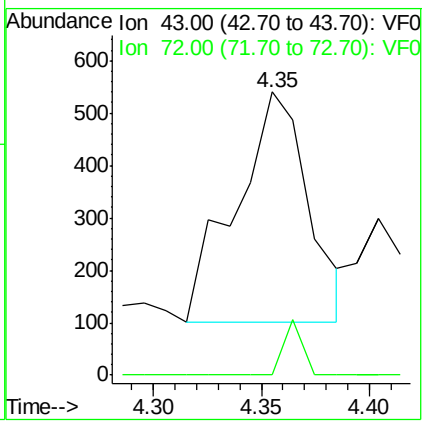


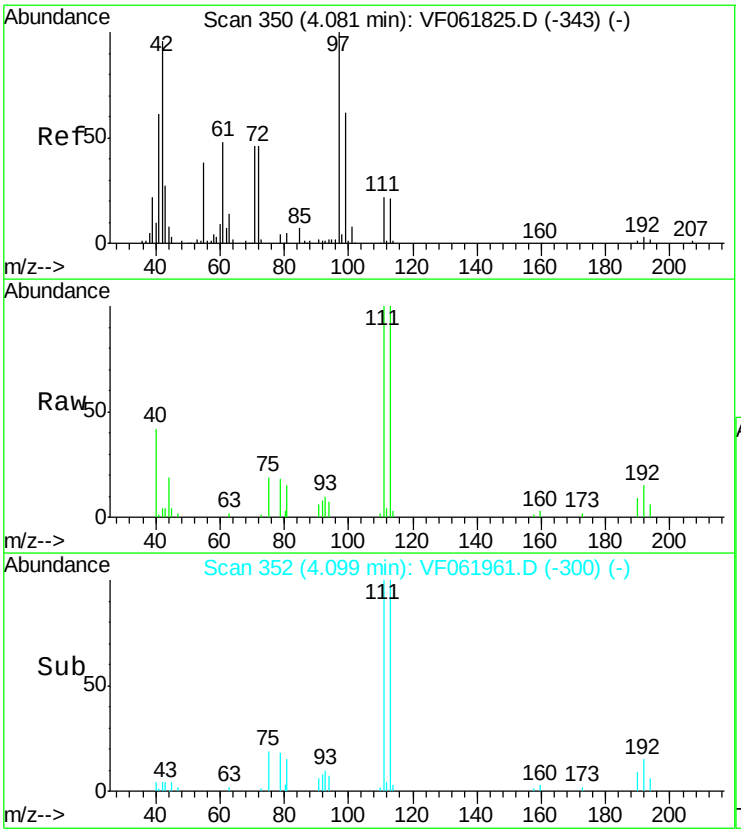

#25
2-Butanone
Concen: 2.425 ug/l
RT: 4.35 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :** MSVOA_F
**ClientSampleId :** SB-MW-6(5-5.5)

Tgt Ion: 43 Resp: 1021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 16.2 | 24.4# |

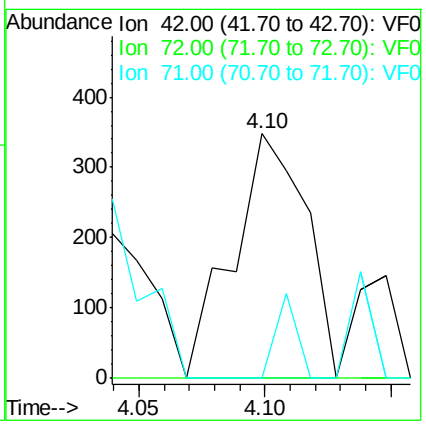


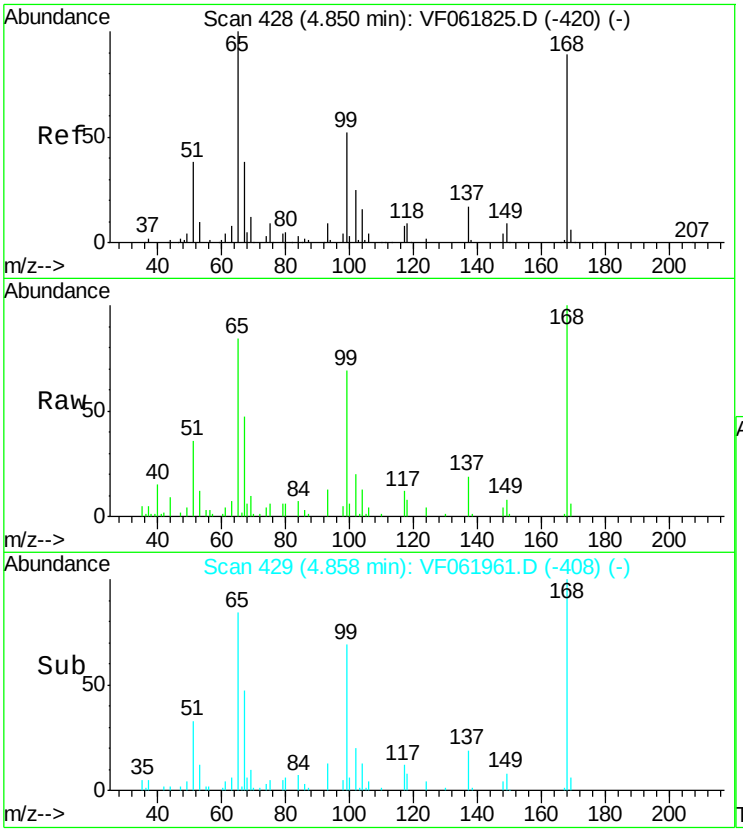




#29
Tetrahydrofuran
Concen: 3.860 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.02 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 42 Resp: 701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.4 | 51.6# |
| 71 | 10.0 | 34.6 | 52.0# |



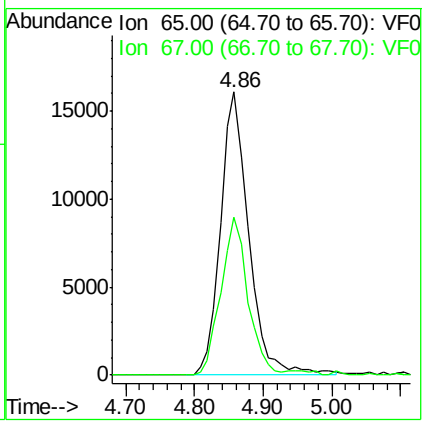


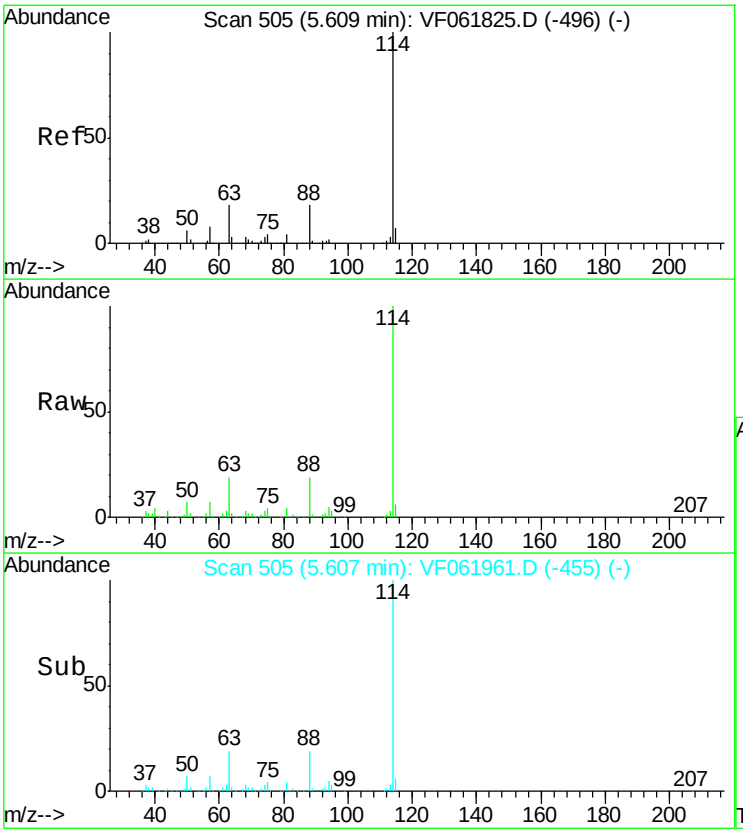

#33
1,2-Dichloroethane-d4
Concen: 46.239 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion: 65 Resp: 45699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.9 | 0.0 | 108.6 |

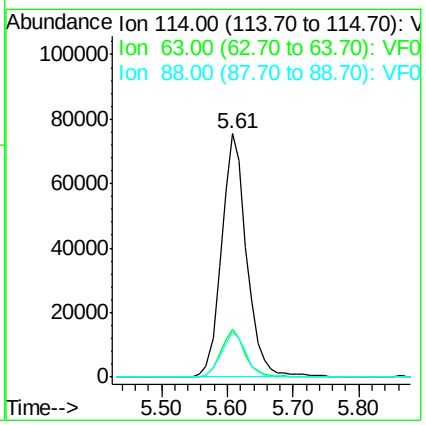


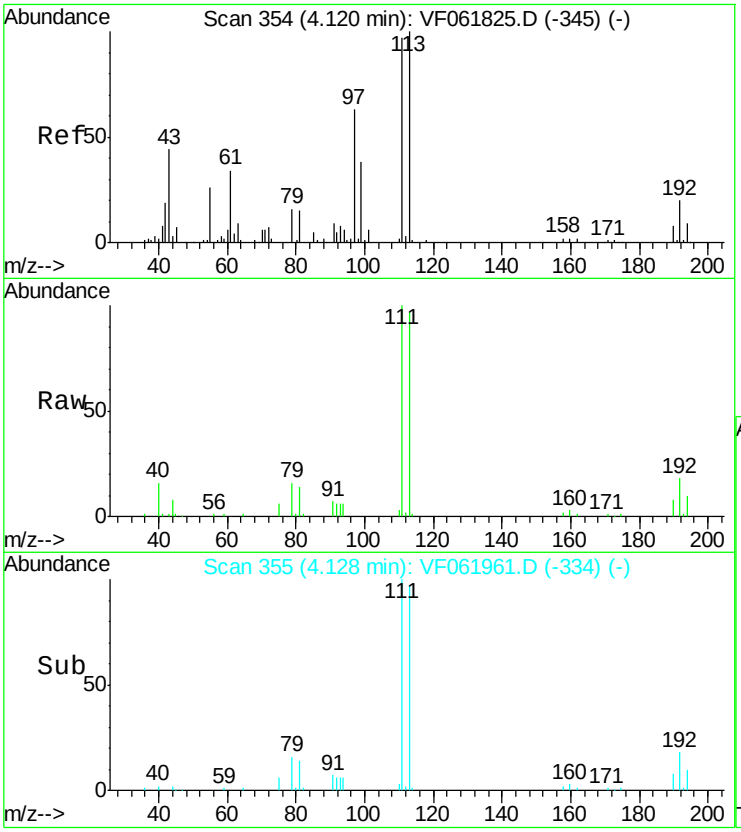




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.00 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion:114 Resp: 201284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.4 | 0.0 | 35.6 |
| 88 | 18.6 | 0.0 | 35.6 |



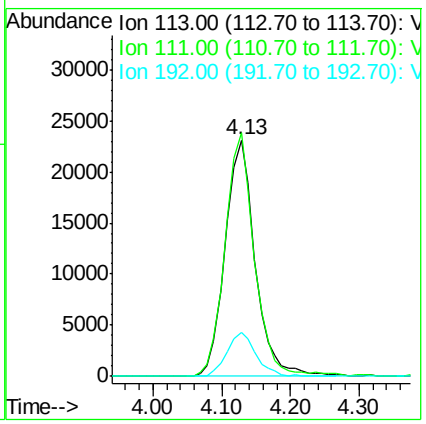


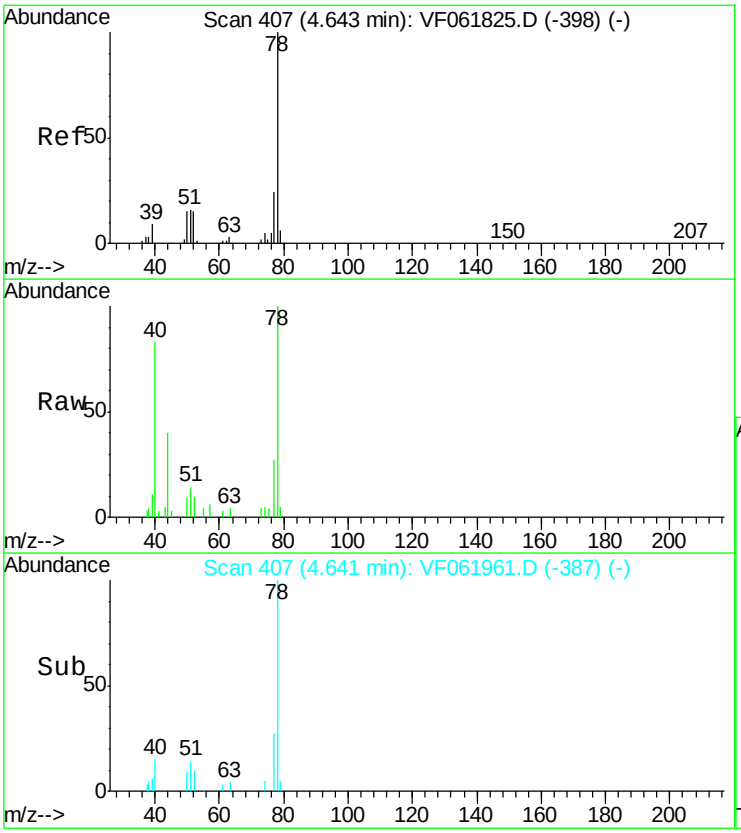

#35
Dibromofluoromethane
Concen: 49.854 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion:113 Resp: 70030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 77.6 | 116.4 |
| 192 | 19.5 | 15.9 | 23.9 |

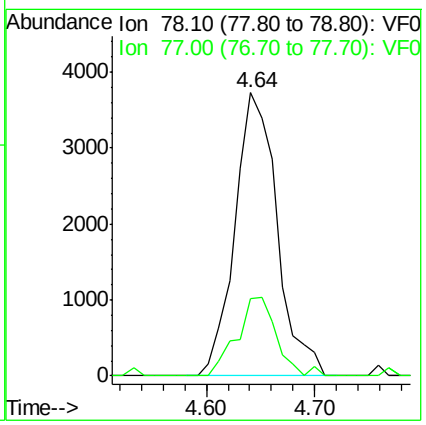


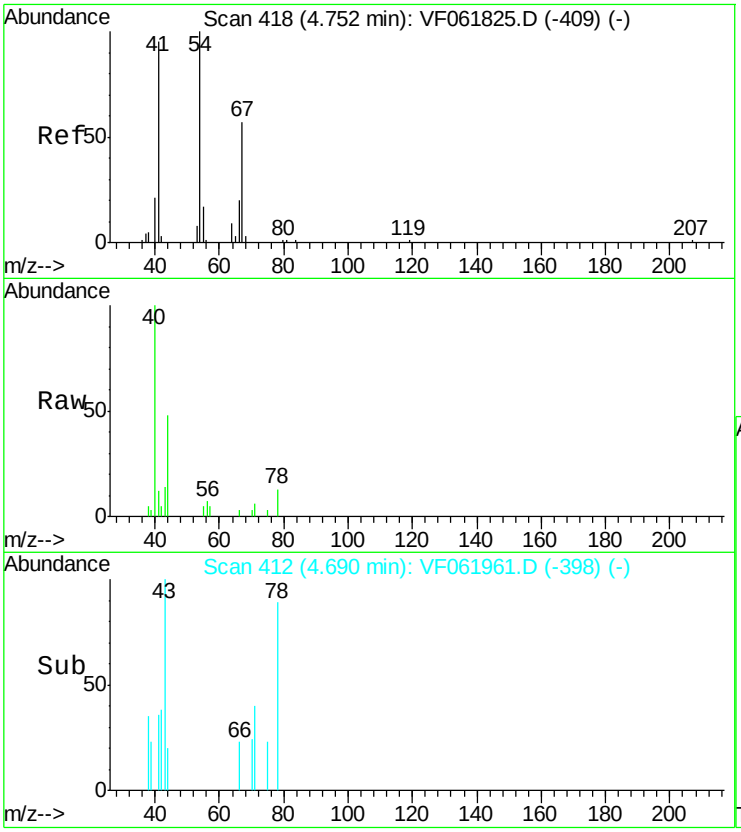




#40
Benzene
Concen: 2.047 ug/l
RT: 4.64 min Scan# 407
Delta R.T. -0.00 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 78 Resp: 10173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 27.2 | 19.5 | 29.3 |



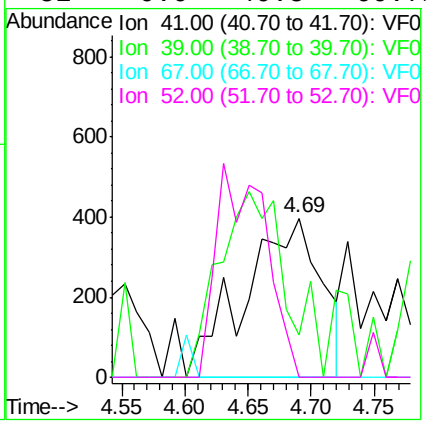


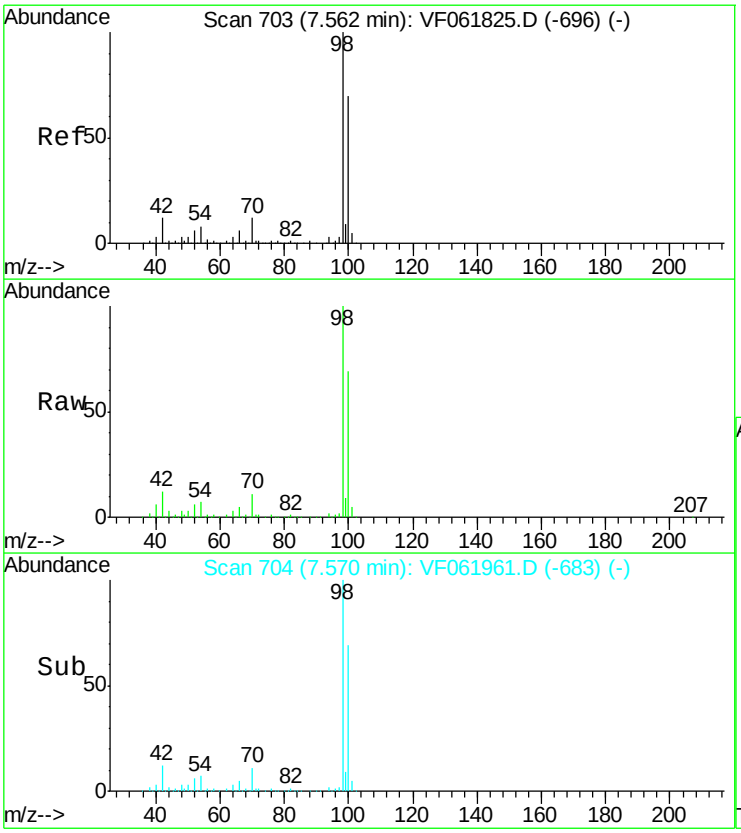

#41
Methacrylonitrile
Concen: 3.872 ug/l
RT: 4.69 min Scan# 412
Delta R.T. -0.06 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion: 41 Resp: 1693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 26.9 | 43.0 | 64.6# |
| 67 | 0.0 | 47.8 | 71.8# |
| 52 | 0.0 | 40.5 | 60.7# |

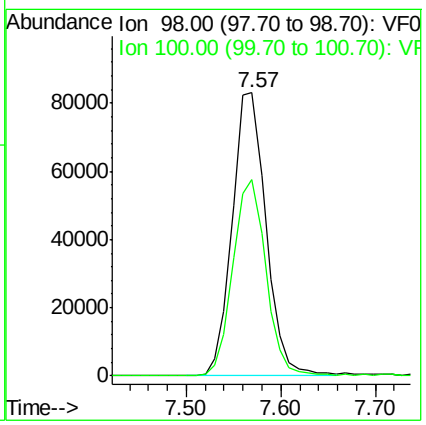


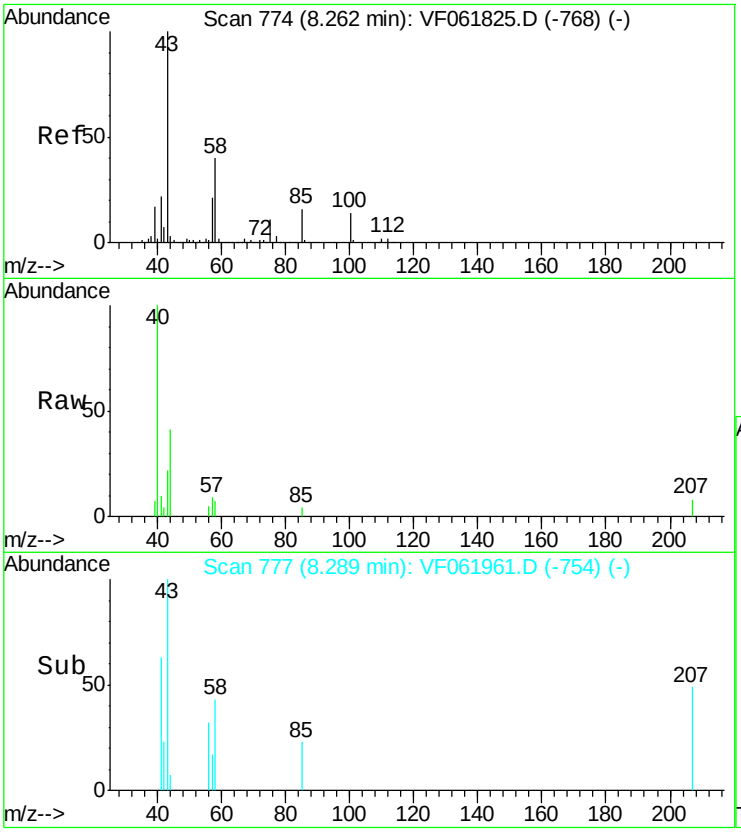




#50
Toluene-d8
Concen: 49.380 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 98 Resp: 206170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.4 | 56.0 | 84.0 |



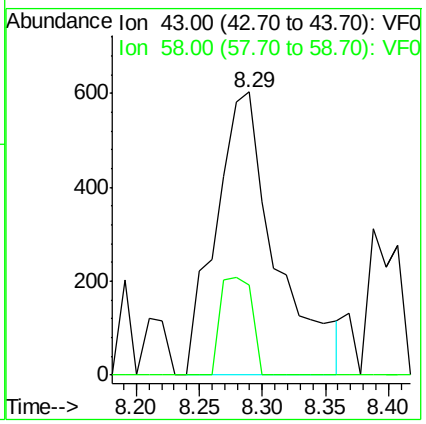


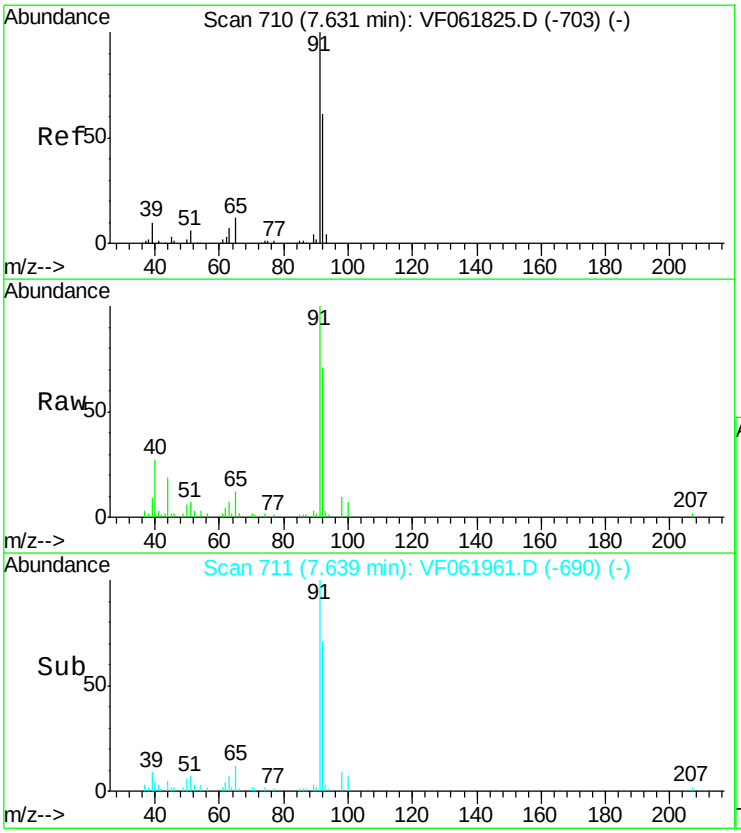

#51
4-Methyl-2-Pentanone
Concen: 2.920 ug/l
RT: 8.29 min Scan# 777
Delta R.T. 0.03 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :** MSVOA_F
**ClientSampleId :** SB-MW-6(5-5.5)

Tgt Ion: 43 Resp: 1985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 31.8 | 47.8# |

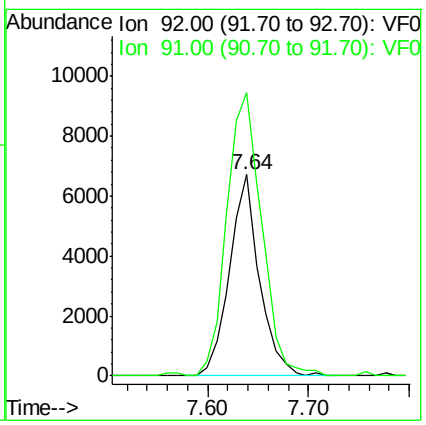


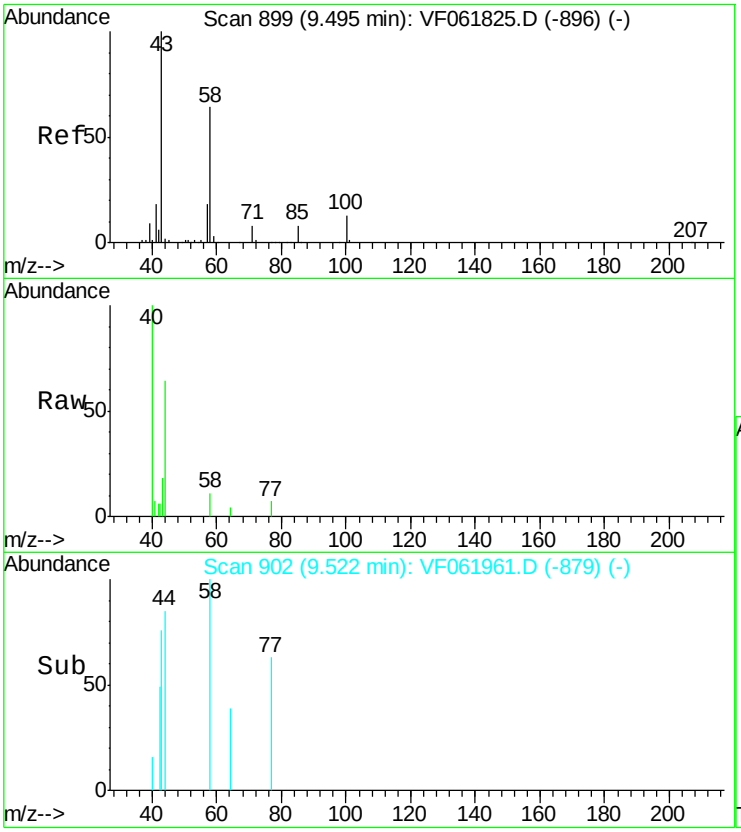




#52
Toluene
Concen: 4.691 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 92 Resp: 13791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 140.9 | 132.0 | 198.0 |



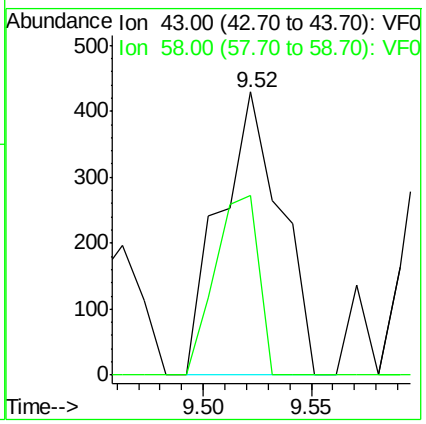


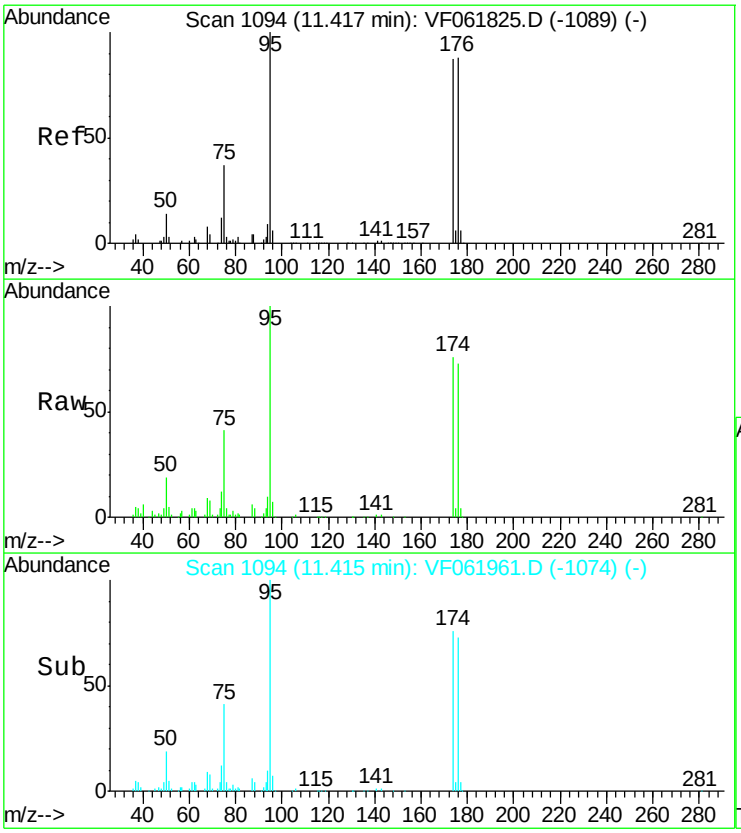

#59
2-Hexanone
Concen: 1.711 ug/l
RT: 9.52 min Scan# 902
Delta R.T. 0.03 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion: 43 Resp: 839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 63.4 | 28.8 | 86.4 |

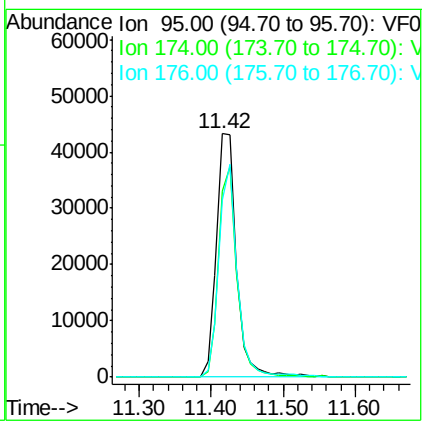


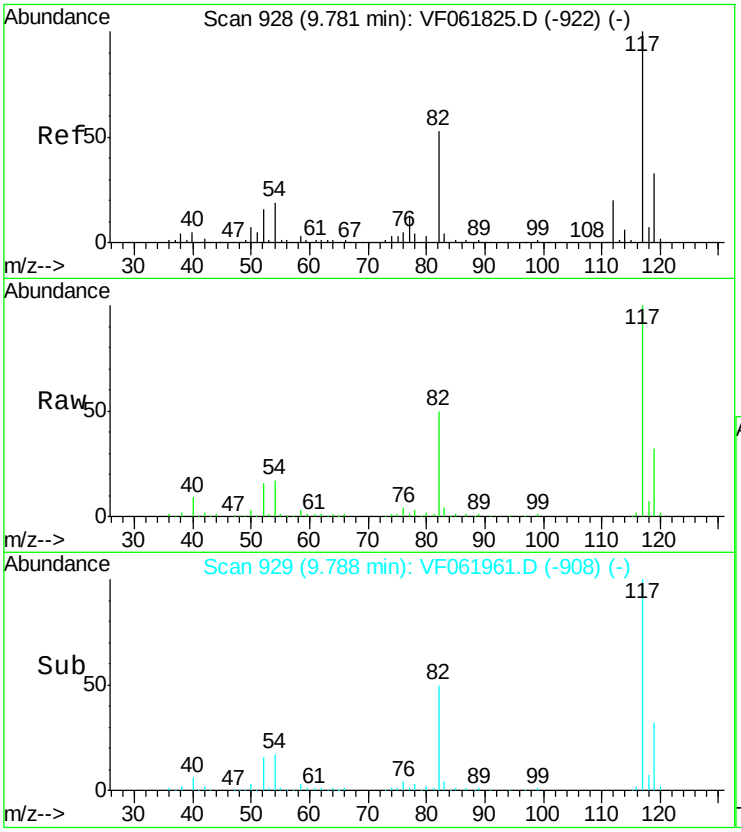




#62
4-Bromofluorobenzene
Concen: 50.698 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion: 95 Resp: 82917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.4 | 0.0 | 174.0 |
| 176 | 72.6 | 0.0 | 175.2 |



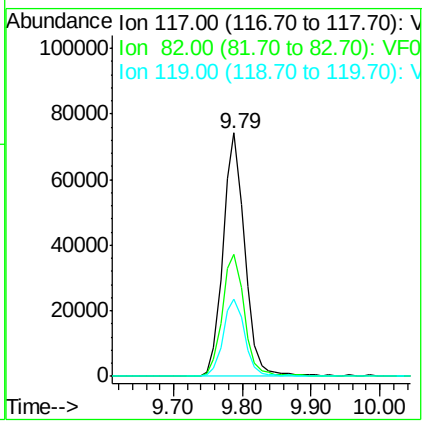


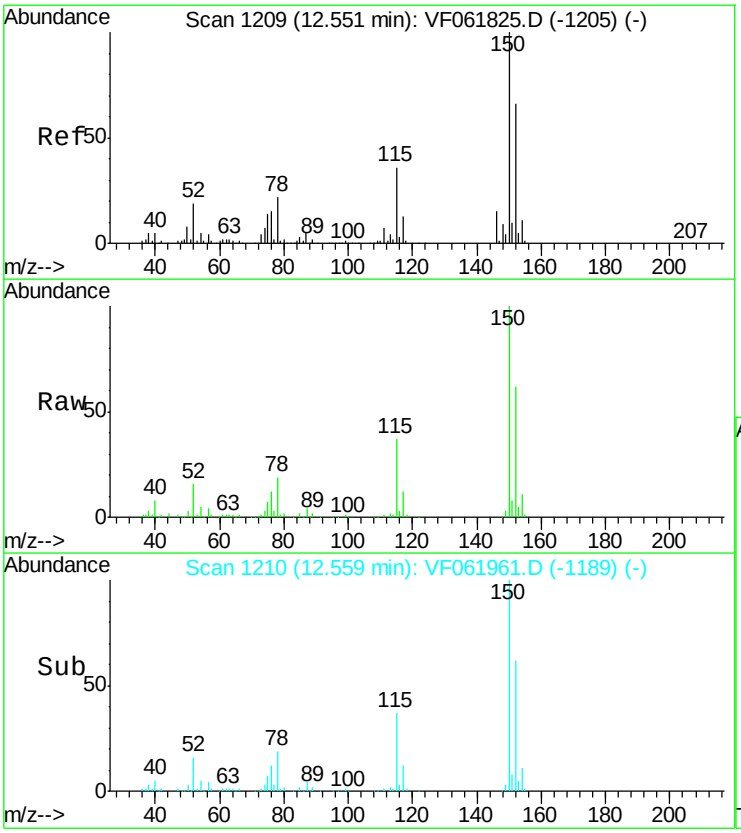

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion:117 Resp: 162315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.1 | 42.6 | 63.8 |
| 119 | 31.6 | 26.0 | 39.0 |

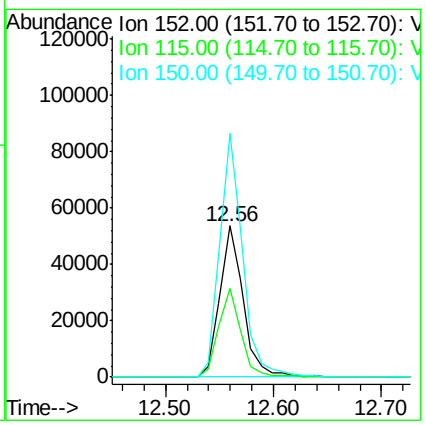


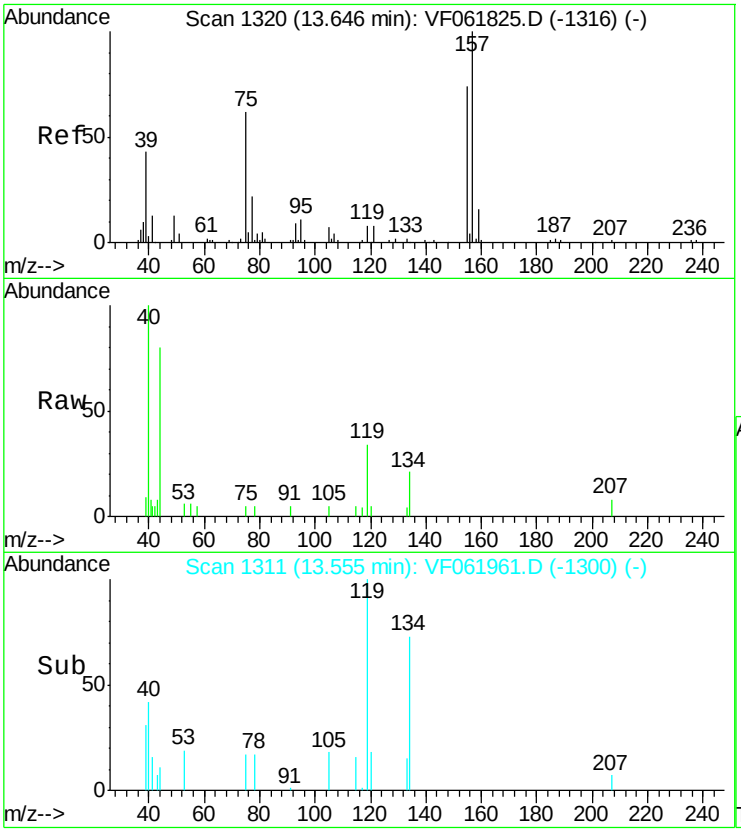




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

Tgt Ion:152 Resp: 80800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.1 | 27.7 | 83.1 |
| 150 | 161.1 | 0.0 | 304.2 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 4.205 ug/l
RT: 13.56 min Scan# 1311
Delta R.T. -0.09 min
Lab File: VF061961.D
Acq: 15 Mar 2019 15:15

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-MW-6(5-5.5)

Tgt Ion: 75 Resp: 76

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 59.8 | 179.4# |
| 157 | 0.0 | 81.2 | 243.4# |