Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
Data File : VF060941.D
Acq On : 7 Dec 2018 21:00
Operator : VA/AP
Sample : J6214-27RE
Misc : 4.25g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** SB-2(0-2)RE

Quant Time: Dec 08 01:58:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

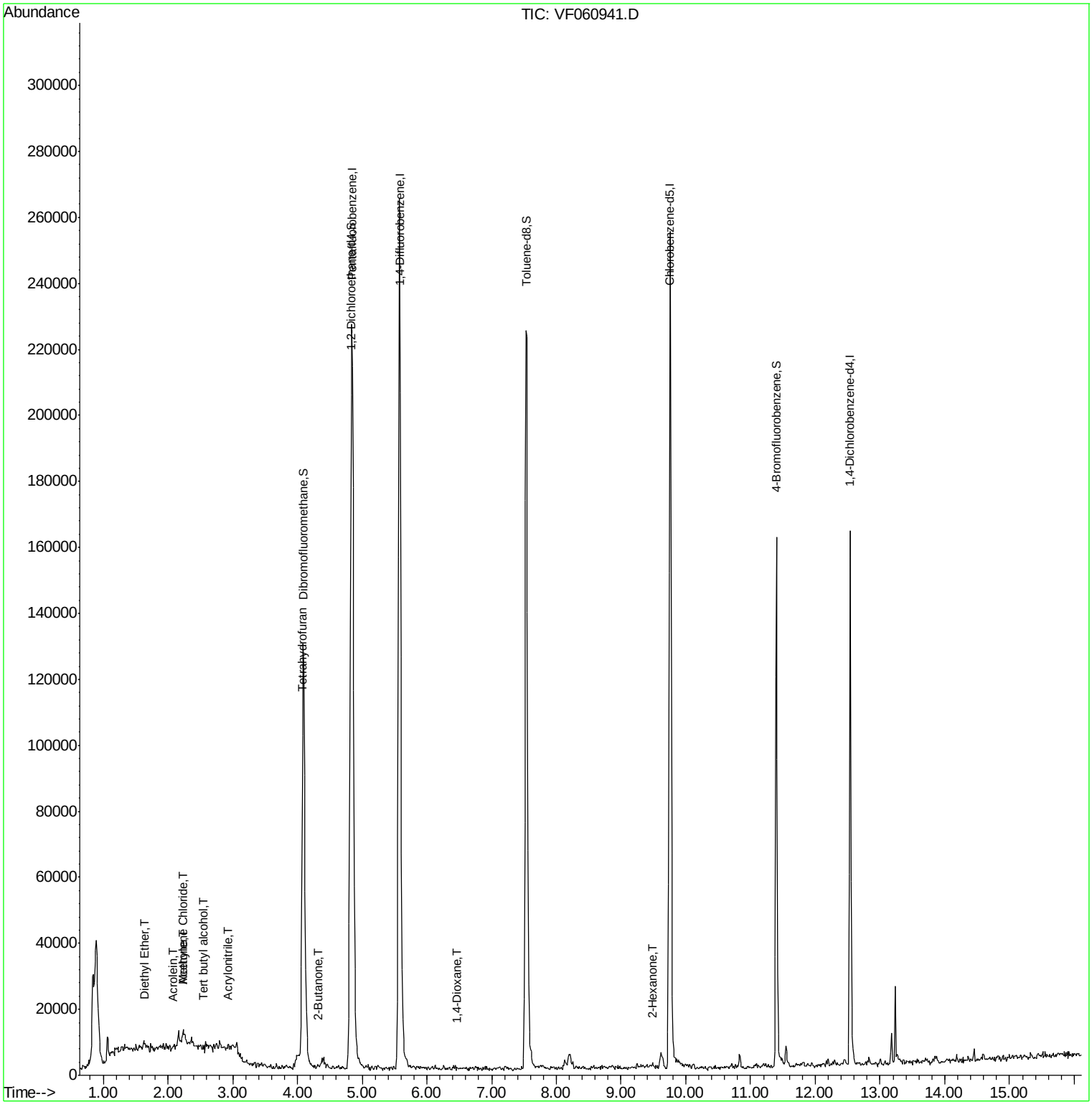
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.85 | 168 | 147392 | 50.00 | ug/l | -0.06 |
| 34) 1,4-Difluorobenzene | 5.58 | 114 | 291642 | 50.00 | ug/l | -0.06 |
| 63) Chlorobenzene-d5 | 9.75 | 117 | 184621 | 50.00 | ug/l | -0.06 |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152 | 42679 | 50.00 | ug/l | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.82 | 65 | 111812 | 64.40 | ug/l | -0.06 |
| Spiked Amount 50.000 | | | Recovery = 128.80% | | | |
| 35) Dibromofluoromethane | 4.09 | 113 | 119074 | 51.47 | ug/l | -0.06 |
| Spiked Amount 50.000 | | | Recovery = 102.94% | | | |
| 50) Toluene-d8 | 7.53 | 98 | 201490 | 29.56 | ug/l | -0.06 |
| Spiked Amount 50.000 | | | Recovery = 59.12% | | | |
| 62) 4-Bromofluorobenzene | 11.40 | 95 | 59952 | 19.36 | ug/l | -0.04 |
| Spiked Amount 50.000 | | | Recovery = 38.72% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 1.64 | 74 | 608 | 1.473 | ug/l | 91 |
| 11) Tert butyl alcohol | 2.54 | 59 | 80 | 1.124 | ug/l # | 1 |
| 13) Acrolein | 2.08 | 56 | 353 | 5.235 | ug/l | 100 |
| 15) Acrylonitrile | 2.92 | 53 | 308 | 1.930 | ug/l # | 8 |
| 16) Acetone | 2.23 | 43 | 869 | 2.714 | ug/l # | 92 |
| 20) Methylene Chloride | 2.24 | 84 | 3180 | 2.707 | ug/l # | 92 |
| 25) 2-Butanone | 4.32 | 43 | 984 | 1.777 | ug/l # | 57 |
| 29) Tetrahydrofuran | 4.07 | 42 | 479 | 2.040 | ug/l # | 37 |
| 41) Methacrylonitrile | 4.75 | 41 | 200 | Below Cal | # | 46 |
| 43) Isopropyl Acetate | 6.90 | 43 | 616 | Below Cal | # | 49 |
| 49) 1,4-Dioxane | 6.47 | 88 | 65 | 7.464 | ug/l # | 1 |
| 59) 2-Hexanone | 9.49 | 43 | 1483 | 1.744 | ug/l | 70 |
| 95) Naphthalene | 14.45 | 128 | 1664 | Below Cal | # | 84 |

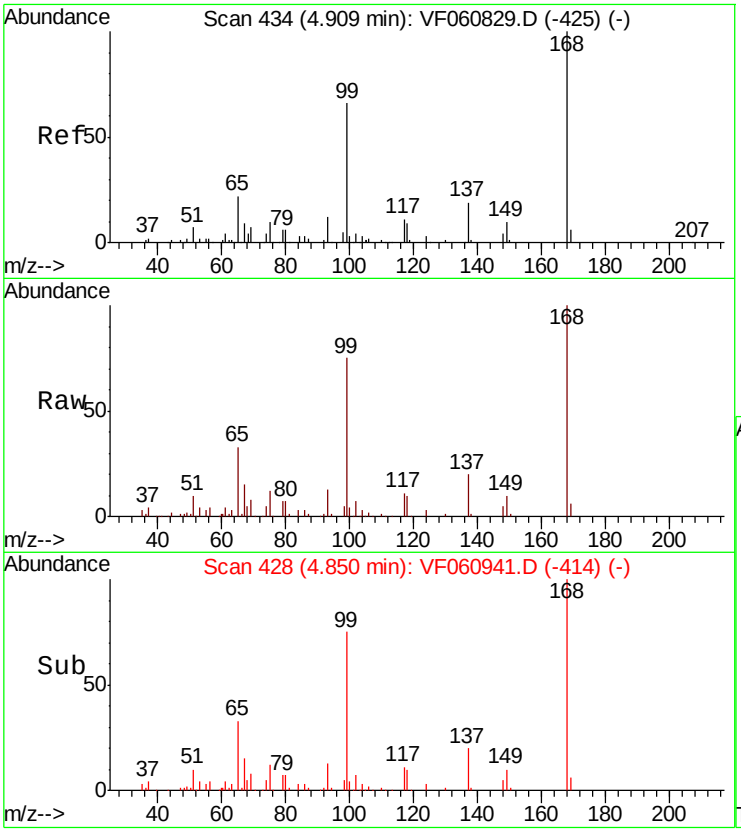
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
Data File : VF060941.D
Acq On : 7 Dec 2018 21:00
Operator : VA/AP
Sample : J6214-27RE
Misc : 4.25g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Quant Time: Dec 08 01:58:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration



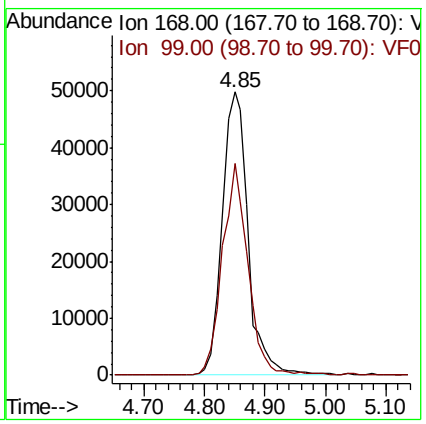


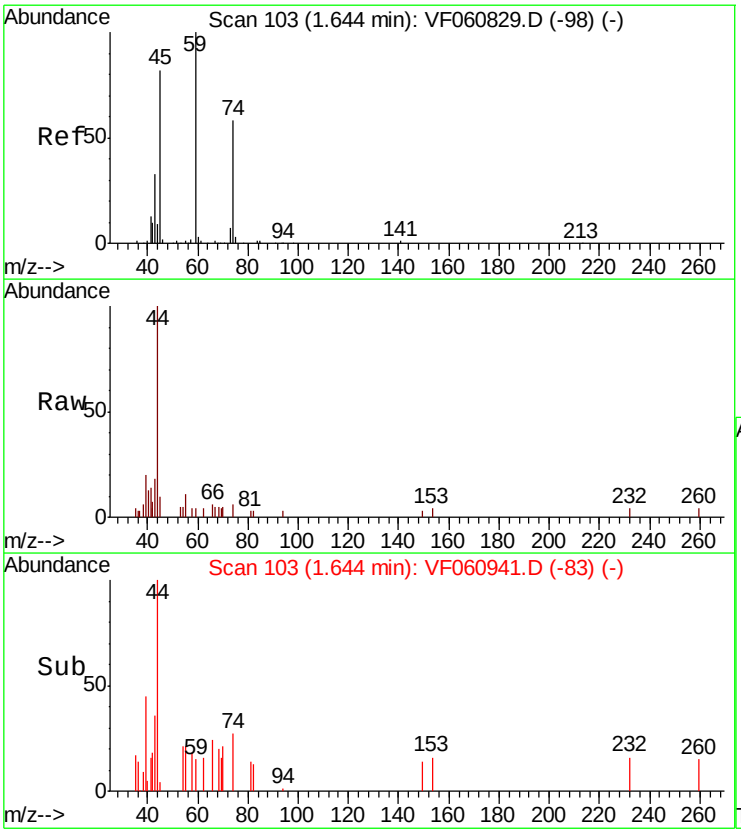

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion:168 Resp: 147392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 74.6 | 52.6 | 79.0 |

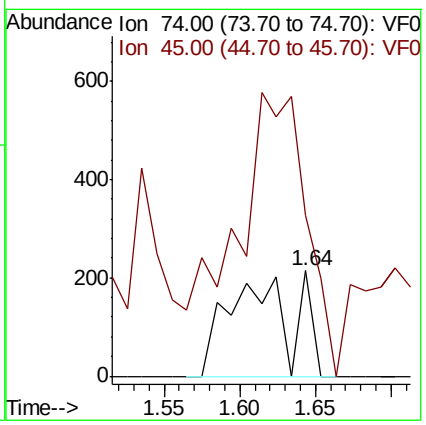


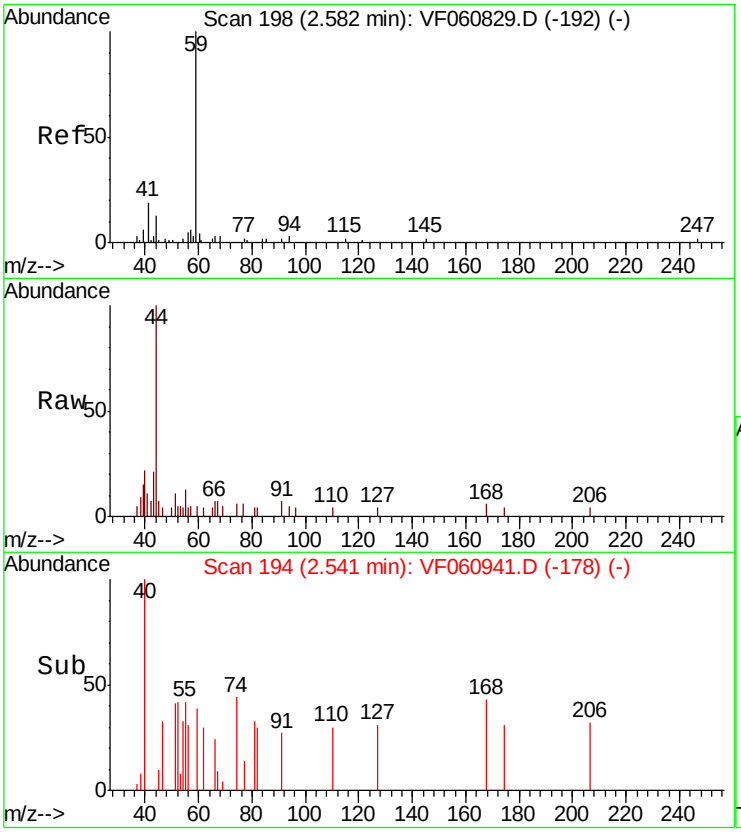




#8
Diethyl Ether
Concen: 1.473 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 74 Resp: 608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 153.3 | 71.0 | 212.8 |



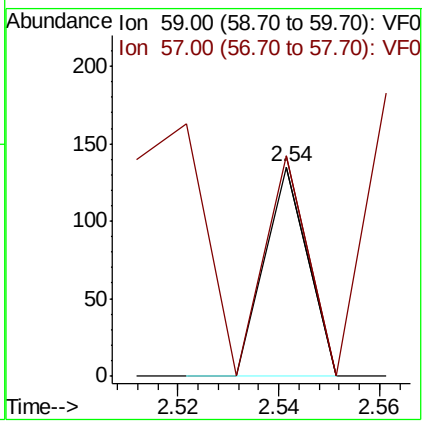


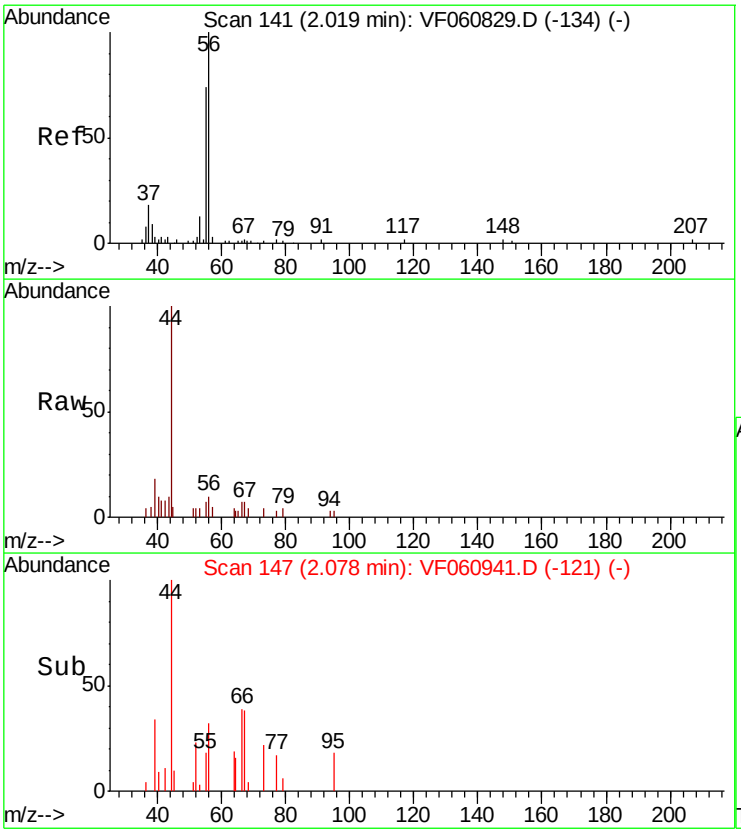

#11
Tert butyl alcohol
Concen: 1.124 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :** MSVOA_F
**ClientSampleId :** SB-2(0-2)RE

Tgt Ion: 59 Resp: 80

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 105.2 | 12.7 | 19.1# |

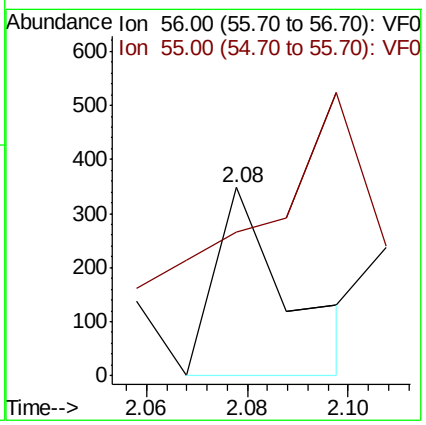


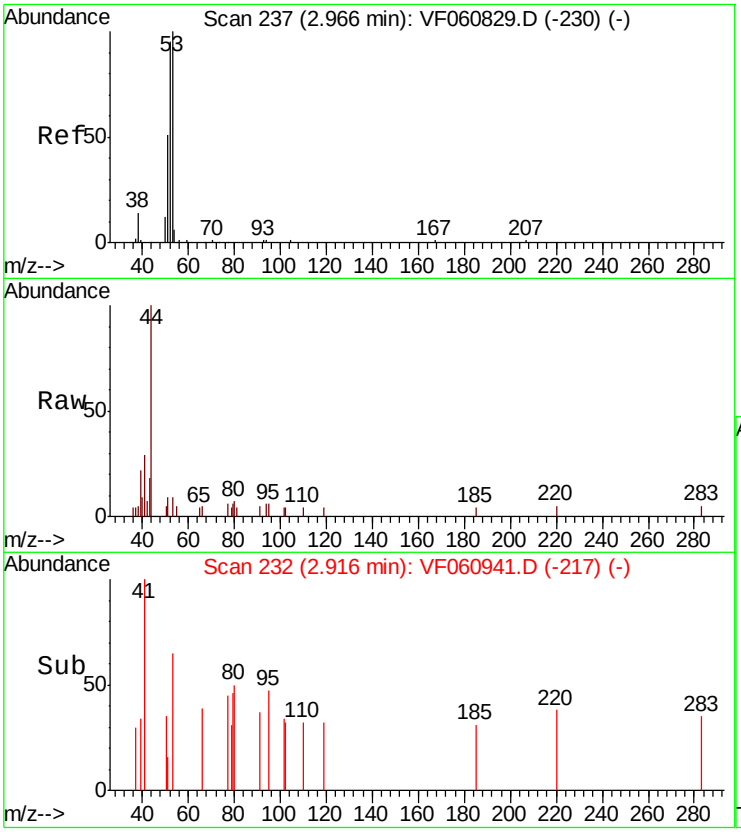




#13
Acrolein
Concen: 5.235 ug/l
RT: 2.08 min Scan# 147
Delta R.T. 0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 56 Resp: 353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 76.1 | 61.2 | 91.8 |



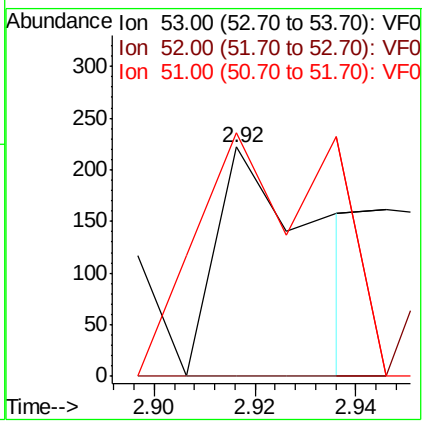


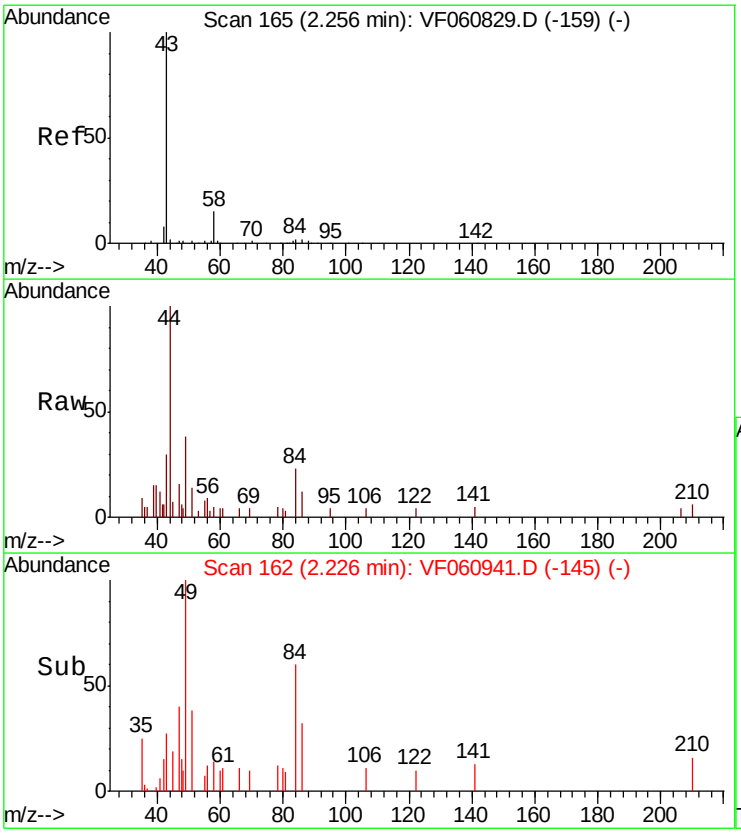

#15
Acrylonitrile
Concen: 1.930 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.05 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion: 53 Resp: 308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 0.0 | 76.5 | 114.7# |
| 51 | 106.3 | 40.7 | 61.1# |

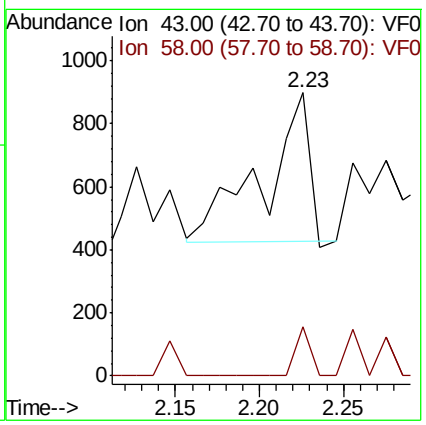


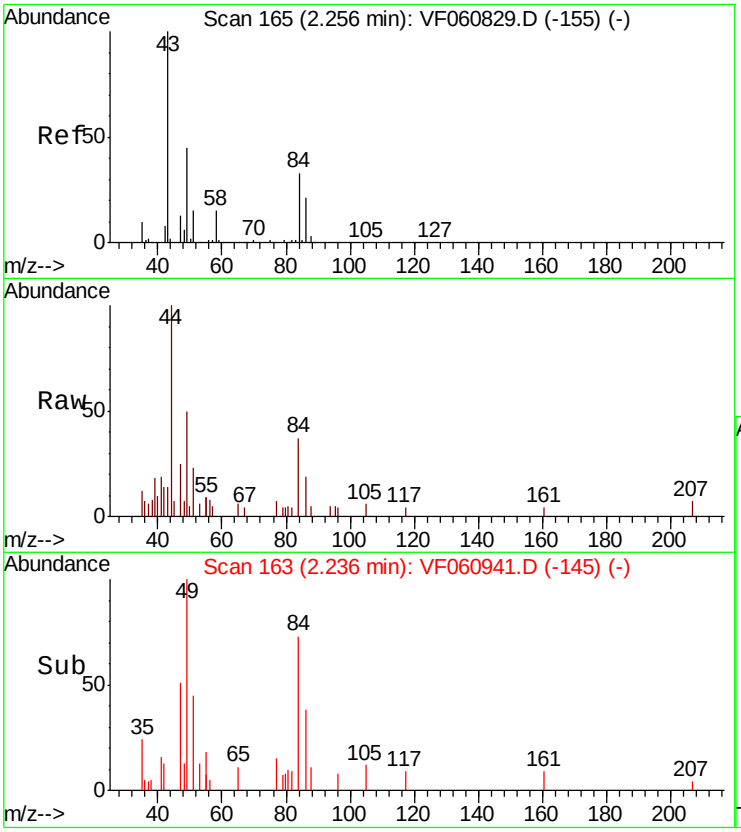




#16
Acetone
Concen: 2.714 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.03 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 43 Resp: 869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.5 | 11.4 | 17.2# |



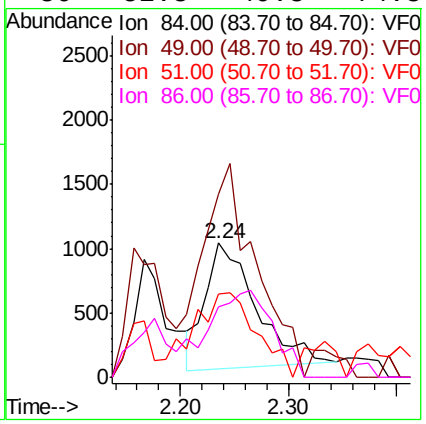


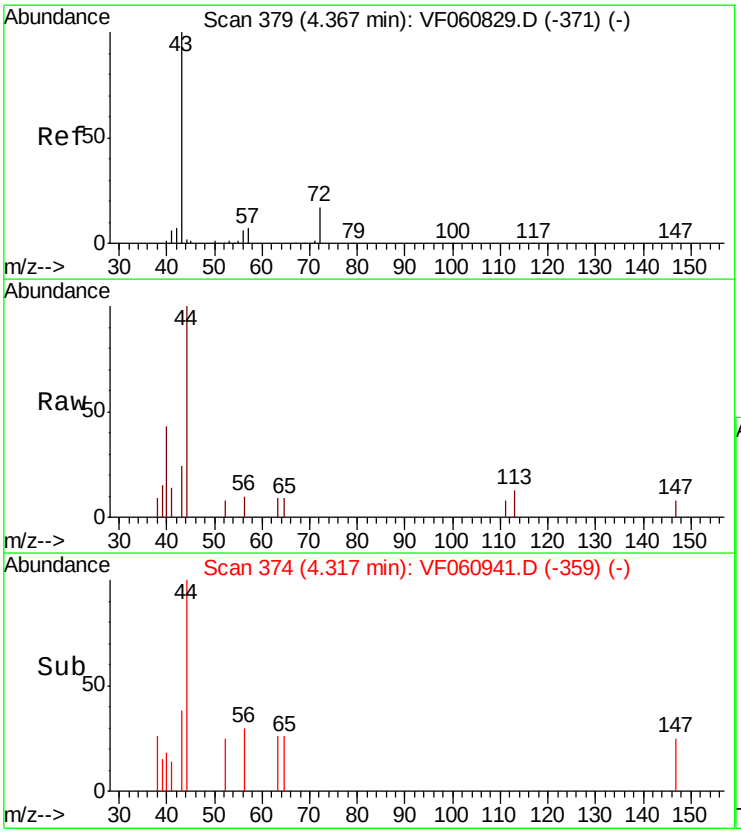

#20
Methylene Chloride
Concen: 2.707 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :** MSVOA_F
**ClientSampleId :** SB-2(0-2)RE

Tgt Ion: 84 Resp: 3180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.6 | 111.3 | 166.9 |
| 51 | 61.7 | 38.0 | 57.0# |
| 86 | 52.3 | 49.8 | 74.8 |

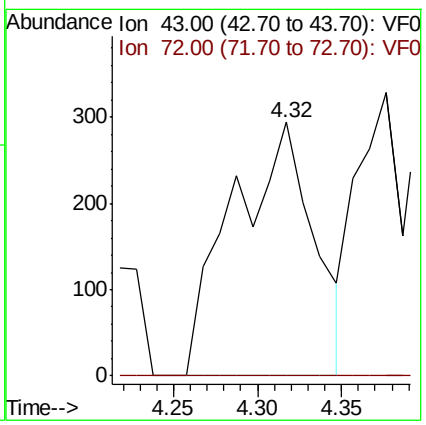


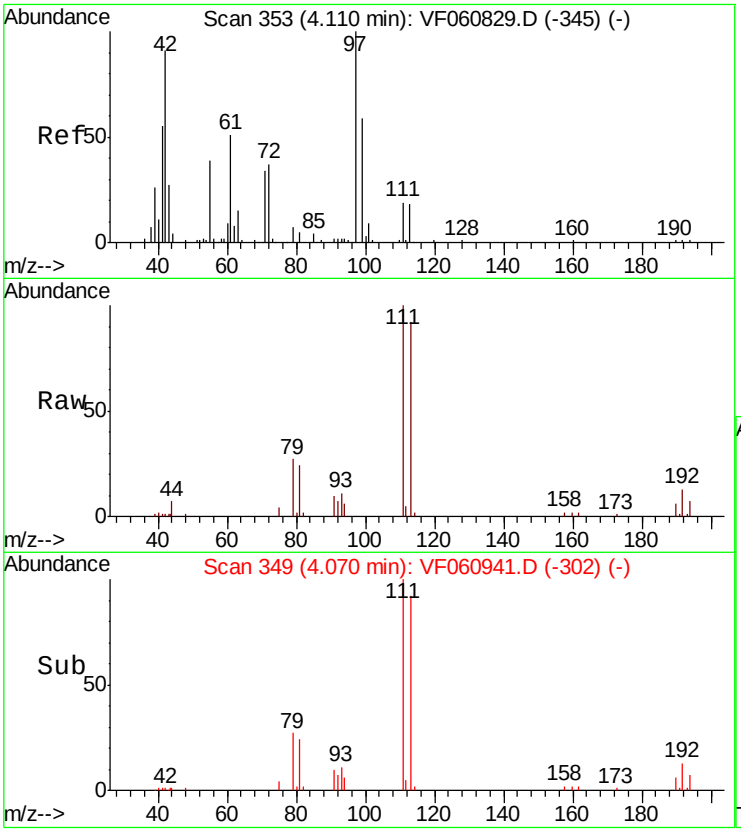




#25
2-Butanone
Concen: 1.777 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.05 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 43 Resp: 984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 15.4 | 23.2# |



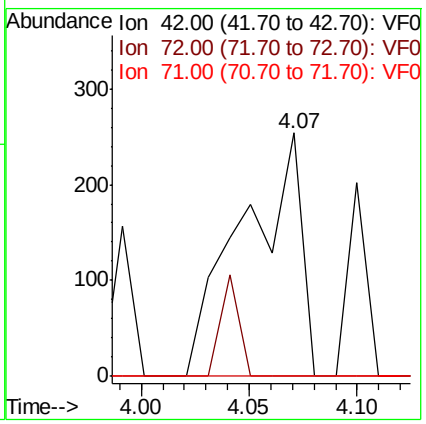


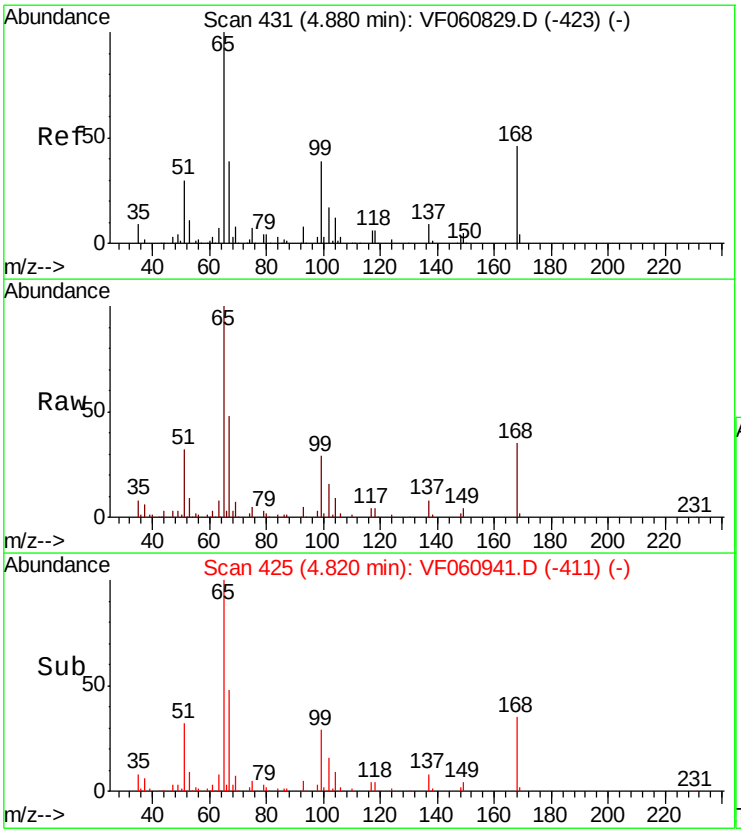

#29
Tetrahydrofuran
Concen: 2.040 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.04 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion: 42 Resp: 479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 31.9 | 47.9# |
| 71 | 0.0 | 28.7 | 43.1# |

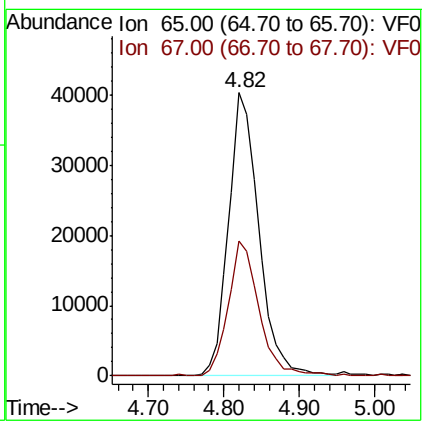


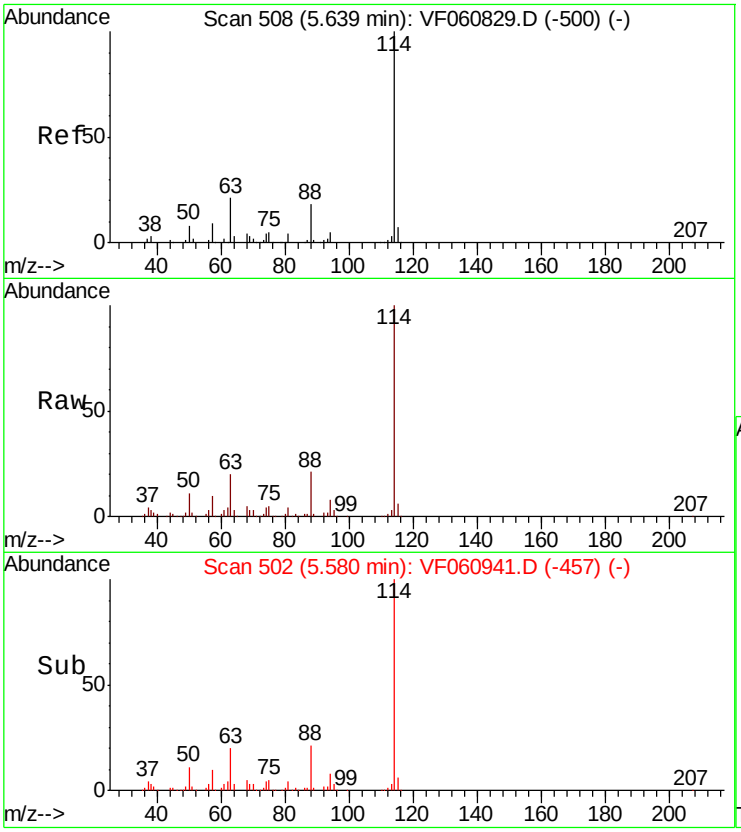




#33
1,2-Dichloroethane-d4
Concen: 64.396 ug/l
RT: 4.82 min Scan# 425
Delta R.T. -0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 65 Resp: 111812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 47.8 | 0.0 | 96.4 |



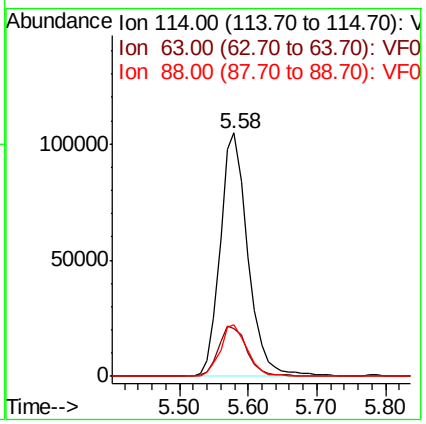


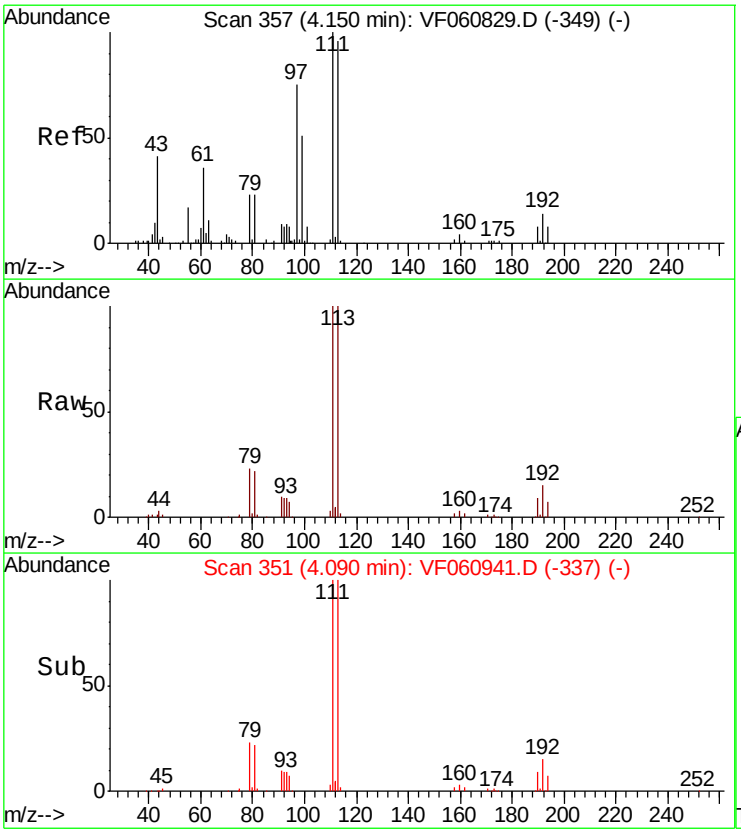

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion:114 Resp: 291642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 41.6 |
| 88 | 21.3 | 0.0 | 36.6 |

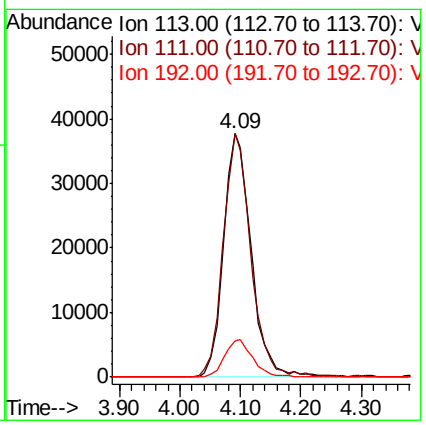


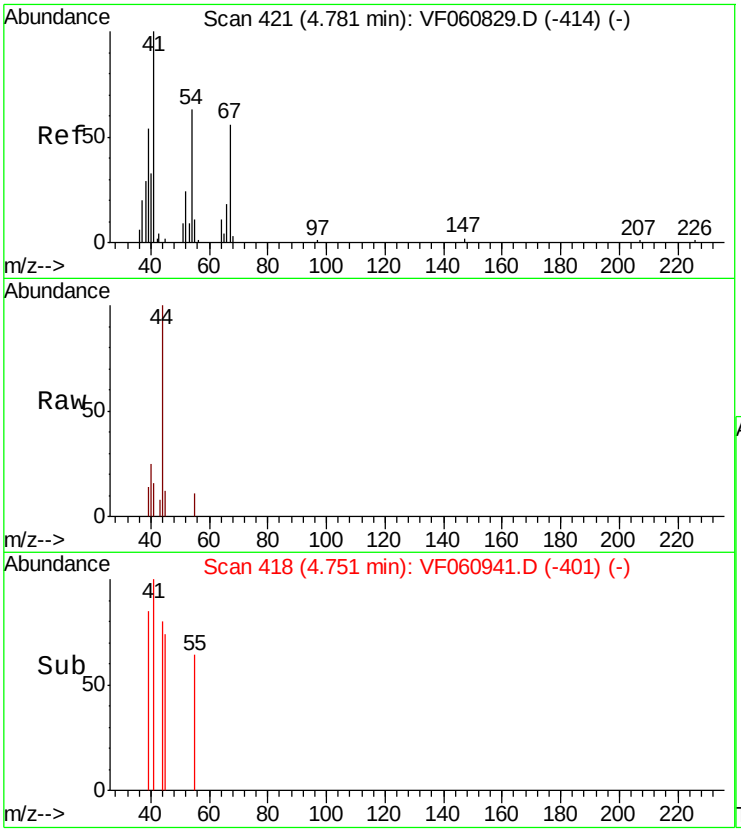




#35
Dibromofluoromethane
Concen: 51.465 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion:113 Resp: 119074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.9 | 83.0 | 124.6 |
| 192 | 14.9 | 12.3 | 18.5 |



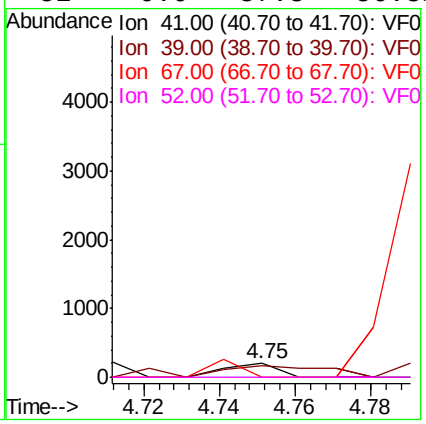


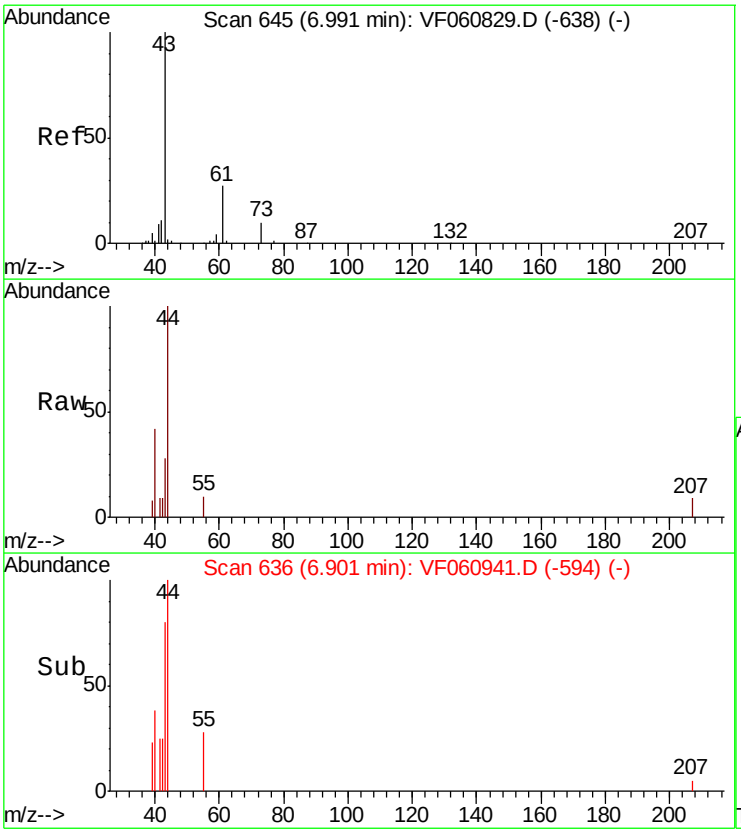

#41
Methacrylonitrile
Concen: Below Cal
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion: 41 Resp: 200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 84.7 | 53.0 | 79.6# |
| 67 | 0.0 | 43.8 | 65.6# |
| 52 | 0.0 | 37.8 | 56.8# |

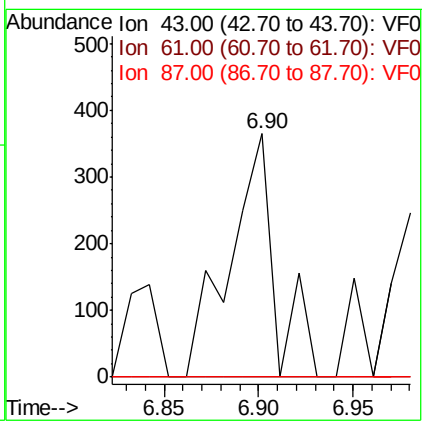


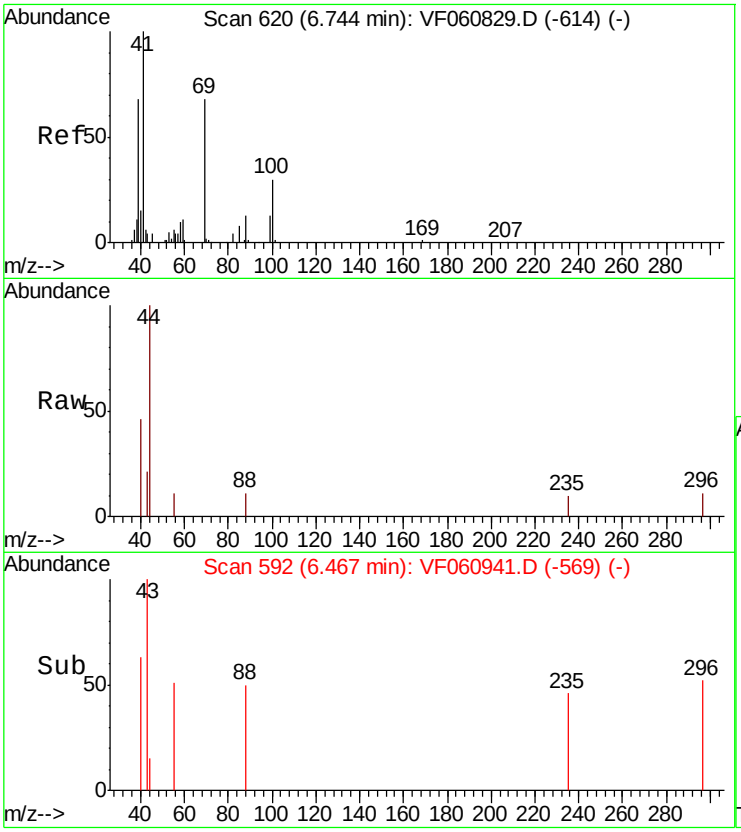




#43
Isopropyl Acetate
Concen: Below Cal
RT: 6.90 min Scan# 636
Delta R.T. -0.09 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 43 Resp: 616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 21.4 | 32.0# |
| 87 | 0.0 | 0.2 | 0.4# |



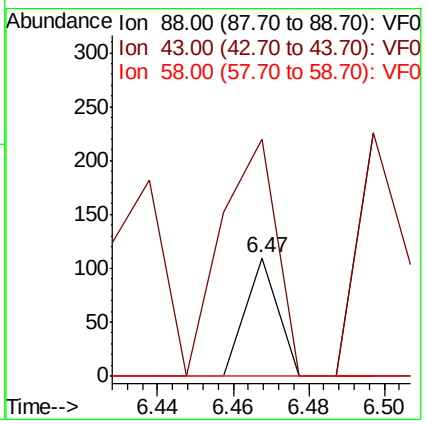


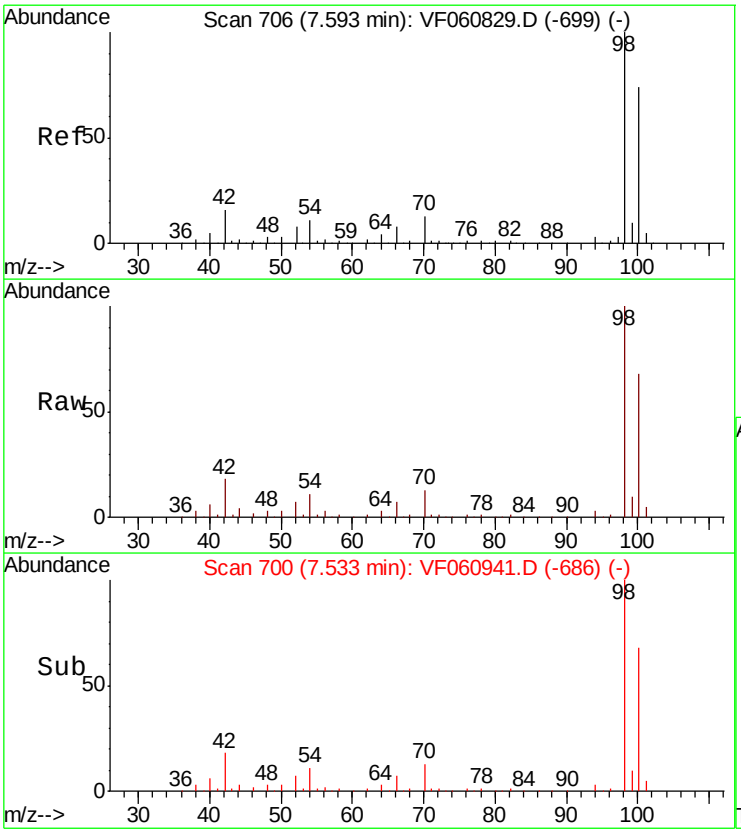

#49
1,4-Dioxane
Concen: 7.464 ug/l
RT: 6.47 min Scan# 592
Delta R.T. -0.28 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion: 88 Resp: 65

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 200.0 | 42.0 | 63.0# |
| 58 | 0.0 | 61.8 | 92.8# |

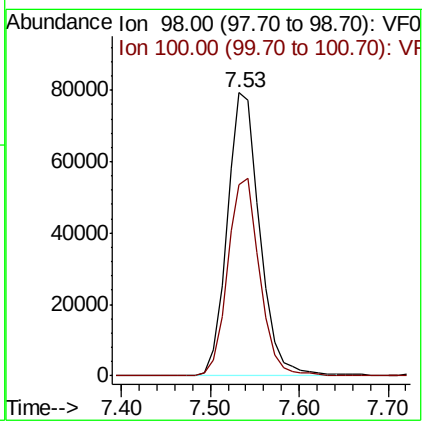


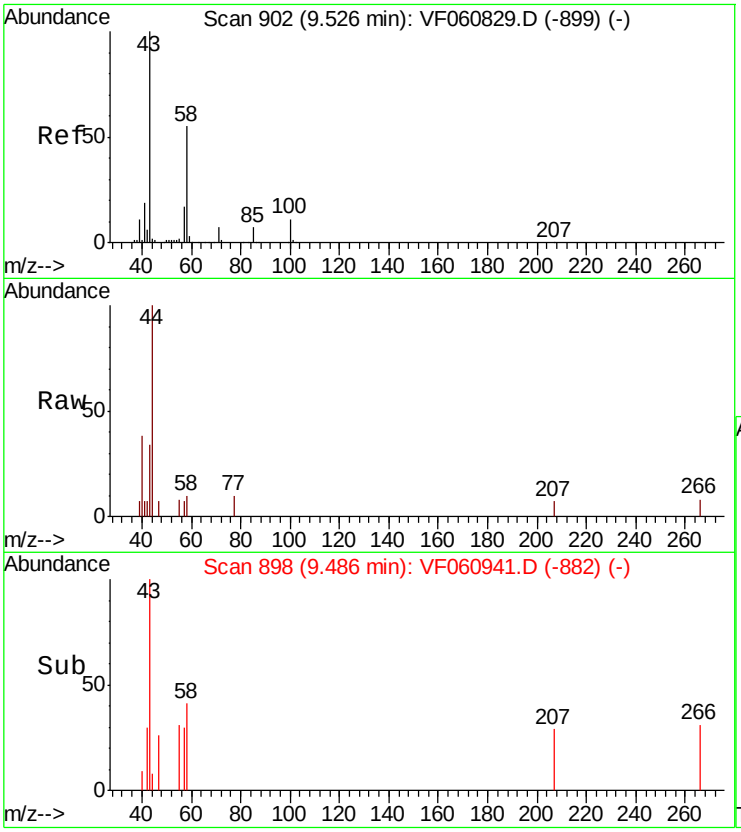




#50
Toluene-d8
Concen: 29.564 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 98 Resp: 201490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.6 | 59.3 | 88.9 |



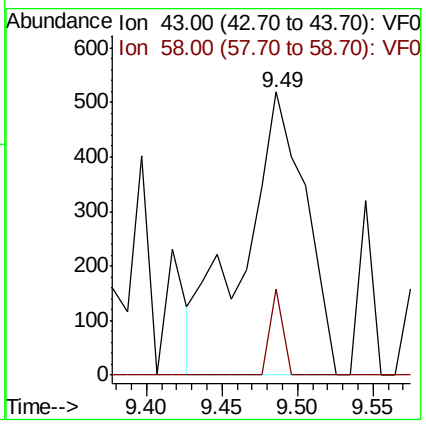


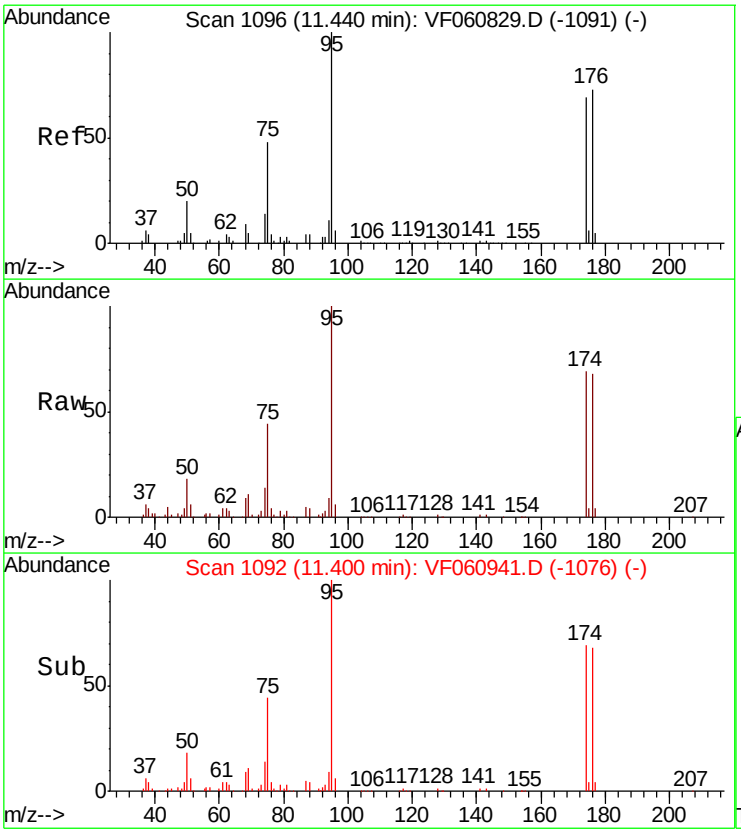

#59
2-Hexanone
Concen: 1.744 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.04 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion: 43 Resp: 1483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.3 | 25.6 | 76.6 |

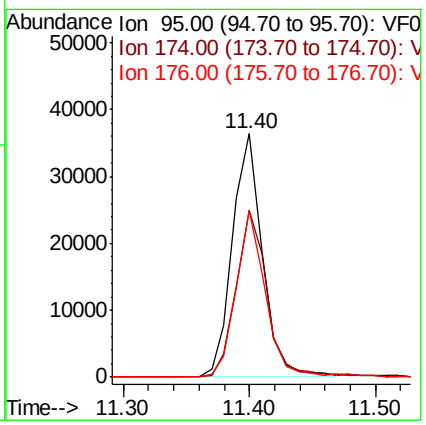


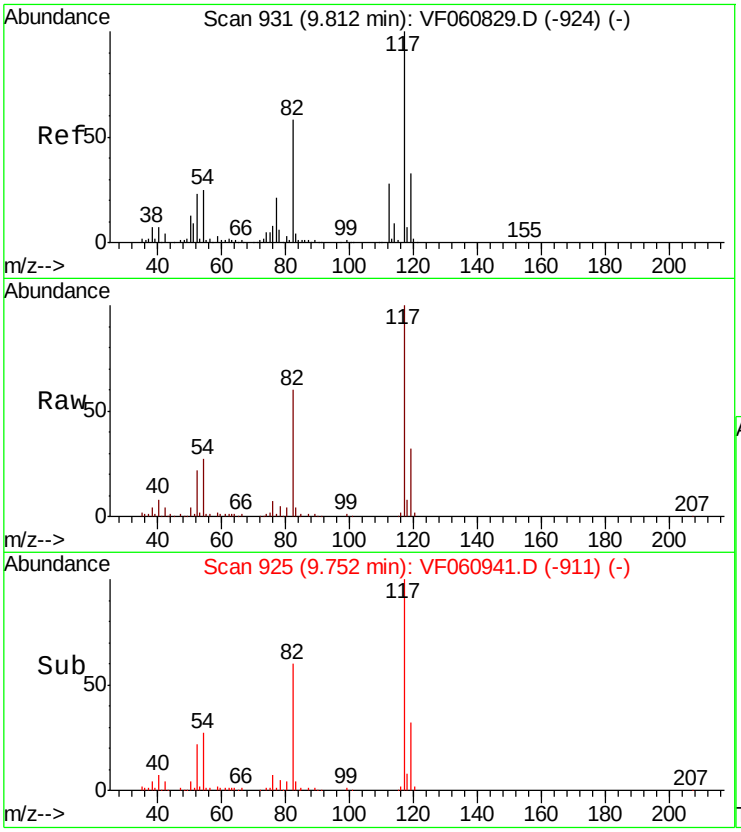




#62
4-Bromofluorobenzene
Concen: 19.355 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion: 95 Resp: 59952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.6 | 0.0 | 138.2 |
| 176 | 68.3 | 0.0 | 146.2 |



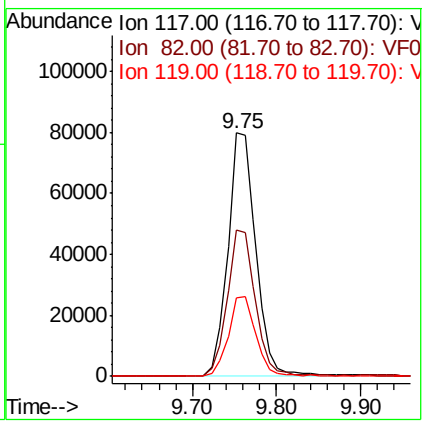


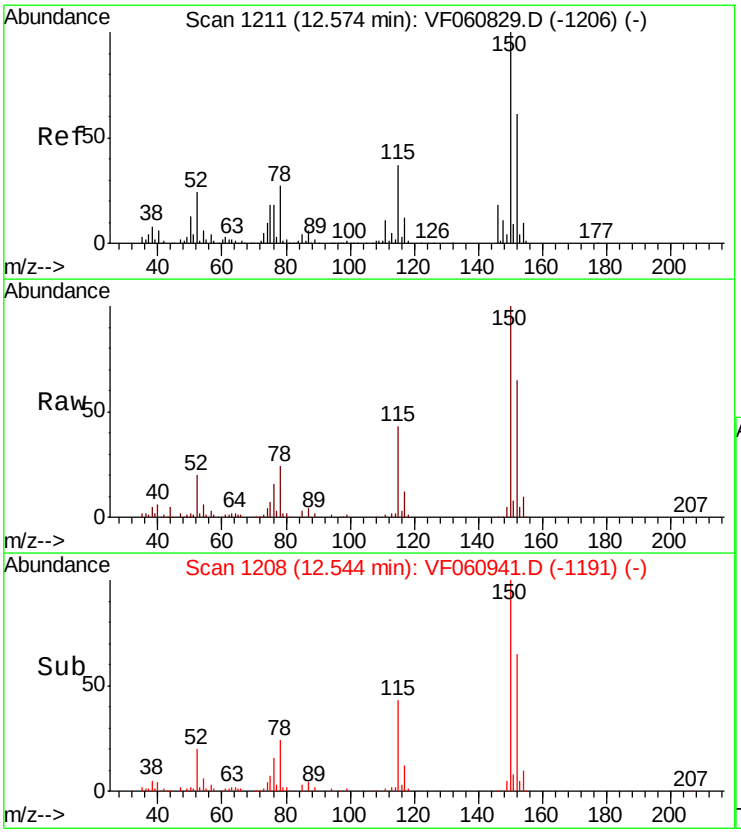

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.06 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion:117 Resp: 184621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.9 | 46.6 | 69.8 |
| 119 | 32.0 | 26.4 | 39.6 |

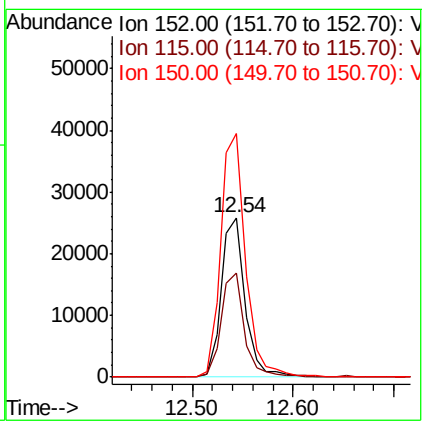


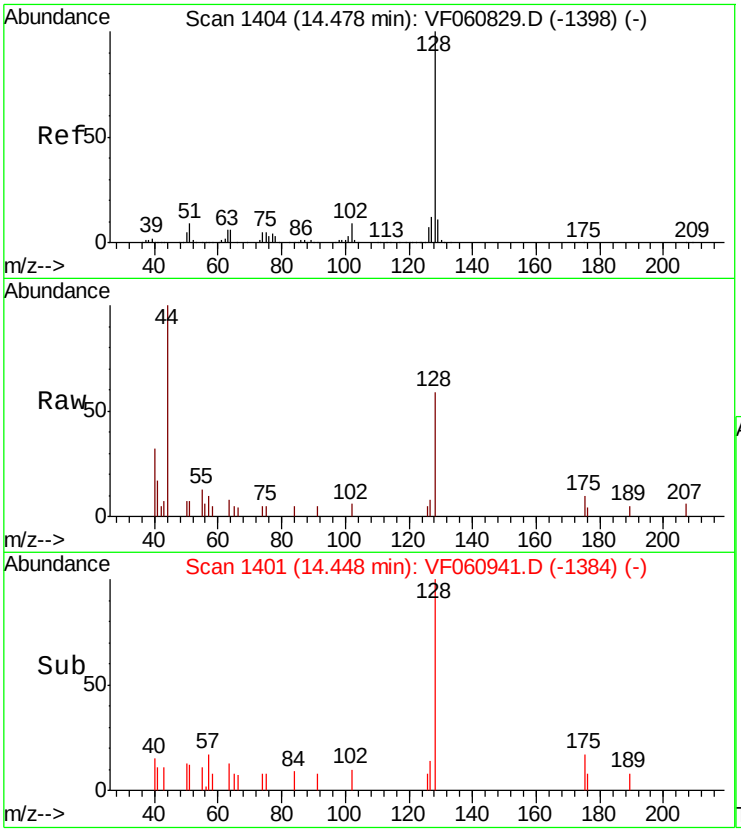




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.03 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

Tgt Ion:152 Resp: 42679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.2 | 30.1 | 90.5 |
| 150 | 152.8 | 0.0 | 327.6 |






#95
Naphthalene
Concen: Below Cal
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060941.D
Acq: 7 Dec 2018 21:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SB-2(0-2)RE

Tgt Ion:128 Resp: 1664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.8 | 9.9 | 14.9 |
| 129 | 0.0 | 9.1 | 13.7# |