Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF022819\
Data File : VF061786.D
Acq On : 28 Feb 2019 14:25
Operator : VA/AP
Sample : VF0228SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0228SBL01

Quant Time: Mar 01 00:18:07 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 | 4.85 | 168 | 322697 | 50.00 | ug/l | -0.03 |
| 34) 1,4-Difluorobenzene | 5.58 | 114 | 471468 | 50.00 | ug/l | -0.02 |
| 63) Chlorobenzene-d5 | 9.77 | 117 | 410092 | 50.00 | ug/l | -0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152 | 242739 | 50.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.83 | 65 | 127671 | 53.95 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 107.90% | | | |
| 35) Dibromofluoromethane | 4.10 | 113 | 189626 | 54.16 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 108.32% | | | |
| 50) Toluene-d8 | 7.54 | 98 | 475179 | 47.21 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 94.42% | | | |
| 62) 4-Bromofluorobenzene | 11.40 | 95 | 197664 | 48.54 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 97.08% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acrolein | 1.98 | 56 | 621 | 3.608 | ug/l # | 42 |
| 15) Acrylonitrile | 2.92 | 53 | 522 | 1.075 | ug/l # | 18 |
| 16) Acetone | 2.25 | 43 | 2442 | 4.810 | ug/l | 99 |
| 18) Methyl Acetate | 2.37 | 43 | 9225 | 8.065 | ug/l # | 71 |
| 20) Methylene Chloride | 2.18 | 84 | 6559 | Below Cal | | 92 |
| 49) 1,4-Dioxane | 6.24 | 88 | 62 | 4.268 | ug/l # | 1 |

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

Quantitation Report (Not Reviewed)

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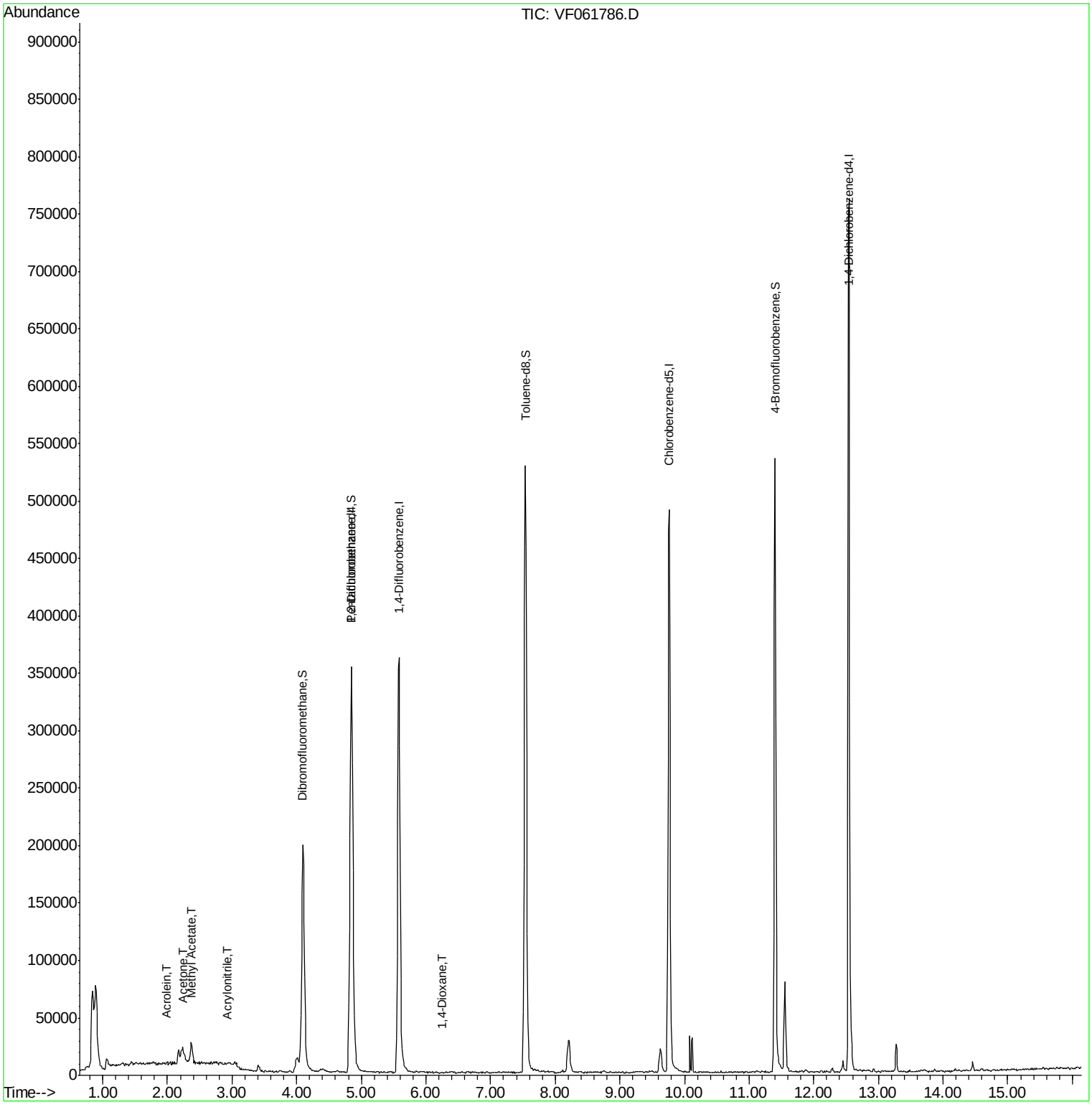
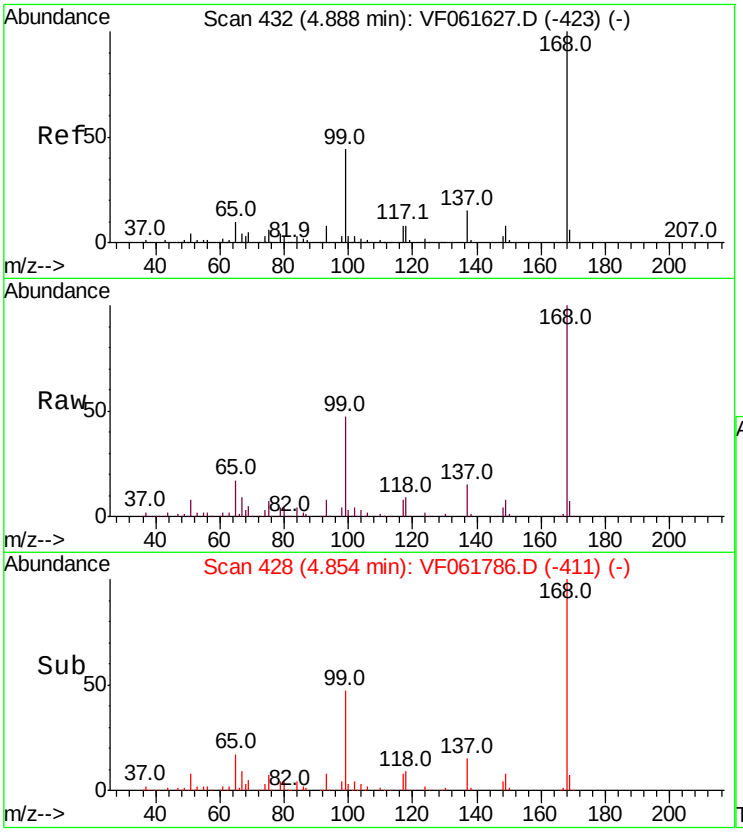
Data File : VF061786.D
Acq On : 28 Feb 2019 14:25
Operator : VA/AP
Sample : VF0228SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0228SBL01

Quant Time: Mar 01 00:18:07 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



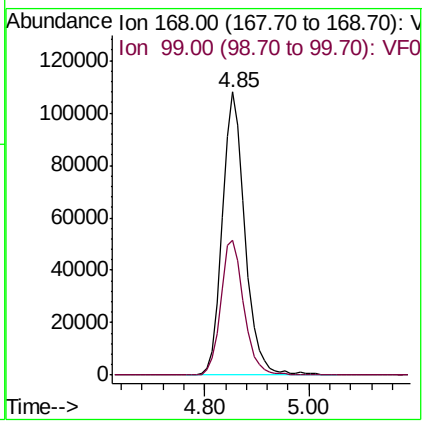


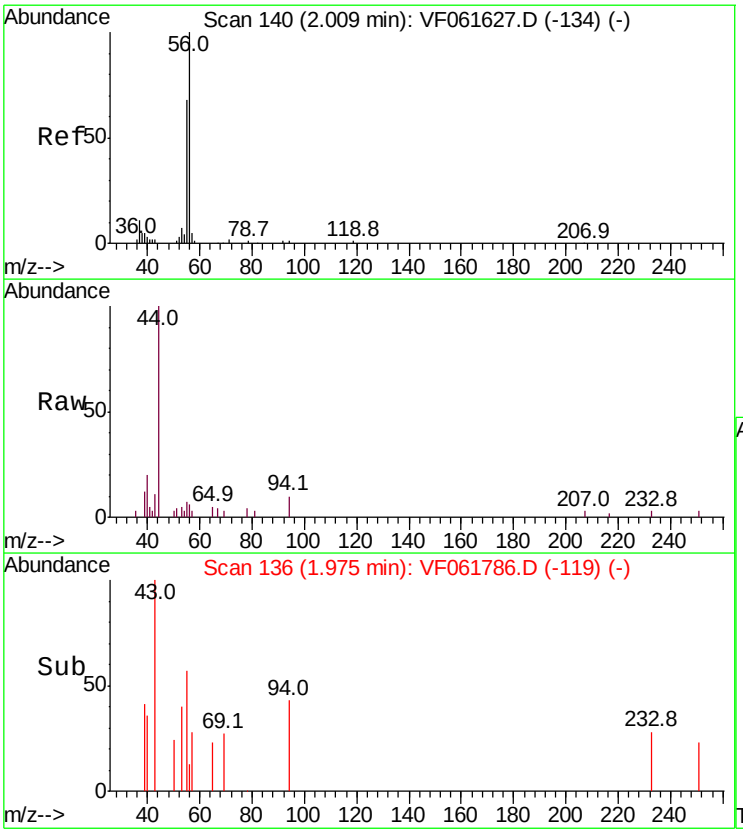

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.85 min Scan# 428
Delta R.T. -0.03 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0228SBL01

Tgt Ion:168 Resp: 322697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.5 | 34.9 | 52.3 |

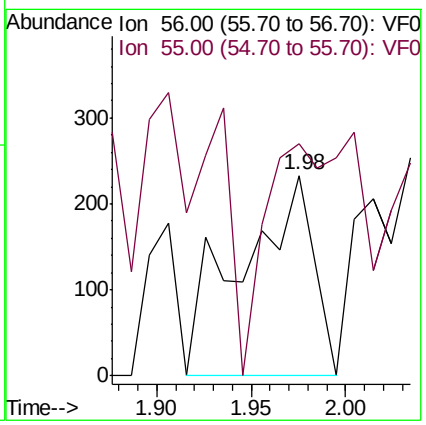


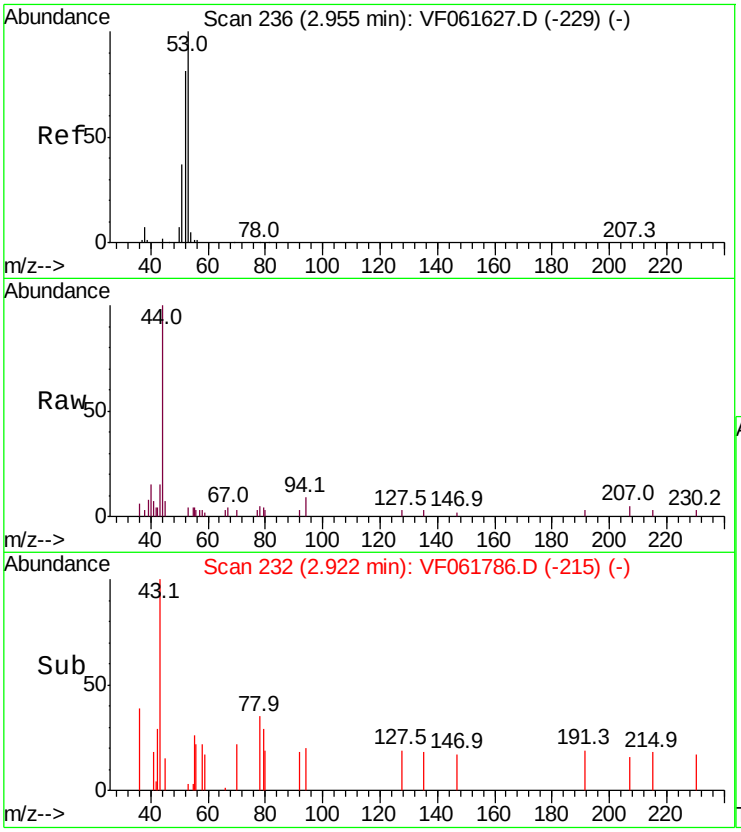




#13
Acrolein
Concen: 3.608 ug/l
RT: 1.98 min Scan# 136
Delta R.T. -0.03 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

Tgt Ion: 56 Resp: 621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 115.9 | 55.0 | 82.6# |



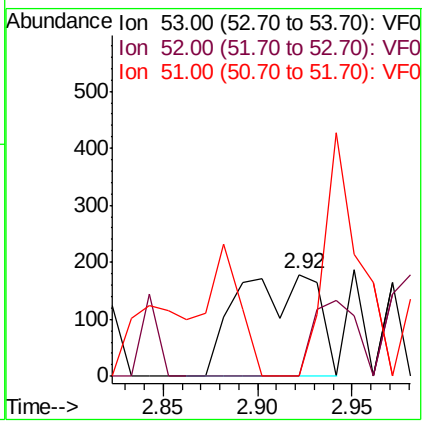


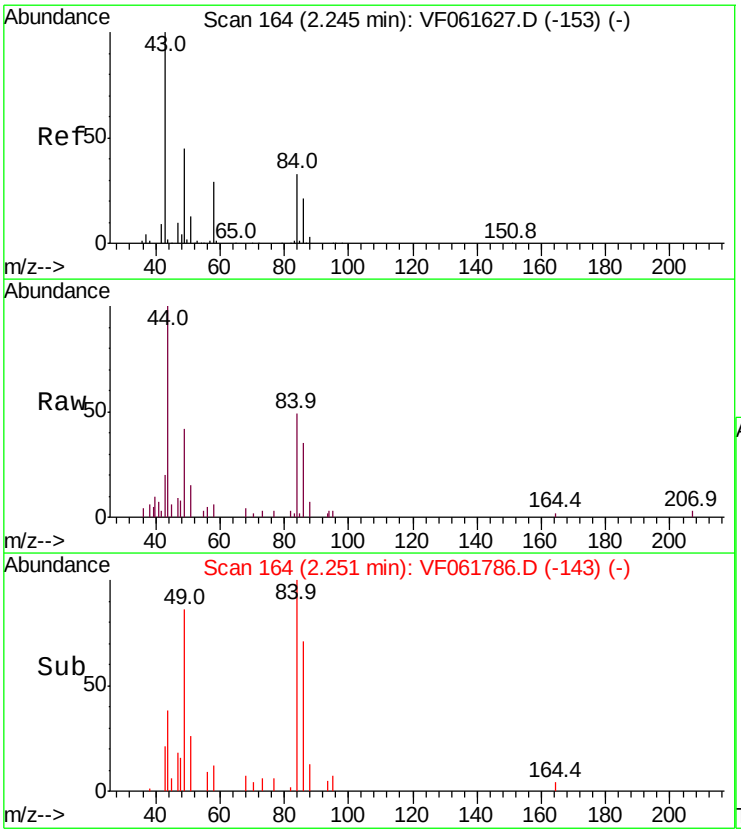

#15
Acrylonitrile
Concen: 1.075 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.03 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0228SBL01

Tgt Ion: 53 Resp: 522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 0.0 | 64.6 | 97.0# |
| 51 | 0.0 | 29.8 | 44.8# |

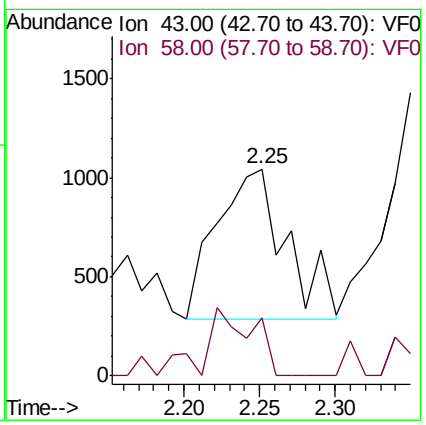


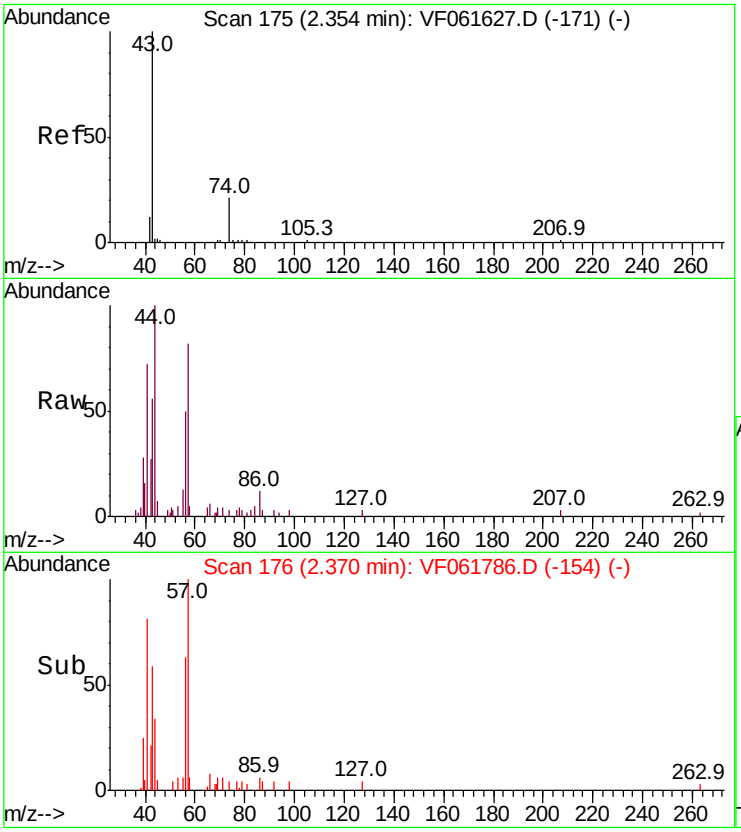




#16
Acetone
Concen: 4.810 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

Tgt Ion: 43 Resp: 2442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 22.9 | 34.3 |



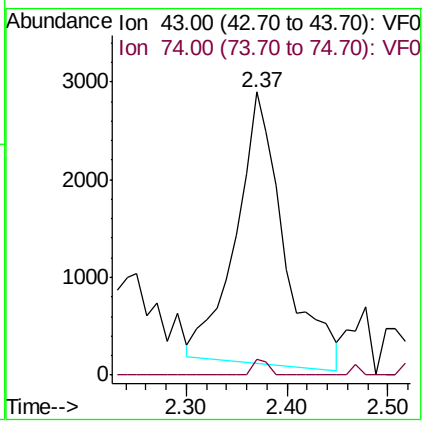


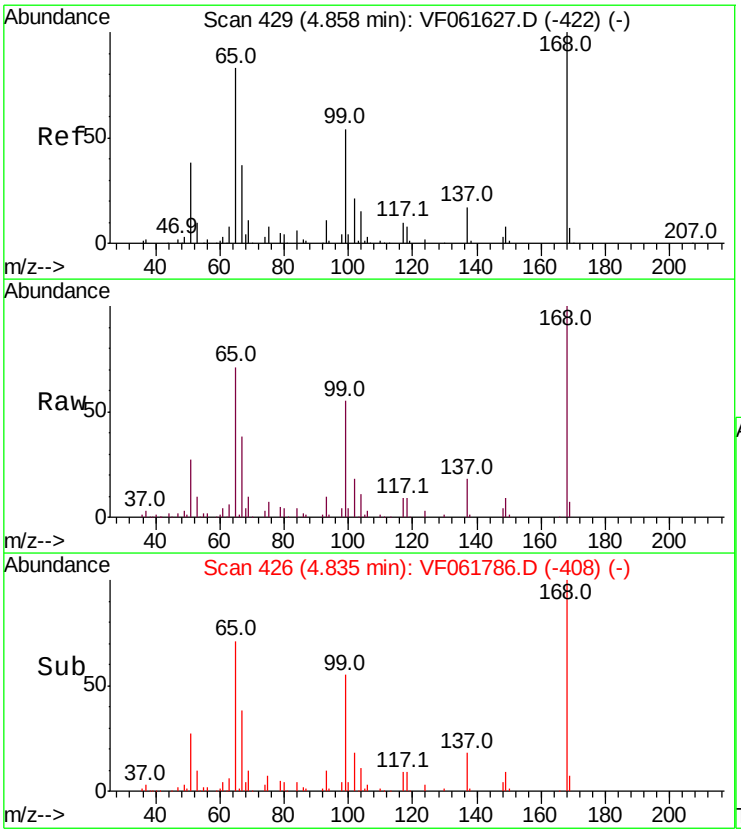

#18
Methyl Acetate
Concen: 8.065 ug/l
RT: 2.37 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0228SBL01

Tgt Ion: 43 Resp: 9225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 5.5 | 14.6 | 21.8# |

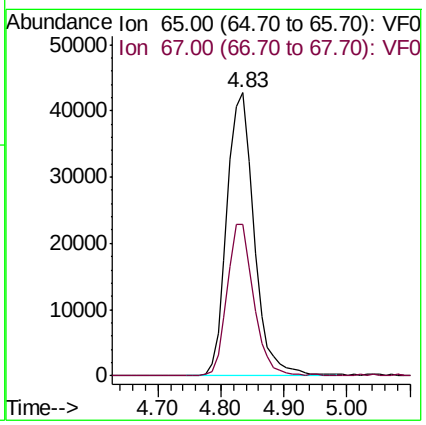


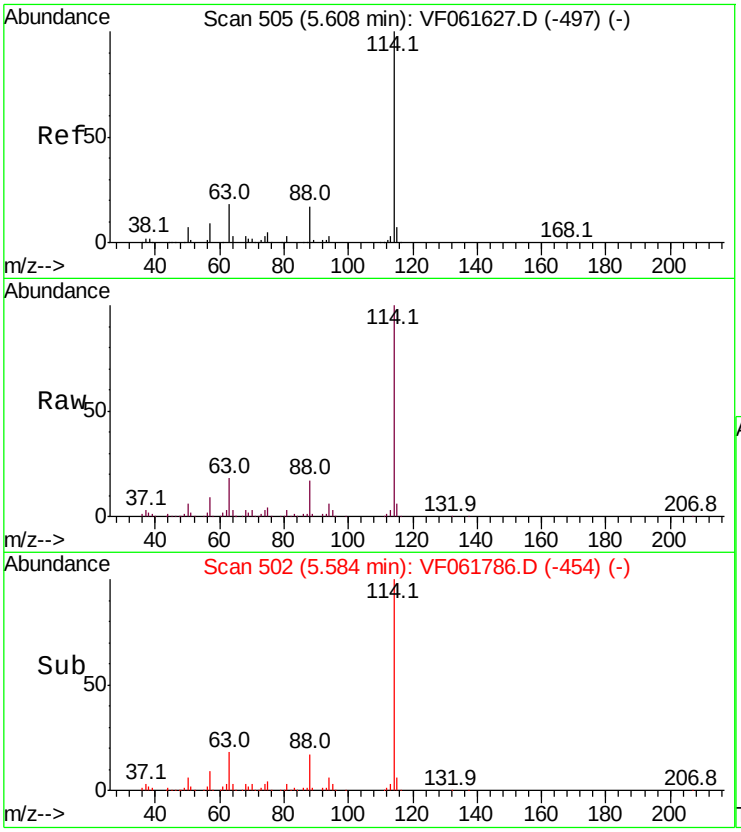




#33
1,2-Dichloroethane-d4
Concen: 53.952 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

Tgt Ion: 65 Resp: 127671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.5 | 0.0 | 104.0 |



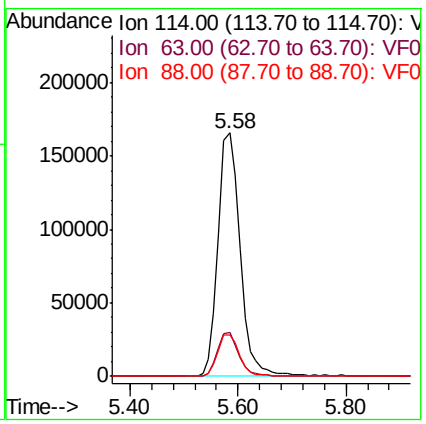


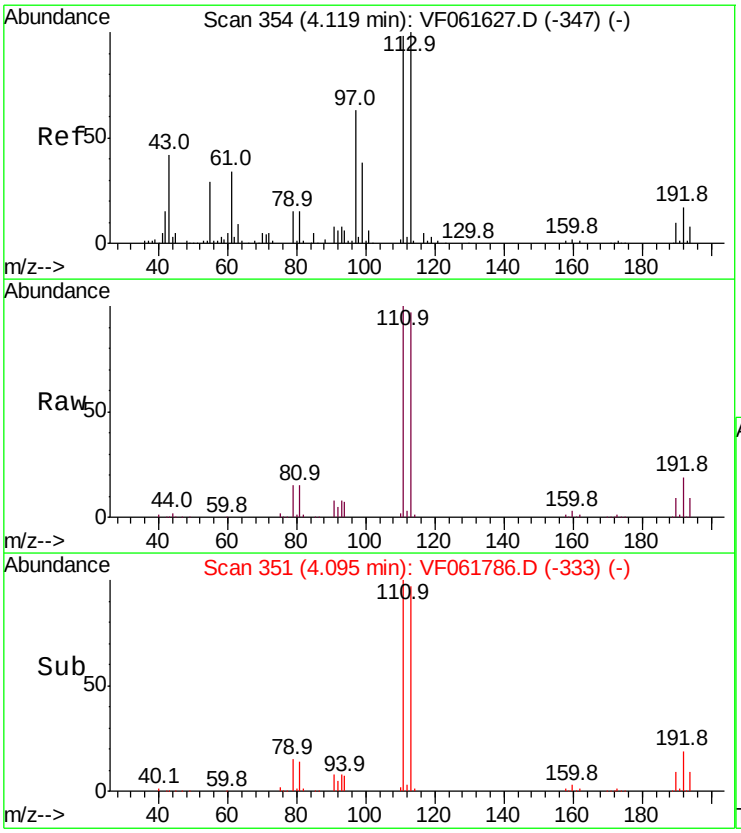

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.58 min Scan# 502
Delta R.T. -0.02 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0228SBL01

Tgt Ion:114 Resp: 471468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.2 | 0.0 | 36.6 |
| 88 | 17.0 | 0.0 | 34.4 |

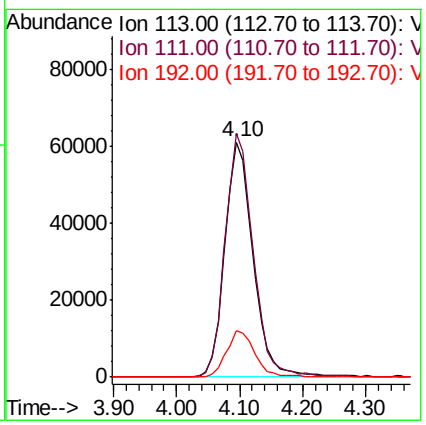


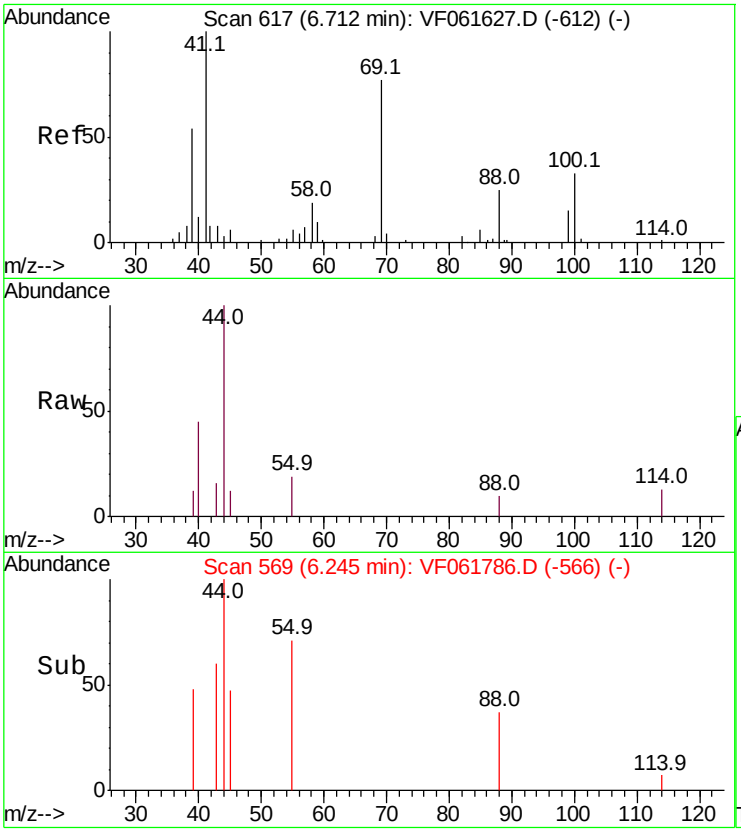




#35
Dibromofluoromethane
Concen: 54.161 ug/l
RT: 4.10 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

Tgt Ion:113 Resp: 189626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 78.8 | 118.2 |
| 192 | 20.1 | 13.4 | 20.0# |



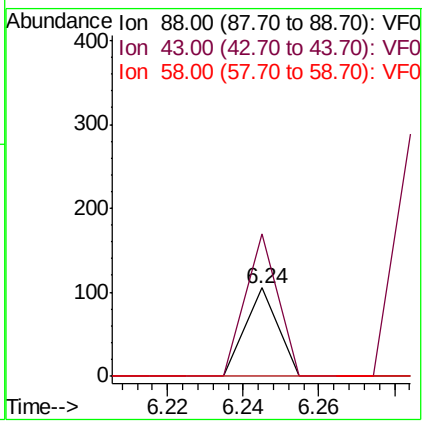


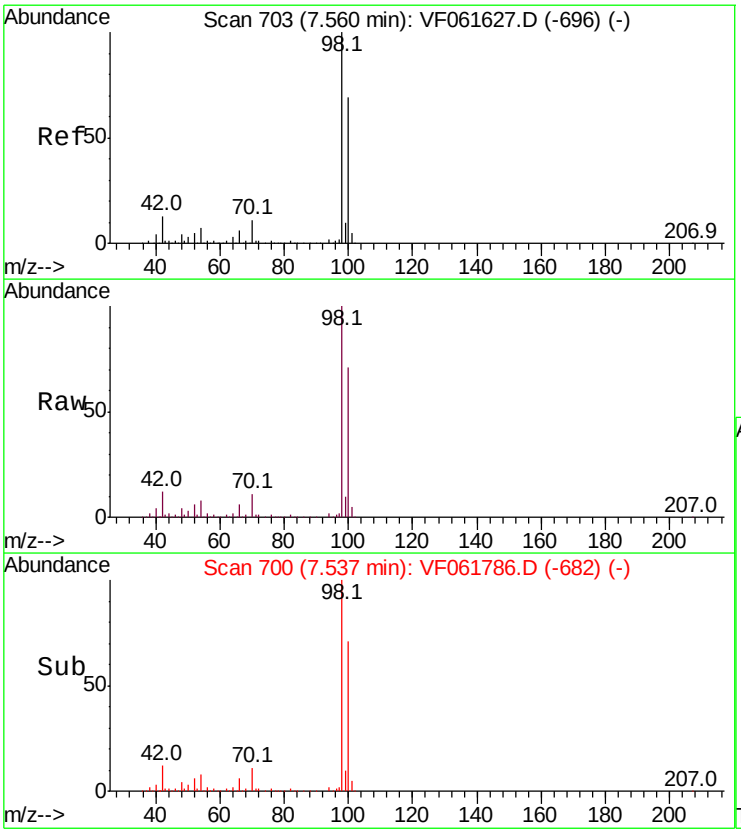

#49
1,4-Dioxane
Concen: 4.268 ug/l
RT: 6.24 min Scan# 569
Delta R.T. -0.47 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :** MSVOA_F
**ClientSampleId :** VF0228SBL01

Tgt Ion: 88 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 161.0 | 32.3 | 48.5# |
| 58 | 0.0 | 59.4 | 89.2# |

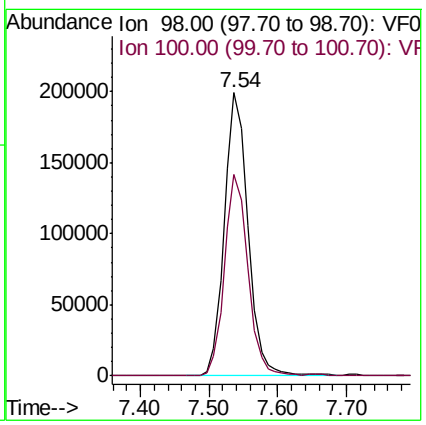


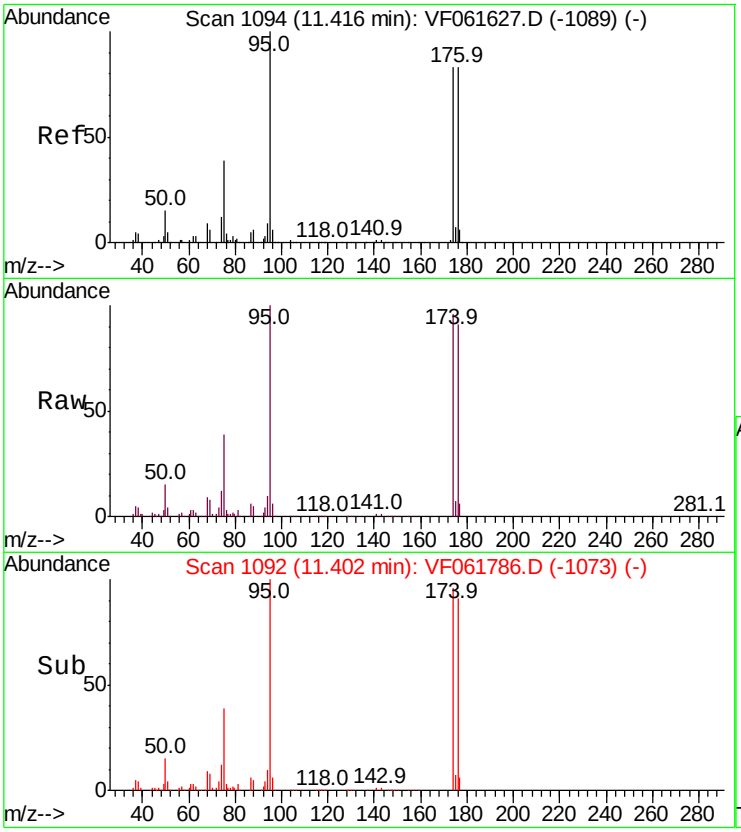




#50
Toluene-d8
Concen: 47.212 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

Tgt Ion: 98 Resp: 475179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 71.0 | 55.4 | 83.2 |



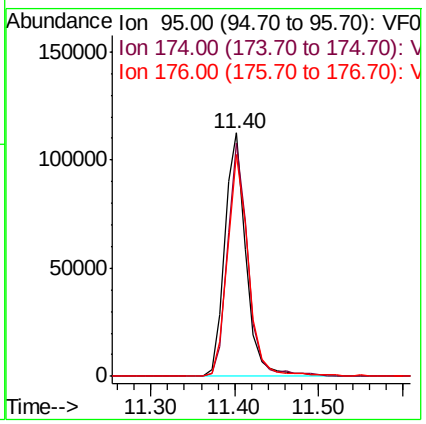


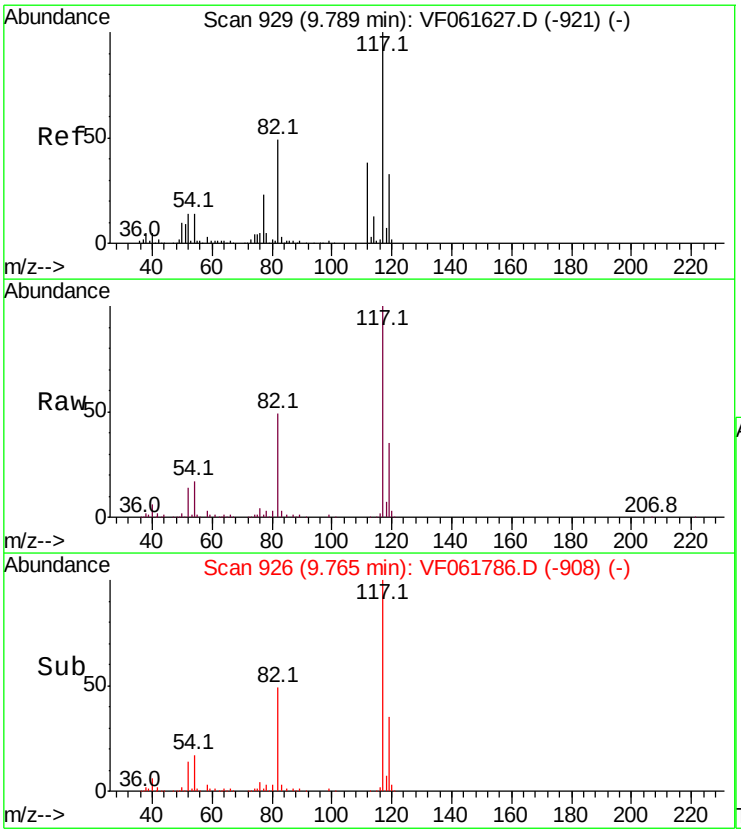

#62
4-Bromofluorobenzene
Concen: 48.537 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0228SBL01

Tgt Ion: 95 Resp: 197664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 95.7 | 0.0 | 165.8 |
| 176 | 91.3 | 0.0 | 167.0 |

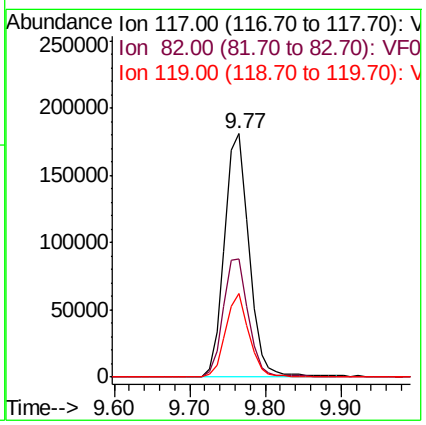


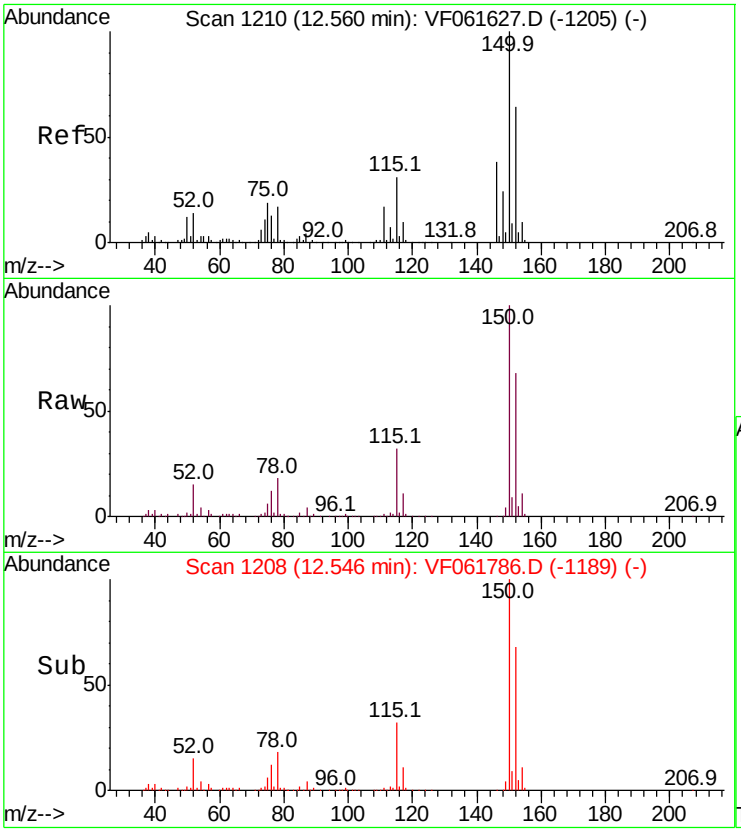




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

Tgt Ion:117 Resp: 410092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 48.6 | 39.3 | 58.9 |
| 119 | 34.5 | 26.6 | 40.0 |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061786.D
Acq: 28 Feb 2019 14:25

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0228SBL01

Tgt Ion:152 Resp: 242739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 47.7 | 24.3 | 72.8 |
| 150 | 147.4 | 0.0 | 312.0 |