Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
Data File : VF059169.D
Acq On : 18 Jun 2018 12:06
Operator : VA/AP
Sample : VF0618SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** VF0618SBL01

Quant Time: Jun 19 02:53:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.03 | 168 | 290409 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 5.75 | 114 | 454194 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.90 | 117 | 444267 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152 | 293669 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.01 | 65 | 196919 | 55.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.82% | | | |
| 35) Dibromofluoromethane | 4.28 | 113 | 174694 | 54.82 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 109.64% | | | |
| 50) Toluene-d8 | 7.70 | 98 | 468904 | 50.08 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.16% | | | |
| 62) 4-Bromofluorobenzene | 11.50 | 95 | 246025 | 51.23 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.46% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.10 | 50 | 2606 | 1.024 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.69 | 59 | 823 | 3.647 | ug/l # | 1 |
| 13) Acrolein | 2.03 | 56 | 286 | 1.464 | ug/l | 98 |
| 15) Acrylonitrile | 3.09 | 53 | 635 | 1.417 | ug/l # | 60 |
| 16) Acetone | 2.33 | 43 | 3592 | 4.271 | ug/l # | 75 |
| 20) Methylene Chloride | 2.27 | 84 | 6510 | 3.233 | ug/l # | 90 |
| 25) 2-Butanone | 4.50 | 43 | 2757 | 2.115 | ug/l # | 73 |
| 29) Tetrahydrofuran | 4.25 | 42 | 2095 | 3.647 | ug/l # | 53 |
| 39) Methylcyclohexane | 5.75 | 83 | 4920 | 1.096 | ug/l # | 40 |
| 49) 1,4-Dioxane | 6.86 | 88 | 79 | 17.390 | ug/l # | 71 |
| 51) 4-Methyl-2-Pentanone | 8.40 | 43 | 8376 | 3.354 | ug/l | 94 |
| 59) 2-Hexanone | 9.63 | 43 | 27407 | 13.876 | ug/l | 82 |
| 74) N-amyl acetate | 11.46 | 43 | 17812 | 2.452 | ug/l | 98 |
| 89) n-Butylbenzene | 12.91 | 91 | 5639 | Below Cal | | 87 |
| 95) Naphthalene | 14.52 | 128 | 20385 | 1.499 | ug/l | 98 |

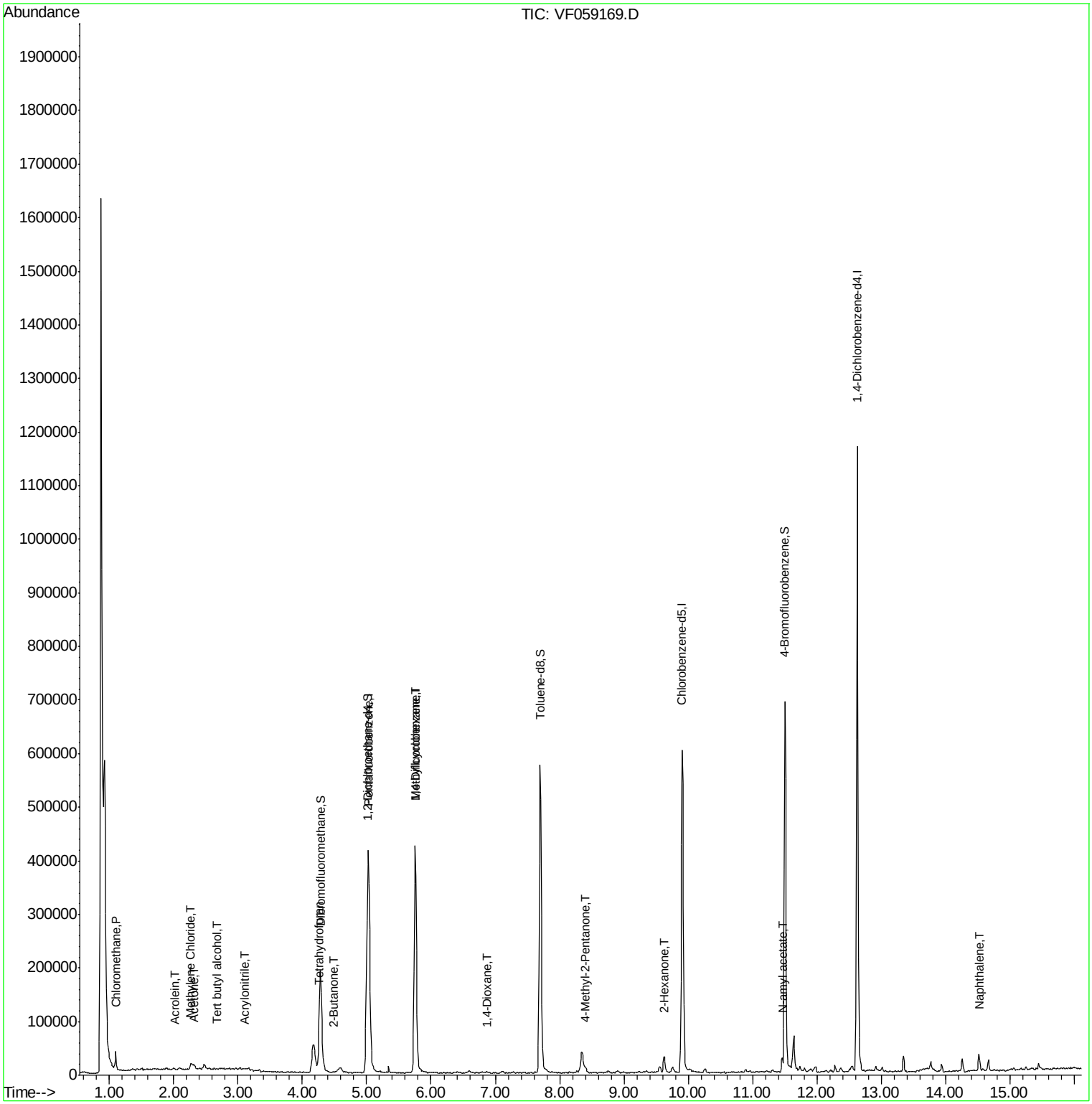
(#) = qualifier out of range (m) = manual integration (+) = signals summed

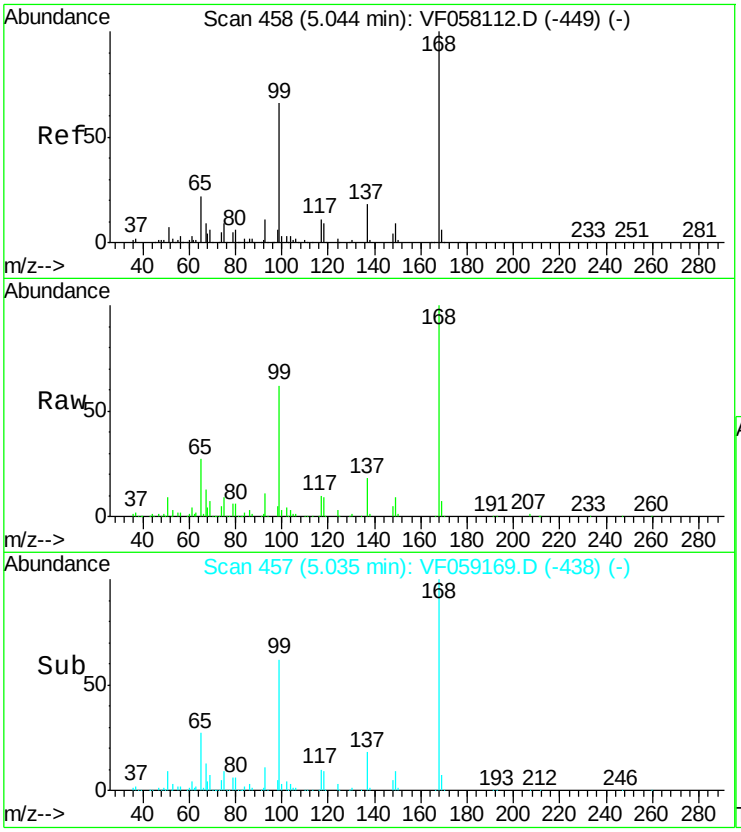
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF061818\
Data File : VF059169.D
Acq On : 18 Jun 2018 12:06
Operator : VA/AP
Sample : VF0618SBL01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Quant Time: Jun 19 02:53:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration



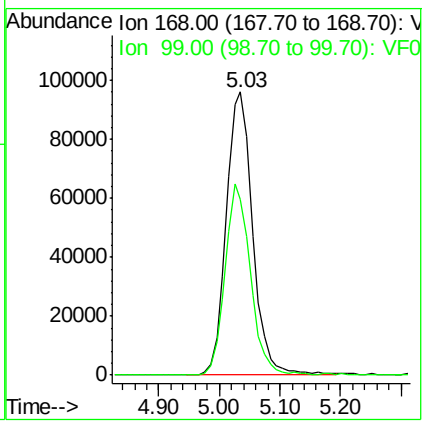


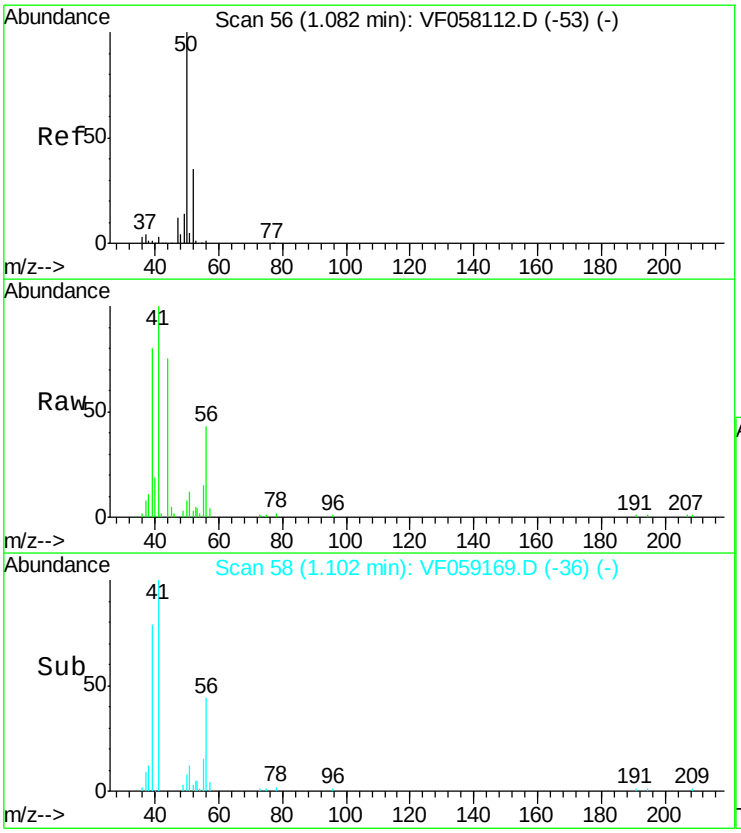

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Tgt Ion:168 Resp: 290409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 52.9 | 79.3 |

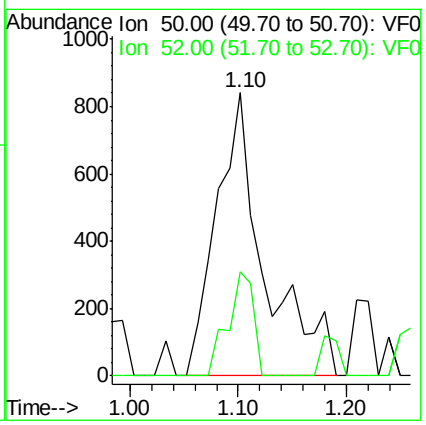


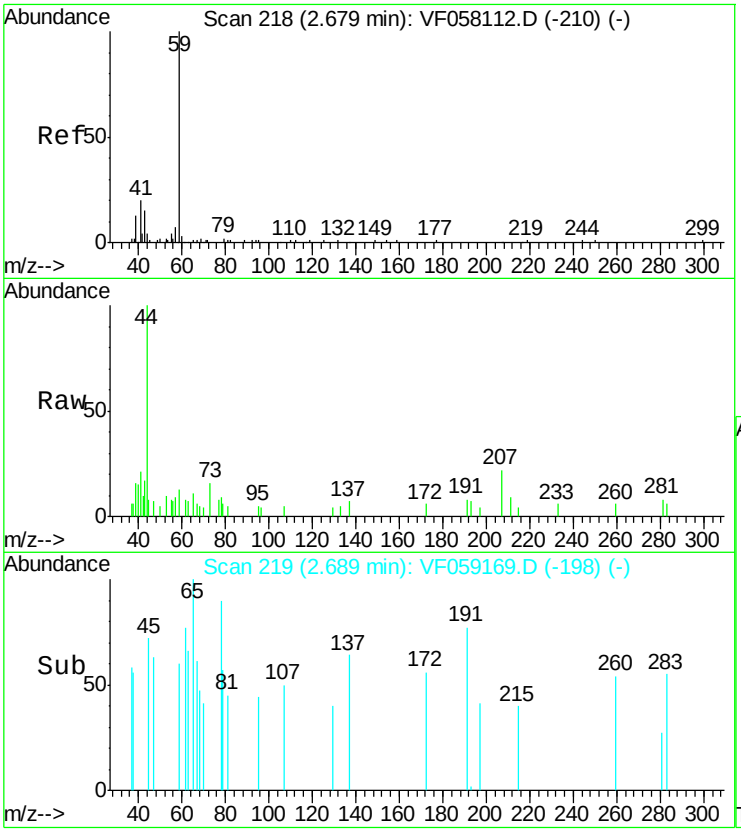




#3
Chloromethane
Concen: 1.024 ug/l
RT: 1.10 min Scan# 58
Delta R.T. 0.02 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 50 Resp: 2606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 37.0 | 27.3 | 40.9 |



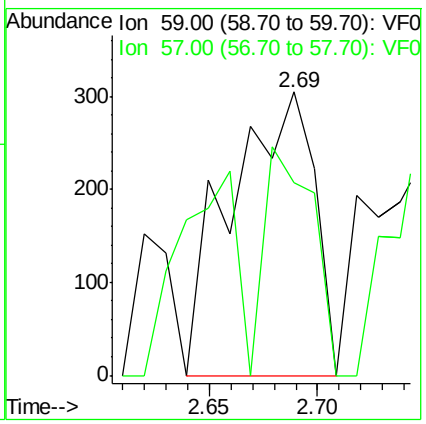


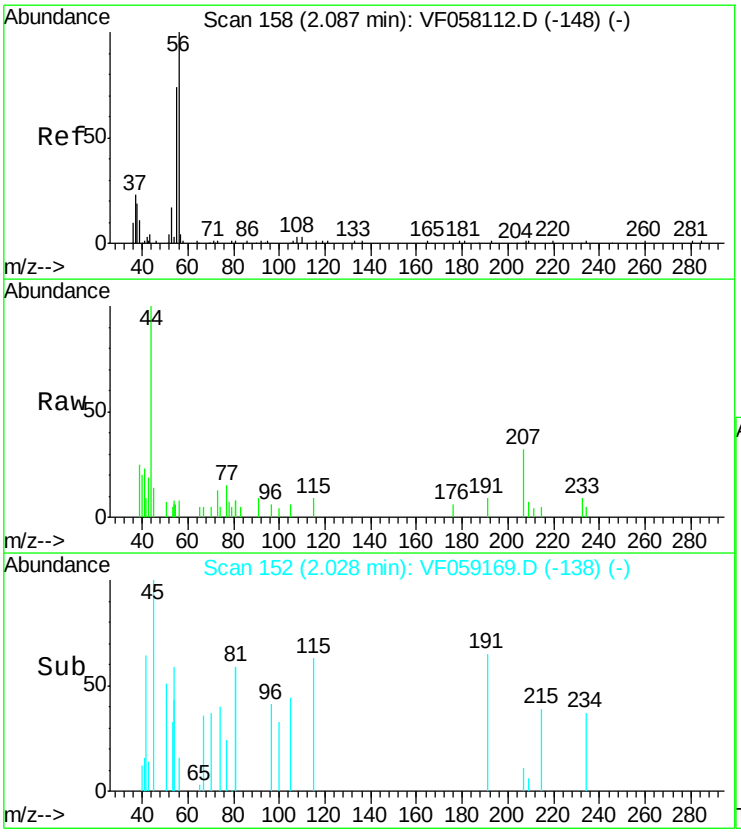

#11
Tert butyl alcohol
Concen: 3.647 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :** MSVOA_F
**ClientSampleId :** VF0618SBL01

Tgt Ion: 59 Resp: 823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 68.2 | 8.7 | 13.1# |

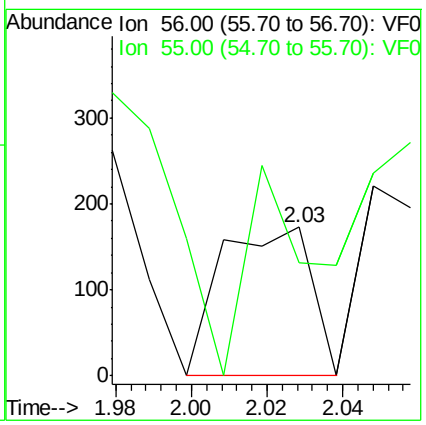


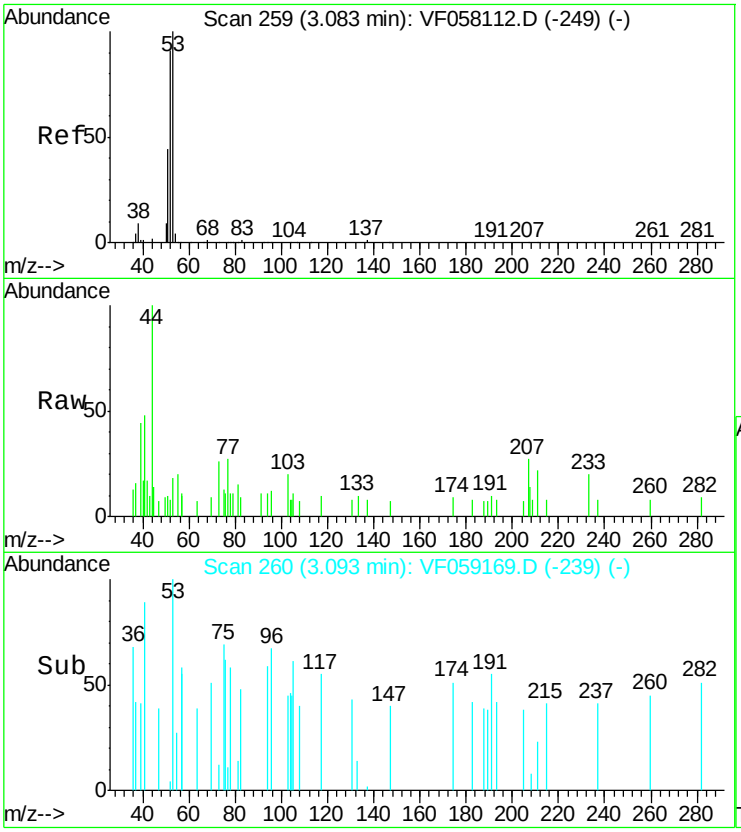




#13
Acrolein
Concen: 1.464 ug/l
RT: 2.03 min Scan# 152
Delta R.T. -0.06 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 56 Resp: 286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 76.3 | 60.0 | 90.0 |



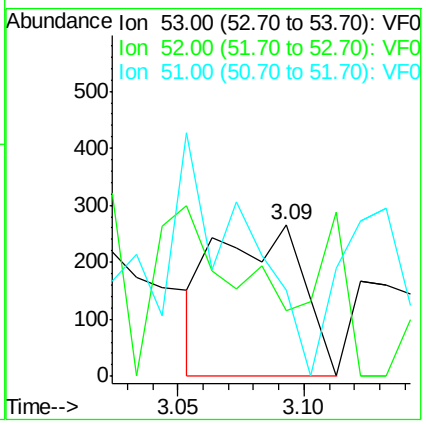


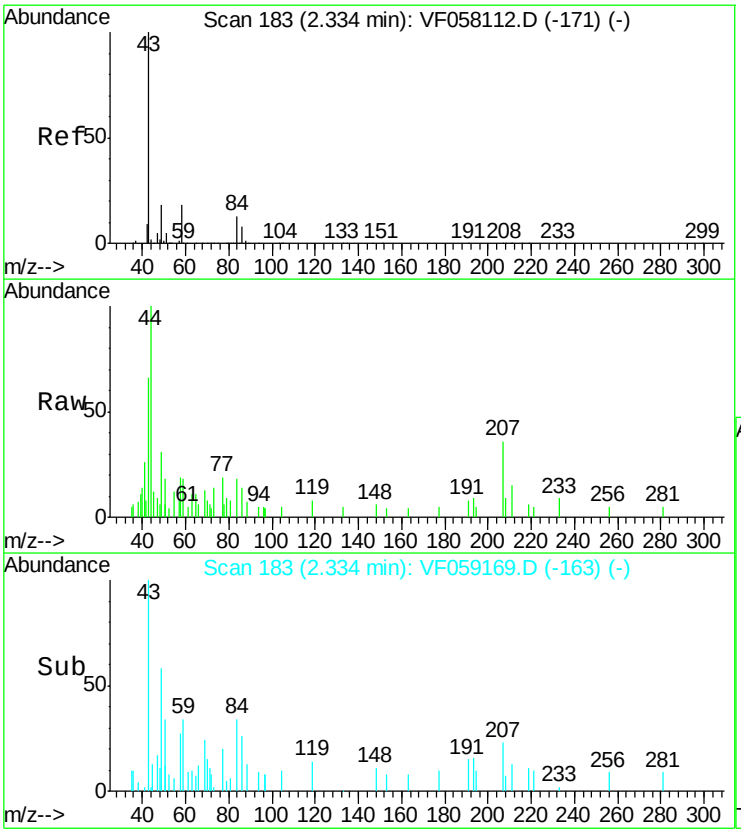

#15
Acrylonitrile
Concen: 1.417 ug/l
RT: 3.09 min Scan# 260
Delta R.T. 0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :** MSVOA_F
**ClientSampleId :** VF0618SBL01

Tgt Ion: 53 Resp: 635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 43.2 | 73.2 | 109.8# |
| 51 | 56.8 | 35.6 | 53.4# |

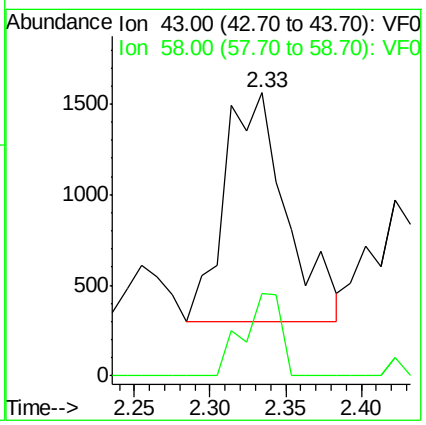


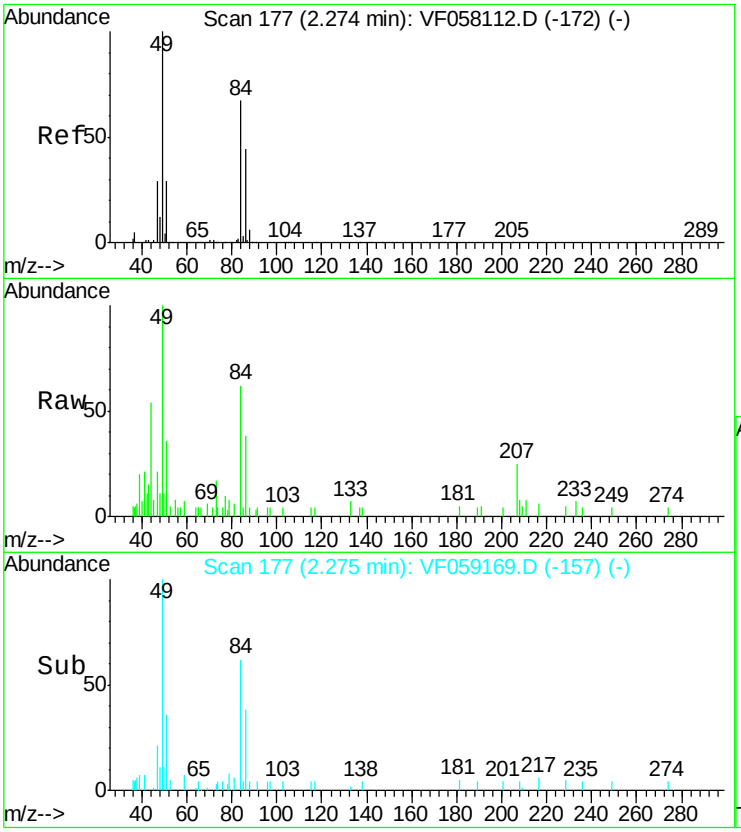




#16
Acetone
Concen: 4.271 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 43 Resp: 3592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.0 | 14.4 | 21.6# |



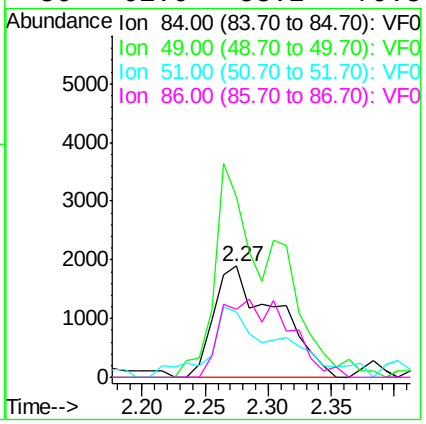


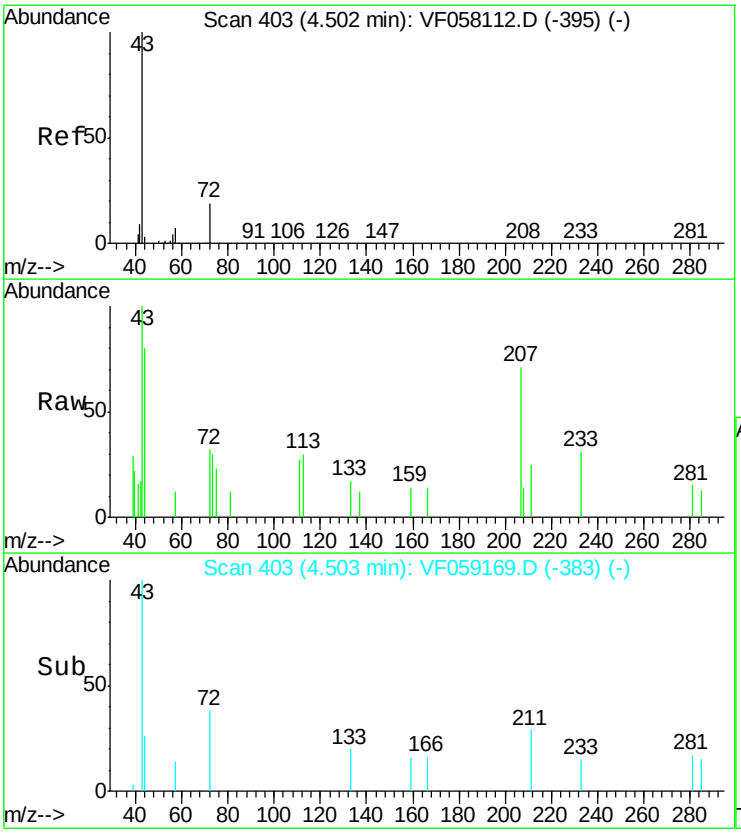

#20
Methylene Chloride
Concen: 3.233 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Tgt Ion: 84 Resp: 6510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 162.5 | 121.0 | 181.4 |
| 51 | 58.3 | 35.8 | 53.6# |
| 86 | 61.6 | 53.2 | 79.8 |

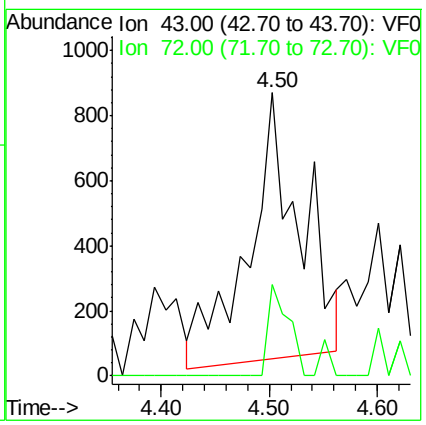


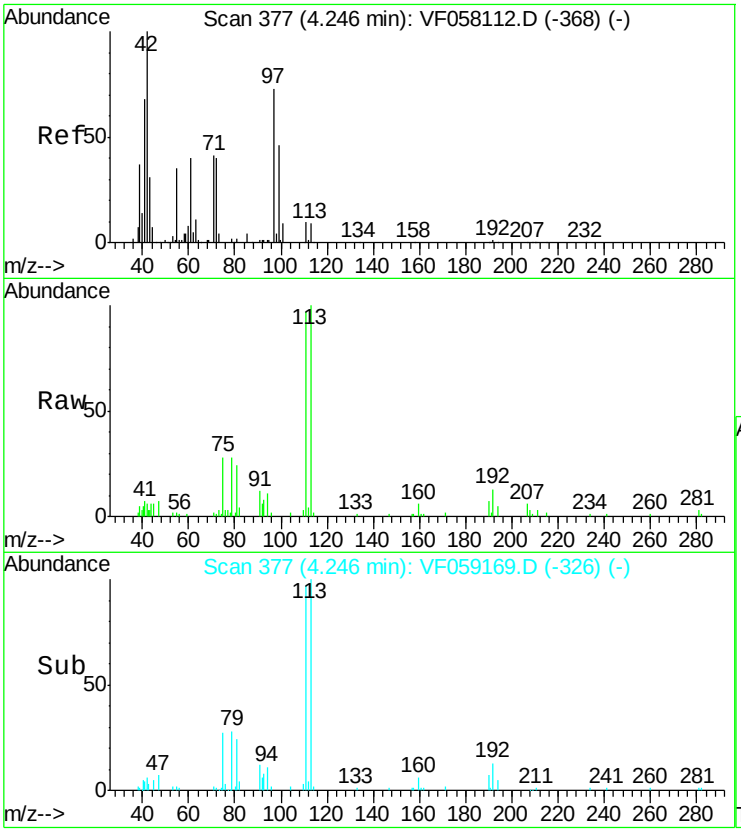




#25
2-Butanone
Concen: 2.115 ug/l
RT: 4.50 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 43 Resp: 2757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 32.4 | 16.1 | 24.1# |



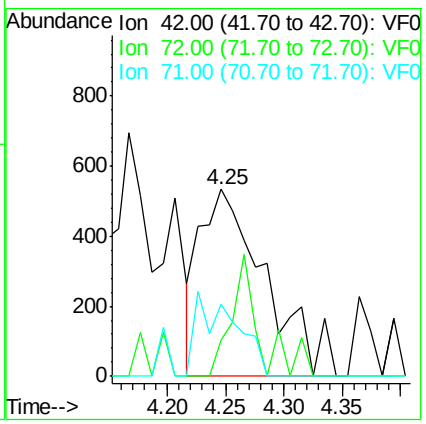


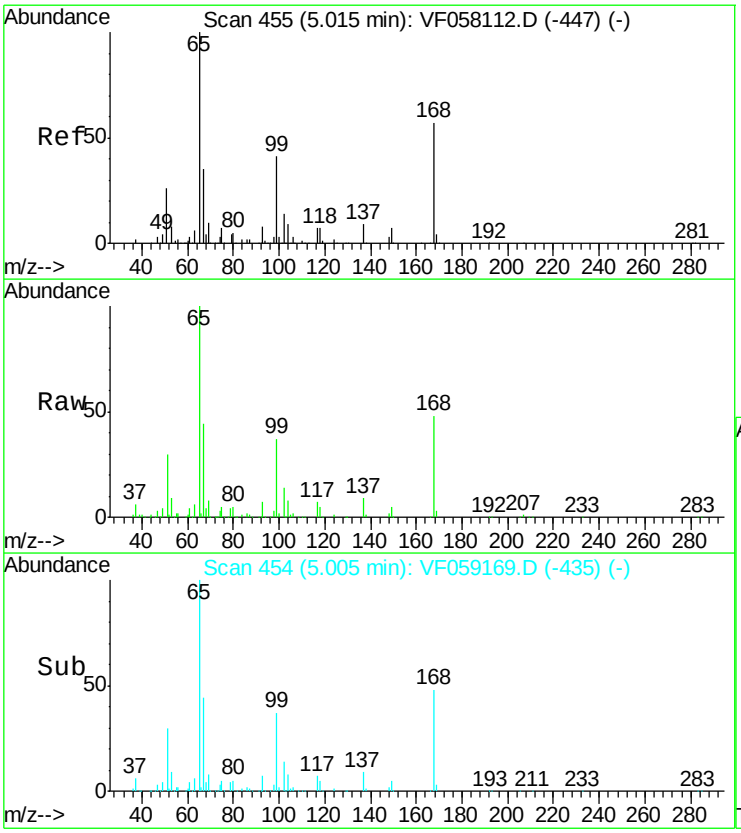

#29
Tetrahydrofuran
Concen: 3.647 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Tgt Ion: 42 Resp: 2095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 21.0 | 30.5 | 45.7# |
| 71 | 0.0 | 31.5 | 47.3# |

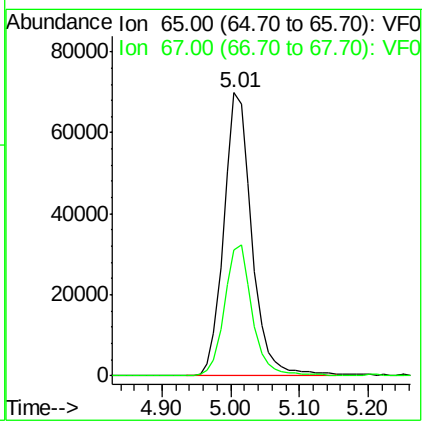


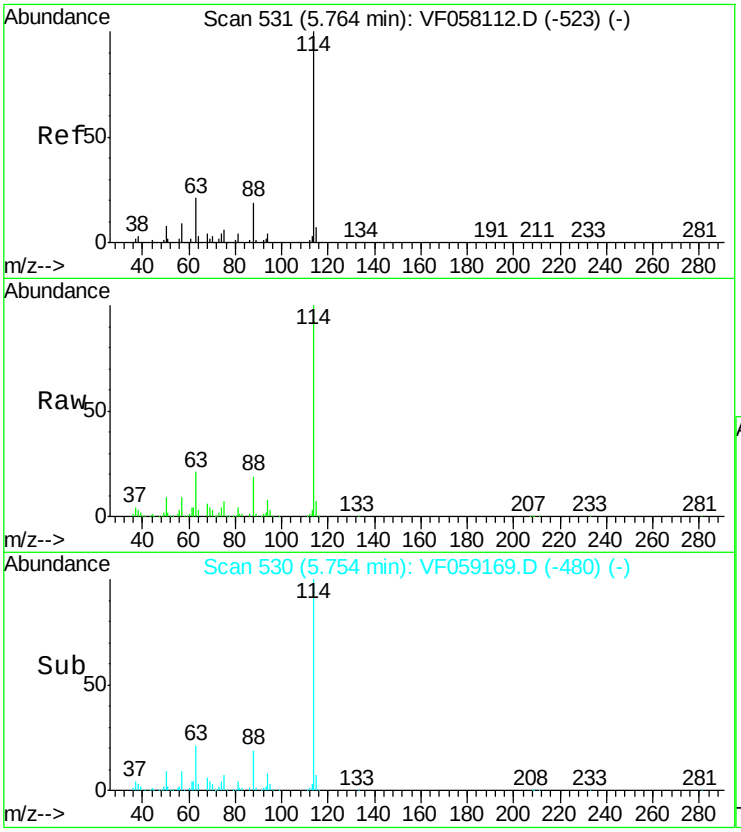




#33
1,2-Dichloroethane-d4
Concen: 55.910 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 65 Resp: 196919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 44.4 | 0.0 | 97.0 |



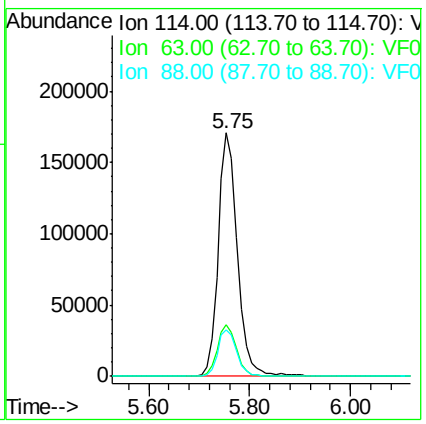


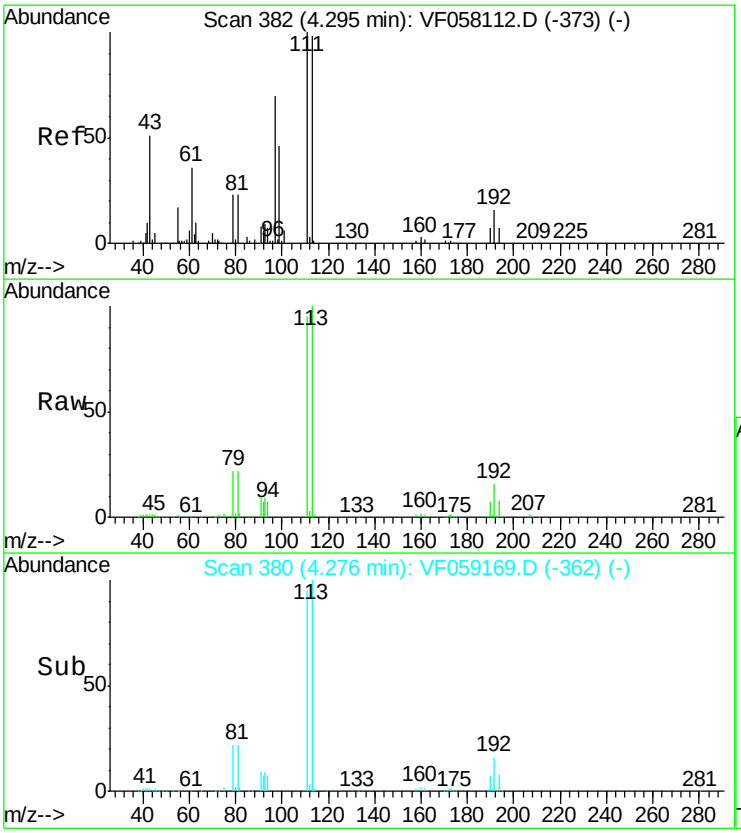

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :** MSVOA_F
**ClientSampleId :** VF0618SBL01

Tgt Ion:114 Resp: 454194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 41.6 |
| 88 | 18.9 | 0.0 | 38.8 |

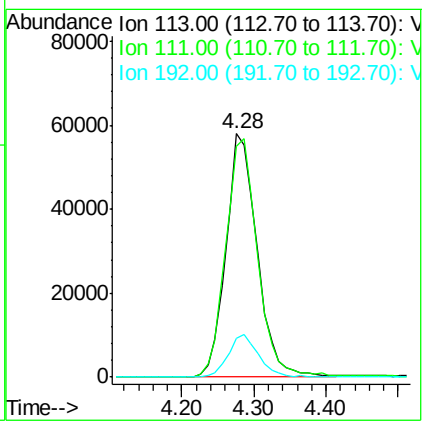


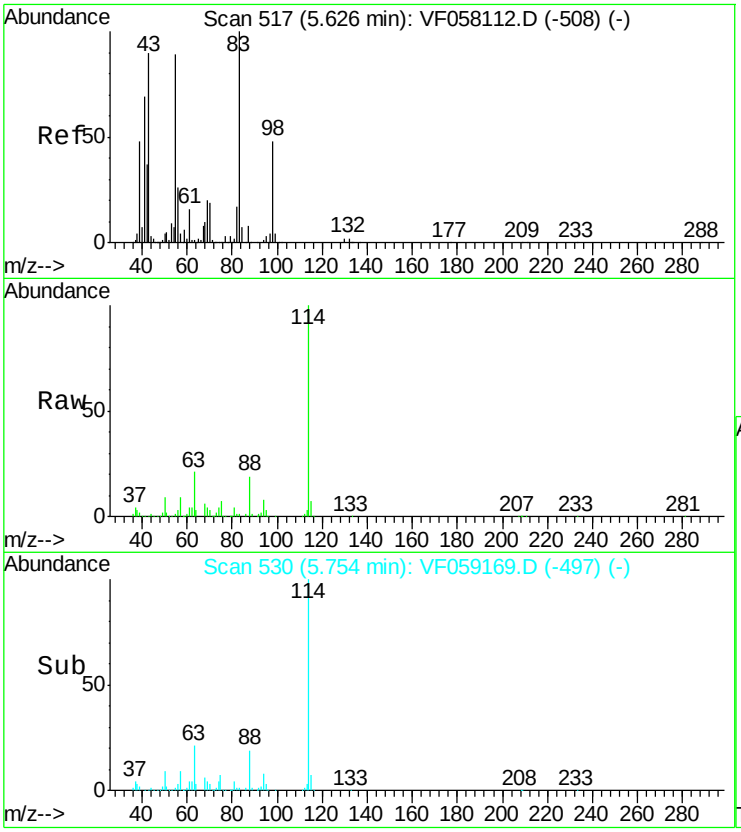




#35
Dibromofluoromethane
Concen: 54.815 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion:113 Resp: 174694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 94.7 | 81.3 | 121.9 |
| 192 | 15.8 | 12.7 | 19.1 |



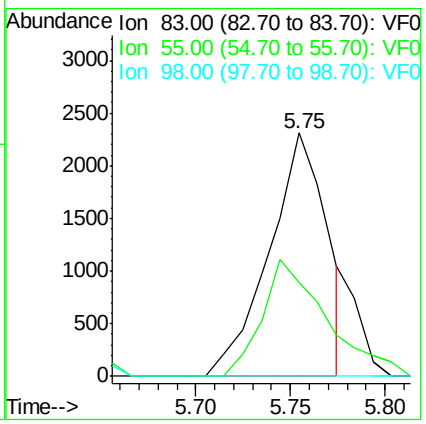


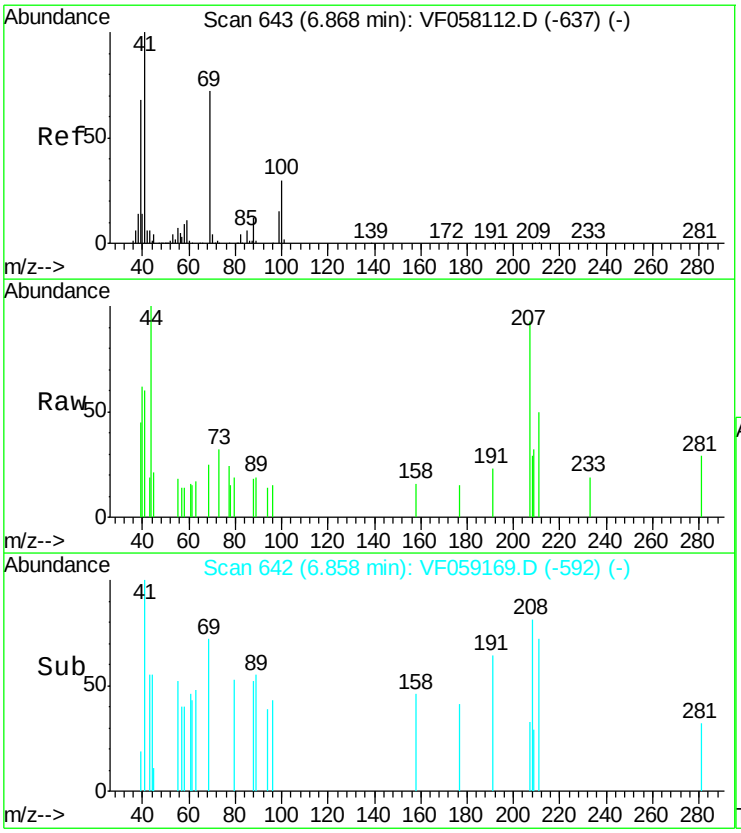

#39
Methylcyclohexane
Concen: 1.096 ug/l
RT: 5.75 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Tgt Ion: 83 Resp: 4920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 38.8 | 71.0 | 106.4# |
| 98 | 0.0 | 38.1 | 57.1# |

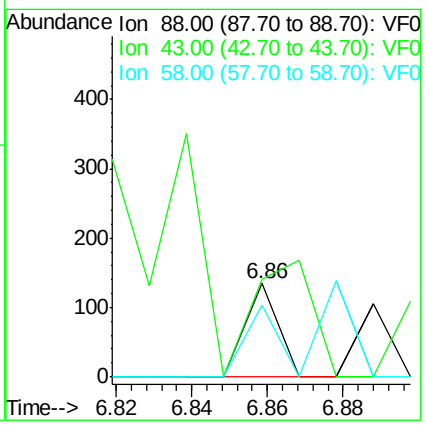


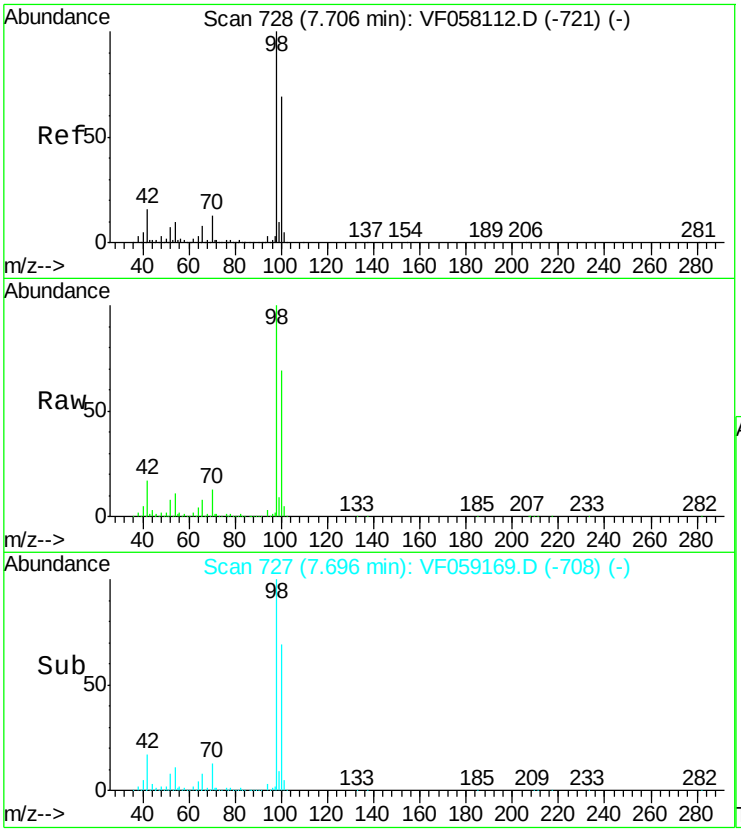




#49
1,4-Dioxane
Concen: 17.390 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 88 Resp: 79

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 105.2 | 47.8 | 71.8# |
| 58 | 76.9 | 59.4 | 89.0 |



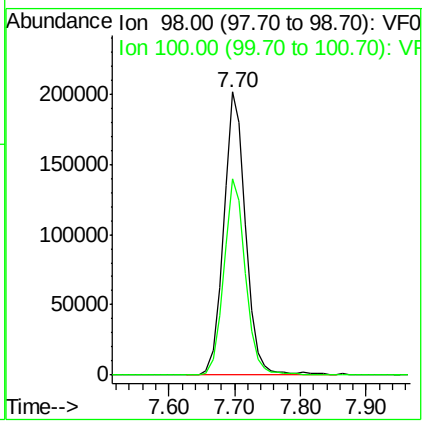


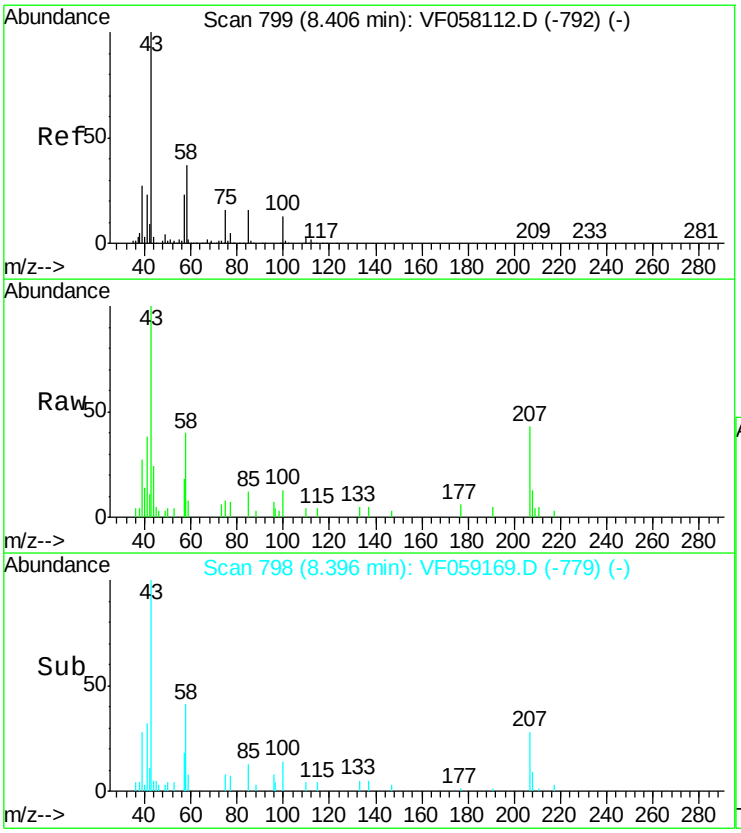

#50
Toluene-d8
Concen: 50.082 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Tgt Ion: 98 Resp: 468904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.4 | 55.6 | 83.4 |

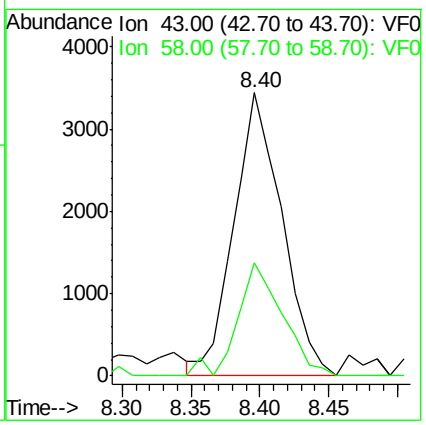


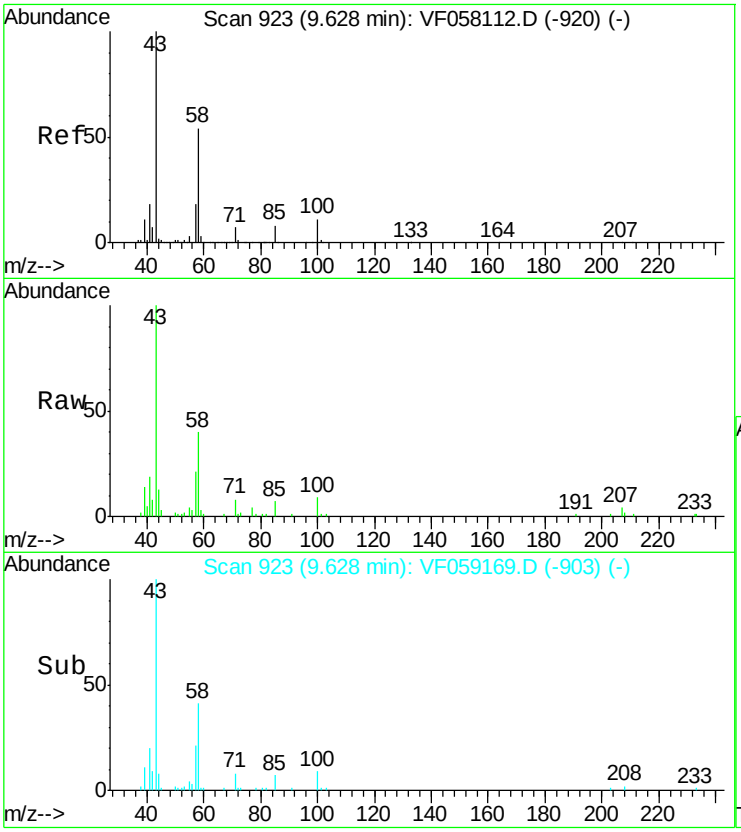




#51
4-Methyl-2-Pentanone
Concen: 3.354 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 43 Resp: 8376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.1 | 29.4 | 44.0 |



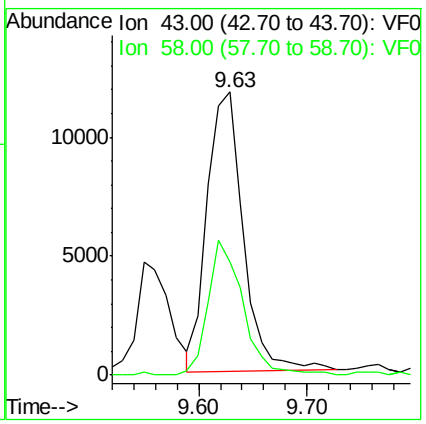


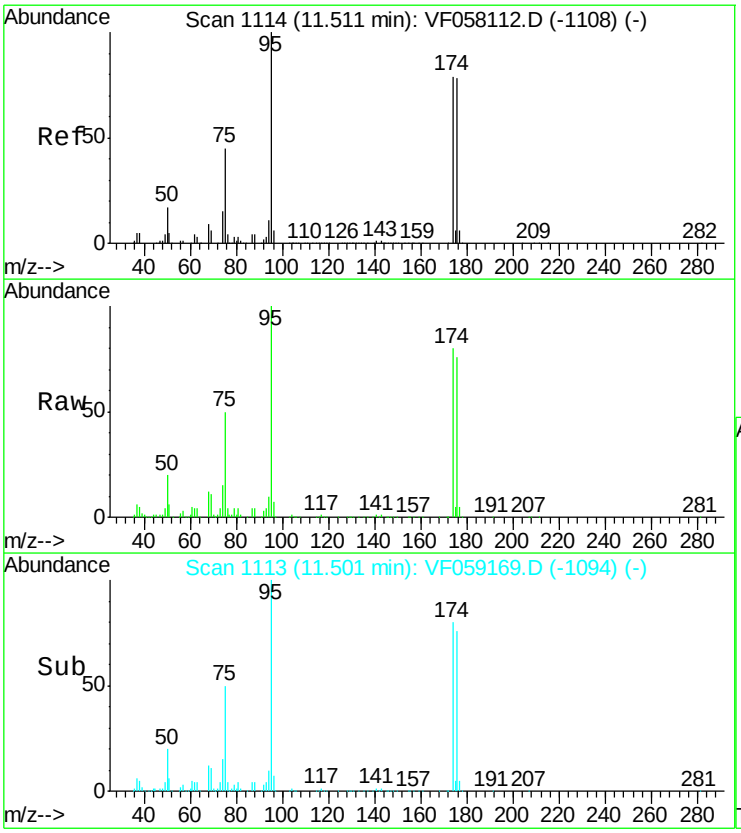

#59
2-Hexanone
Concen: 13.876 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :** MSVOA_F
**ClientSampleId :** VF0618SBL01

Tgt Ion: 43 Resp: 27407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.1 | 26.3 | 78.8 |

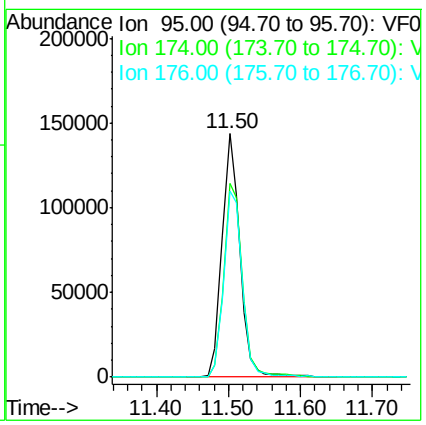


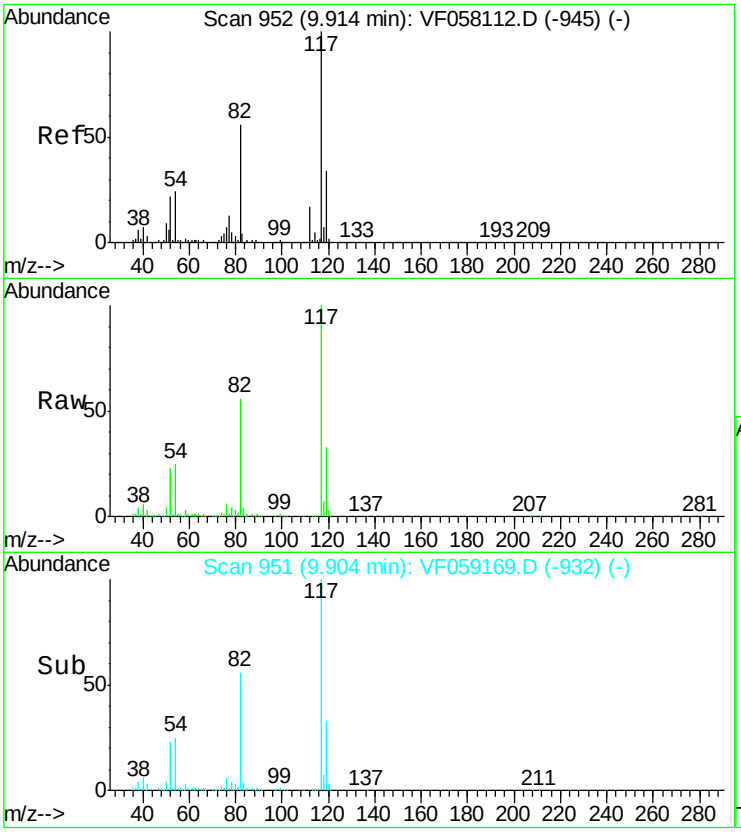




#62
4-Bromofluorobenzene
Concen: 51.232 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion: 95 Resp: 246025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.5 | 0.0 | 157.8 |
| 176 | 76.3 | 0.0 | 155.8 |



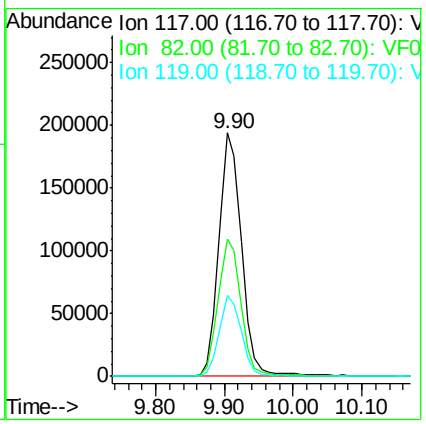


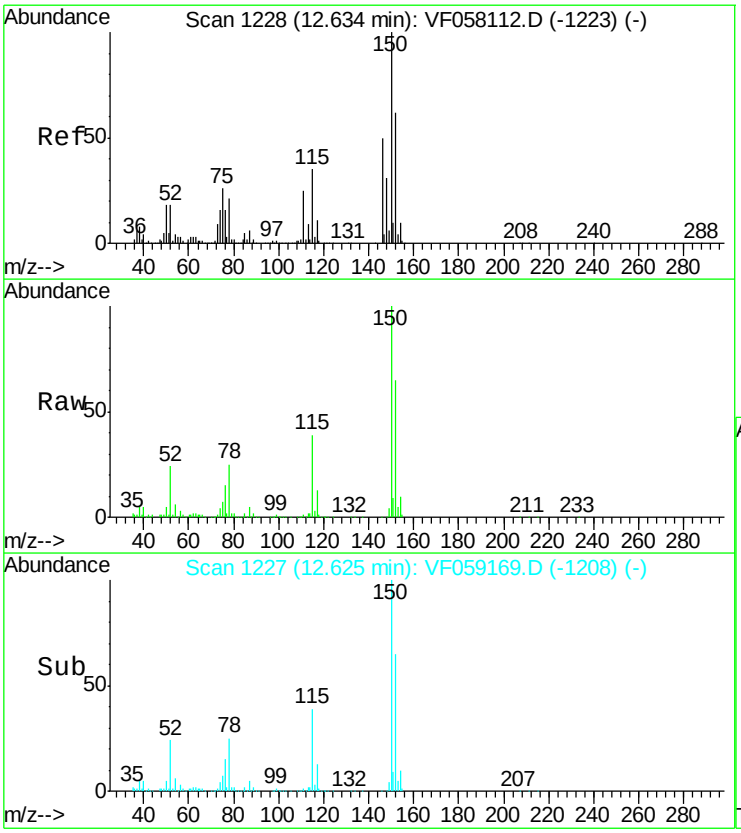

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :**
MSVOA_F
**ClientSampleId :**
VF0618SBL01

Tgt Ion:117 Resp: 444267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 45.2 | 67.8 |
| 119 | 33.0 | 27.5 | 41.3 |

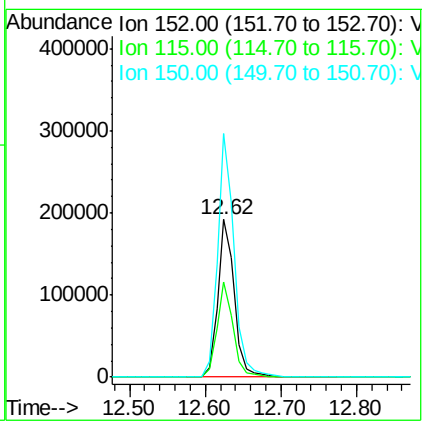


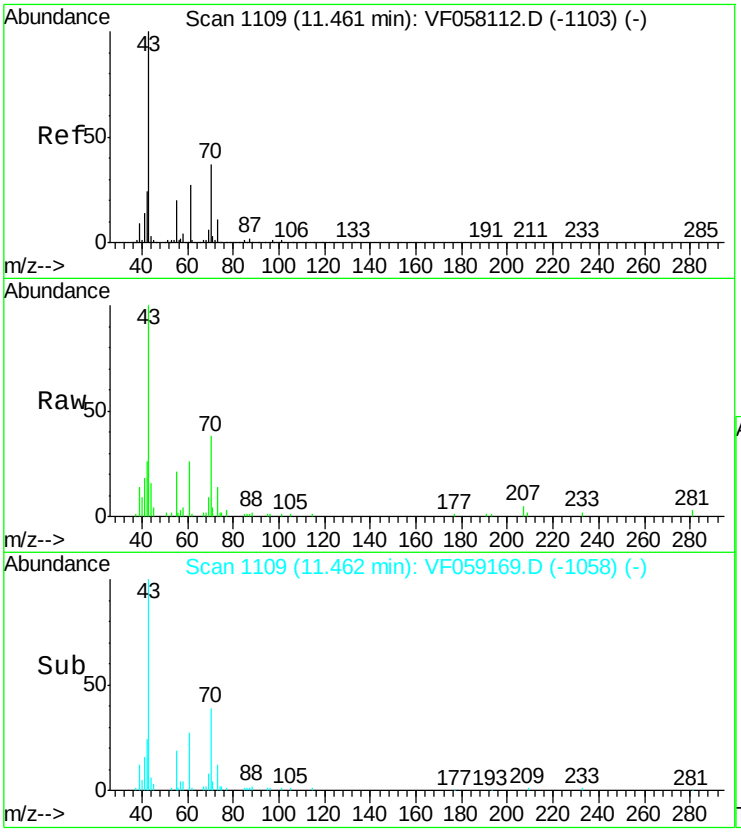




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion:152 Resp: 293669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 28.5 | 85.5 |
| 150 | 154.7 | 0.0 | 323.8 |



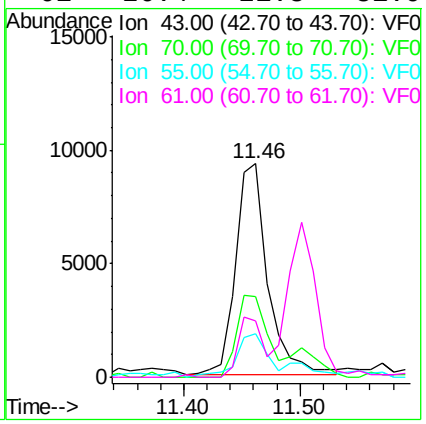


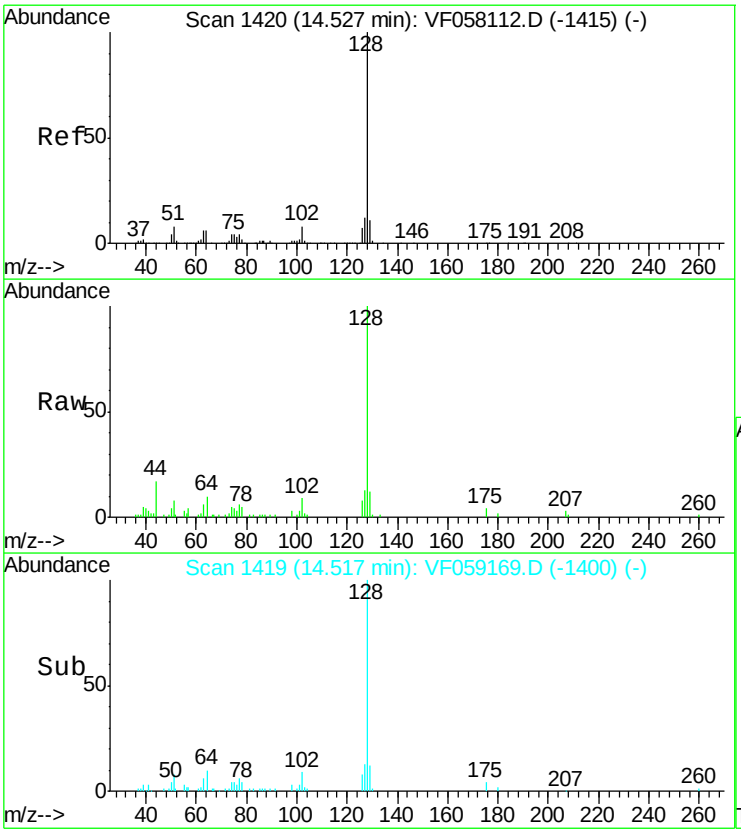

#74
N-amyl acetate
Concen: 2.452 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

**Instrument :** MSVOA_F
**ClientSampleId :** VF0618SBL01

Tgt Ion: 43 Resp: 17812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.1 | 29.2 | 43.8 |
| 55 | 20.7 | 15.8 | 23.6 |
| 61 | 26.4 | 21.3 | 31.9 |




#95
Naphthalene
Concen: 1.499 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059169.D
Acq: 18 Jun 2018 12:06

Tgt Ion:128 Resp: 20385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 9.9 | 14.9 |
| 129 | 12.0 | 8.7 | 13.1 |