Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
Data File : VF059288.D
Acq On : 22 Jun 2018 21:56
Operator : VA/AP
Sample : J3632-01
Misc : 5.13g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EPE-105-4(3-8)

Quant Time: Jun 23 04:38:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.03 | 168 | 195650 | 50.00 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 5.75 | 114 | 294110 | 50.00 | ug/l | -0.01 |
| 63) Chlorobenzene-d5 | 9.91 | 117 | 304236 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.62 | 152 | 201999 | 50.00 | ug/l | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.00 | 65 | 125317 | 44.62 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 89.24% | | | |
| 35) Dibromofluoromethane | 4.28 | 113 | 111435 | 45.03 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 90.06% | | | |
| 50) Toluene-d8 | 7.70 | 98 | 247842 | 39.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 78.76% | | | |
| 62) 4-Bromofluorobenzene | 11.50 | 95 | 150919 | 43.24 | ug/l | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 86.48% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.42 | 94 | 307 | 2.050 | ug/l | 90 |
| 11) Tert butyl alcohol | 2.68 | 59 | 1703 | 10.406 | ug/l # | 53 |
| 13) Acrolein | 2.07 | 56 | 823 | Below Cal | | 98 |
| 15) Acrylonitrile | 3.04 | 53 | 875 | Below Cal # | | 16 |
| 16) Acetone | 2.33 | 43 | 79540 | 119.833 | ug/l | 94 |
| 18) Methyl Acetate | 2.46 | 43 | 7162 | 5.723 | ug/l | 98 |
| 20) Methylene Chloride | 2.27 | 84 | 1721 | Below Cal | | 90 |
| 25) 2-Butanone | 4.51 | 43 | 1466 | 1.656 | ug/l | 100 |
| 28) Bromochloromethane | 3.93 | 49 | 63 | Below Cal # | | 8 |
| 41) Methacrylonitrile | 4.83 | 41 | 2973 | 3.151 | ug/l # | 36 |
| 49) 1,4-Dioxane | 6.81 | 88 | 85 | 9.567 | ug/l # | 35 |

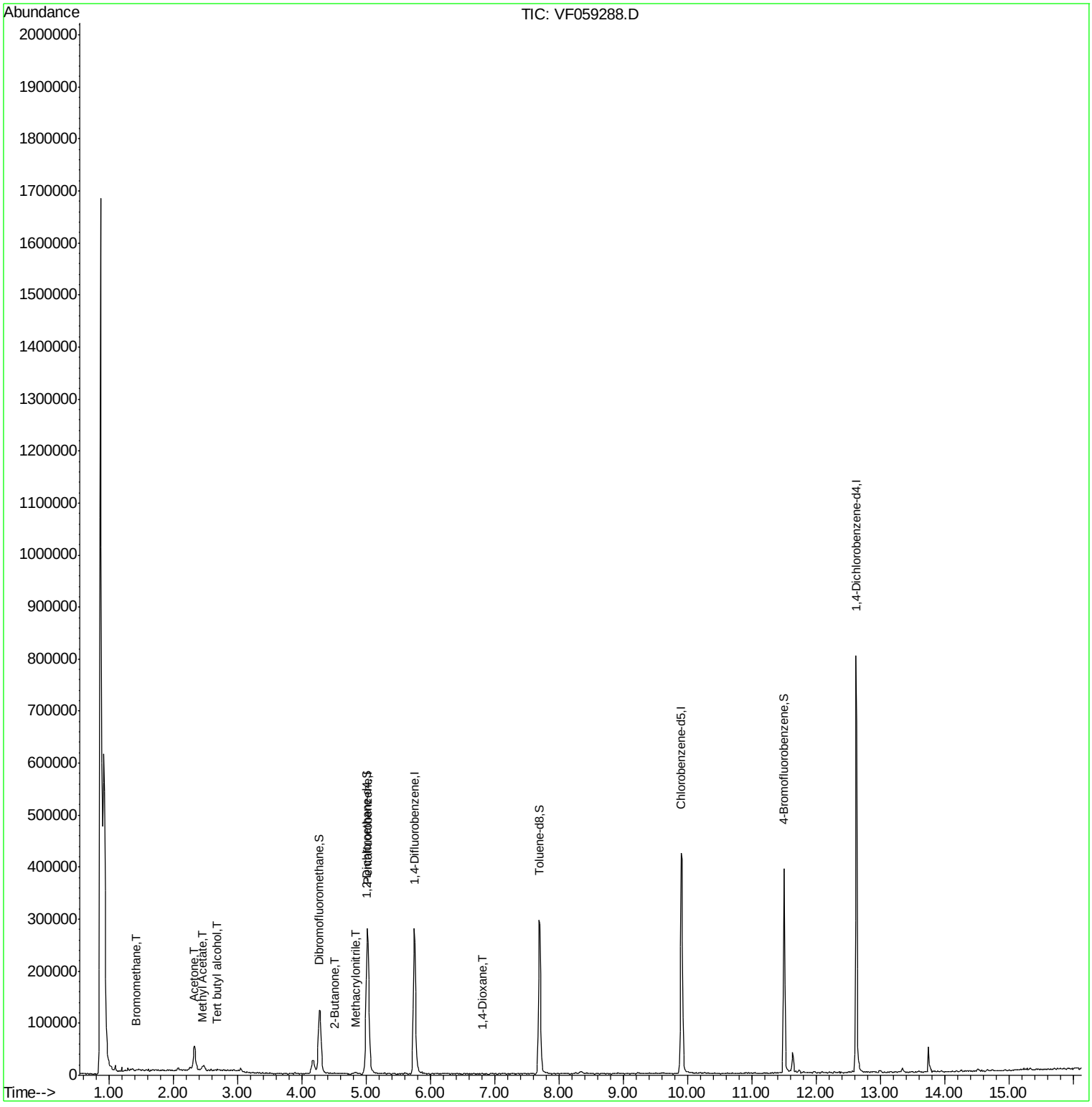
(#) = qualifier out of range (m) = manual integration (+) = signals summed

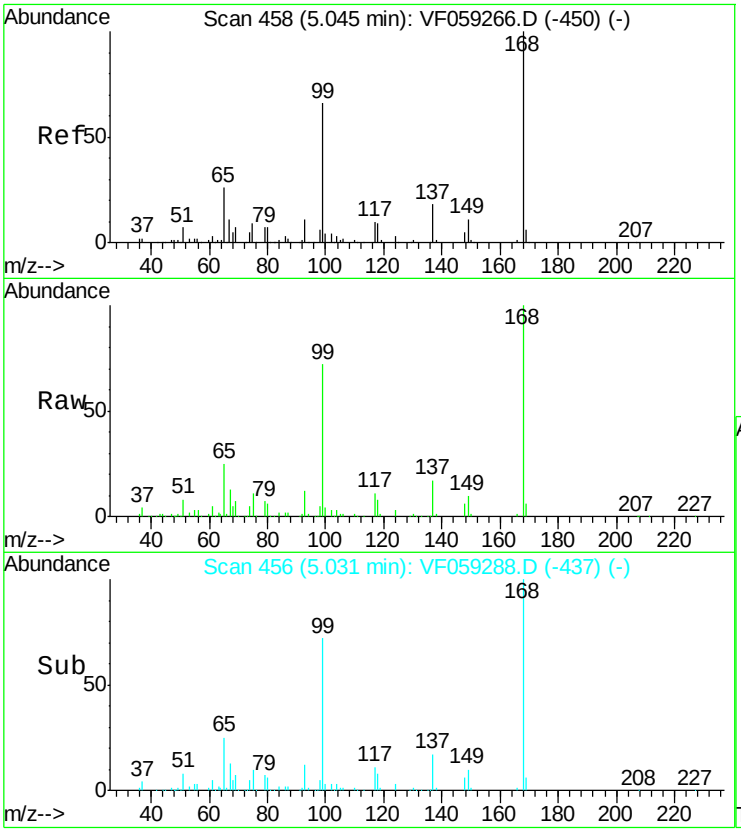
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
Data File : VF059288.D
Acq On : 22 Jun 2018 21:56
Operator : VA/AP
Sample : J3632-01
Misc : 5.13g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Quant Time: Jun 23 04:38:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration



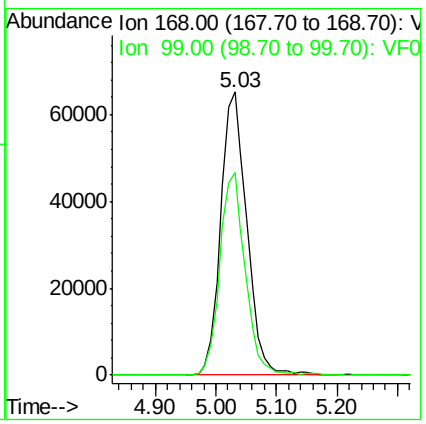


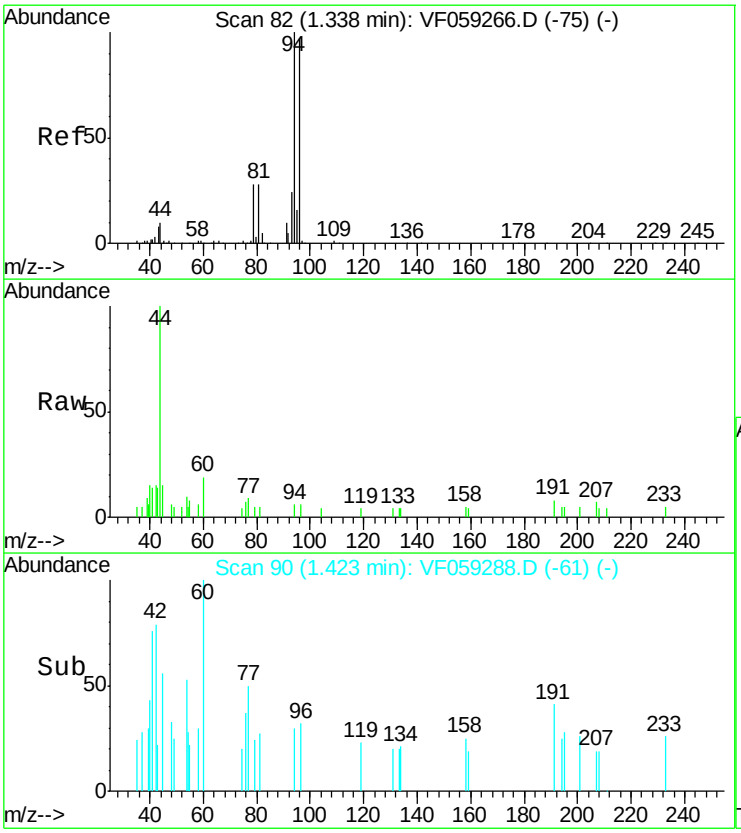

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion:168 Resp: 195650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.7 | 52.6 | 78.8 |

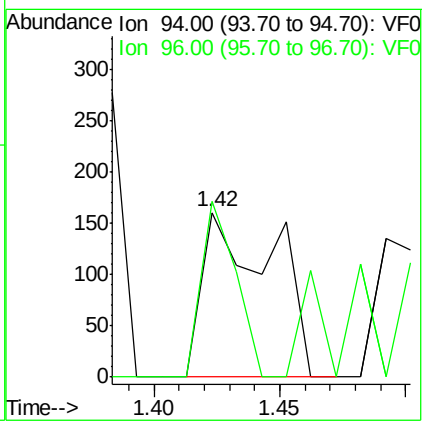


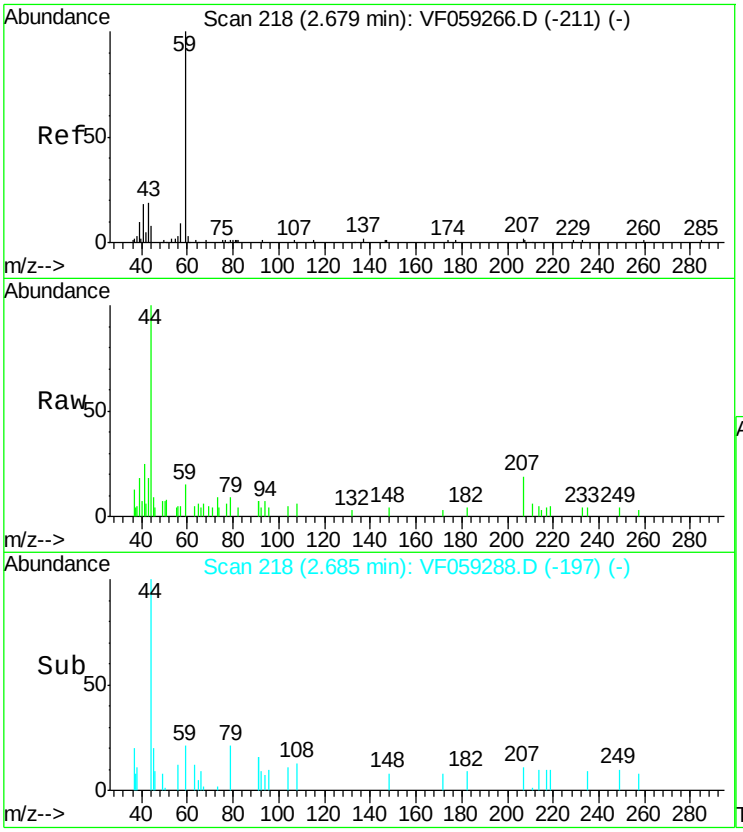




#5
Bromomethane
Concen: 2.050 ug/l
RT: 1.42 min Scan# 90
Delta R.T. 0.08 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion: 94 Resp: 307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 106.9 | 77.7 | 116.5 |



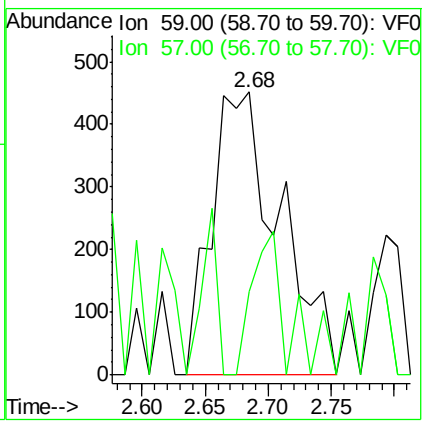


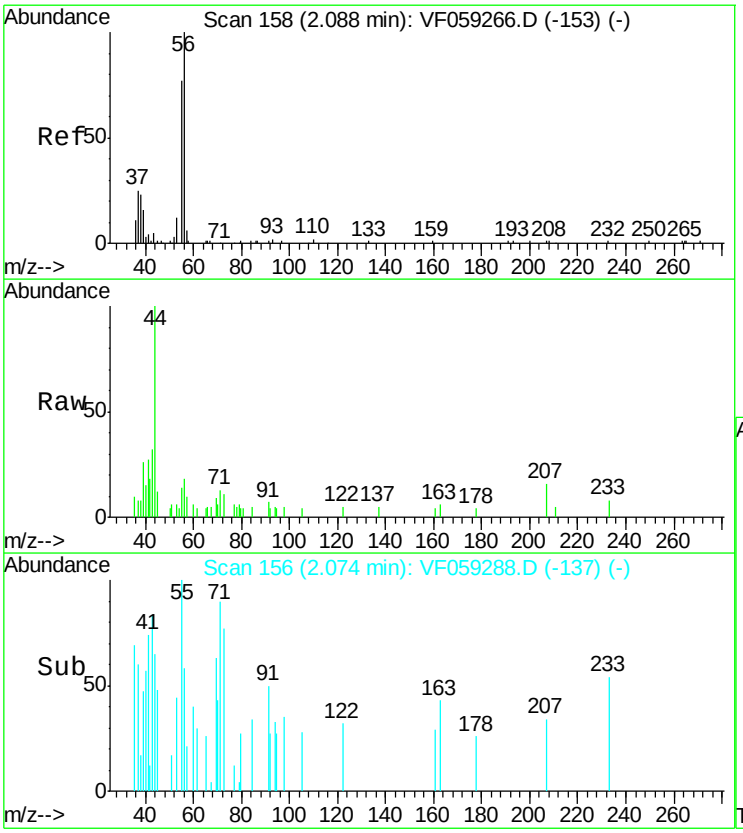

#11
Tert butyl alcohol
Concen: 10.406 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion: 59 Resp: 1703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 29.6 | 9.2 | 13.8# |

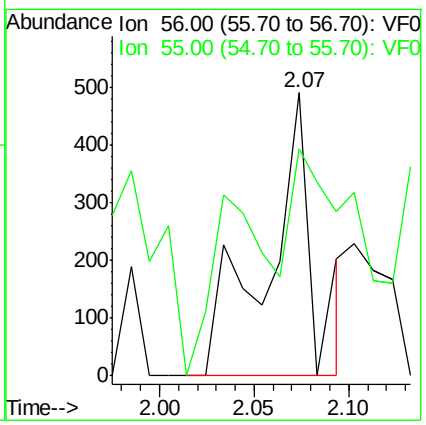


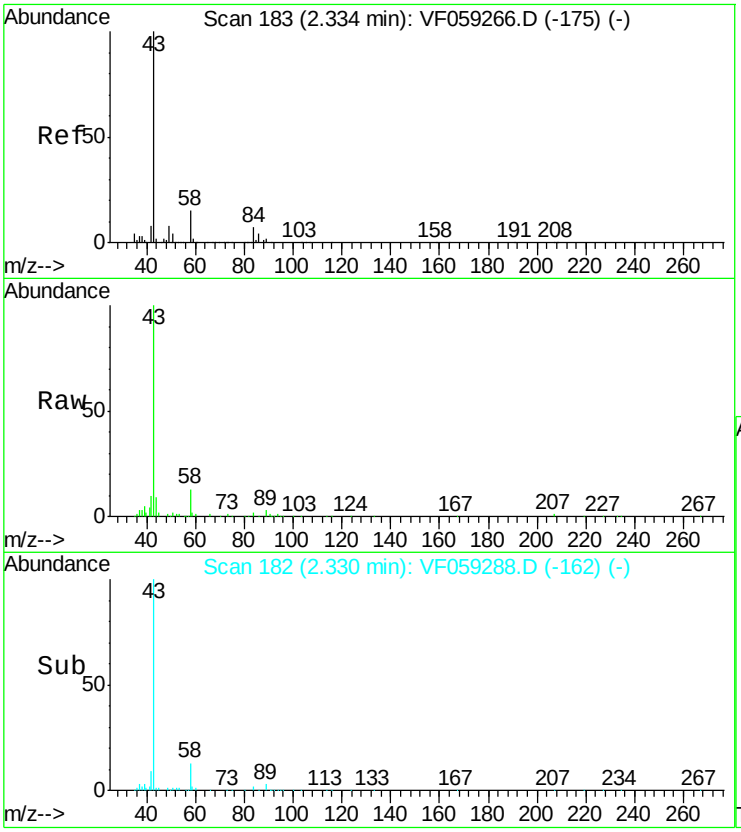




#13
Acrolein
Concen: Below Cal
RT: 2.07 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion: 56 Resp: 823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.2 | 63.0 | 94.6 |



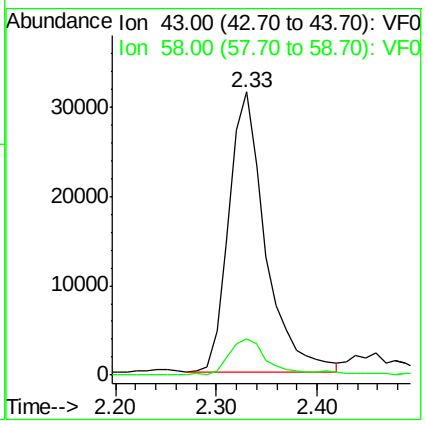


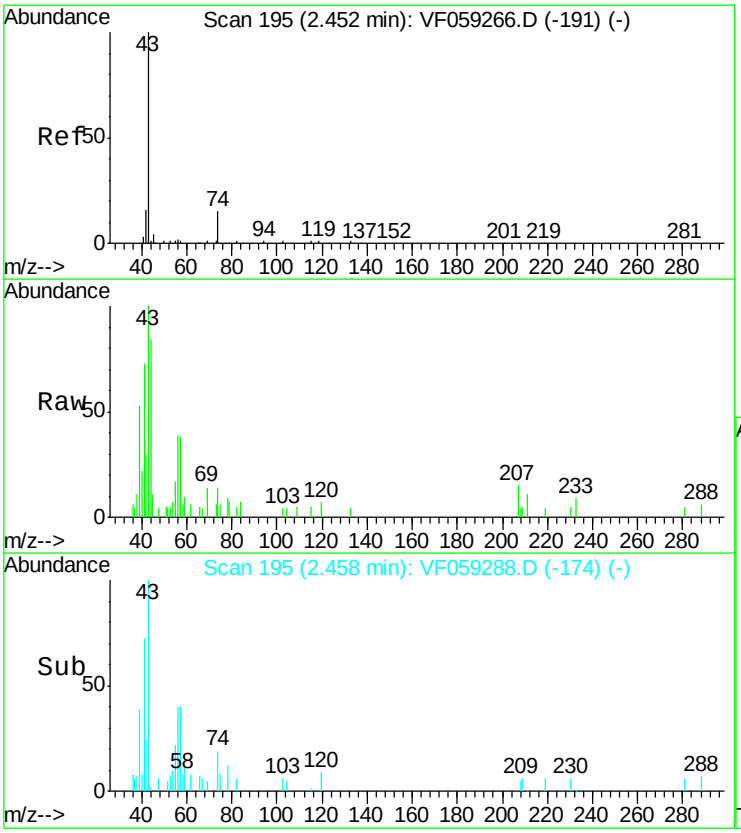

#16
Acetone
Concen:  119.833 ug/l
RT: 2.33 min  Scan# 182
Delta R.T.  -0.00 min
Lab File:  VF059288.D
Acq: 22 Jun 2018  21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion: 43 Resp:  79540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 12.8 | 12.1 | 18.1 |

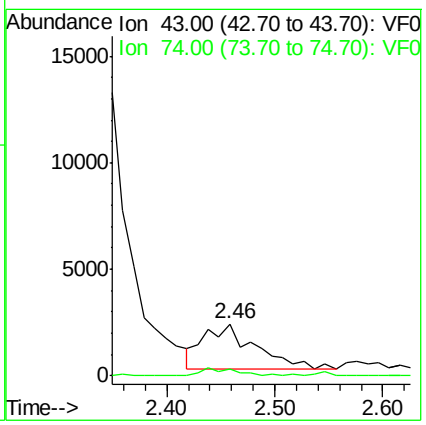


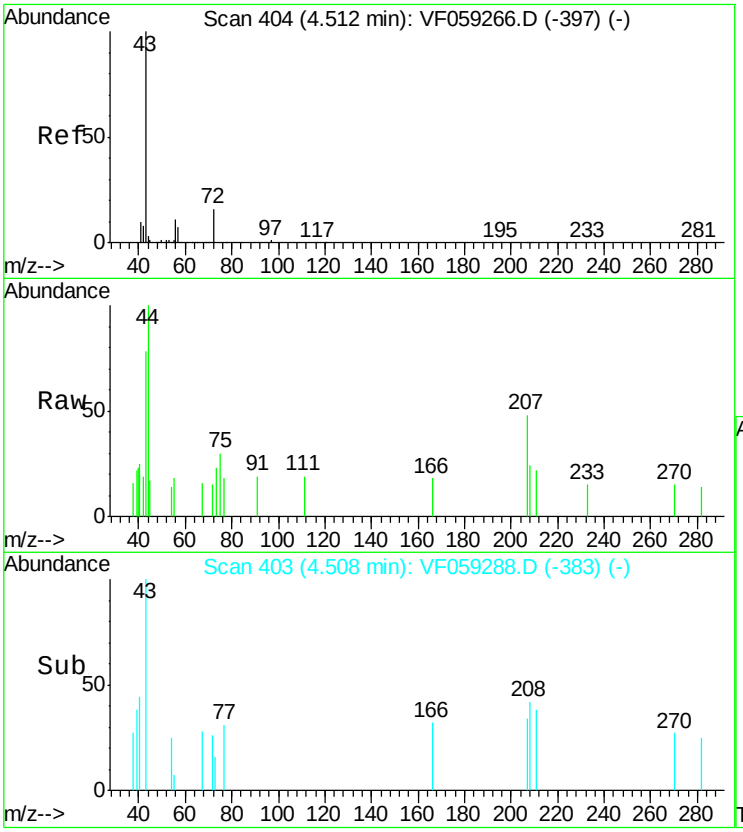




#18
Methyl Acetate
Concen:  5.723 ug/l
RT: 2.46 min  Scan# 195
Delta R.T.  0.01 min
Lab File:  VF059288.D
Acq: 22 Jun 2018  21:56

Tgt Ion: 43 Resp:  7162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 14.5 | 11.0 | 16.4 |



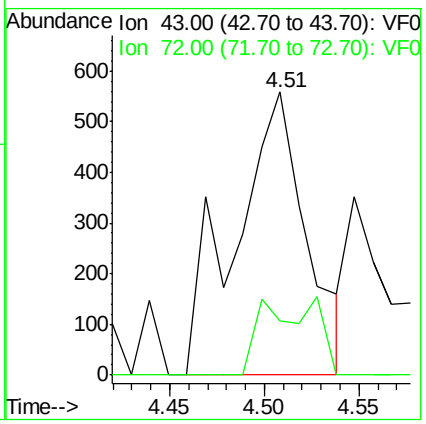


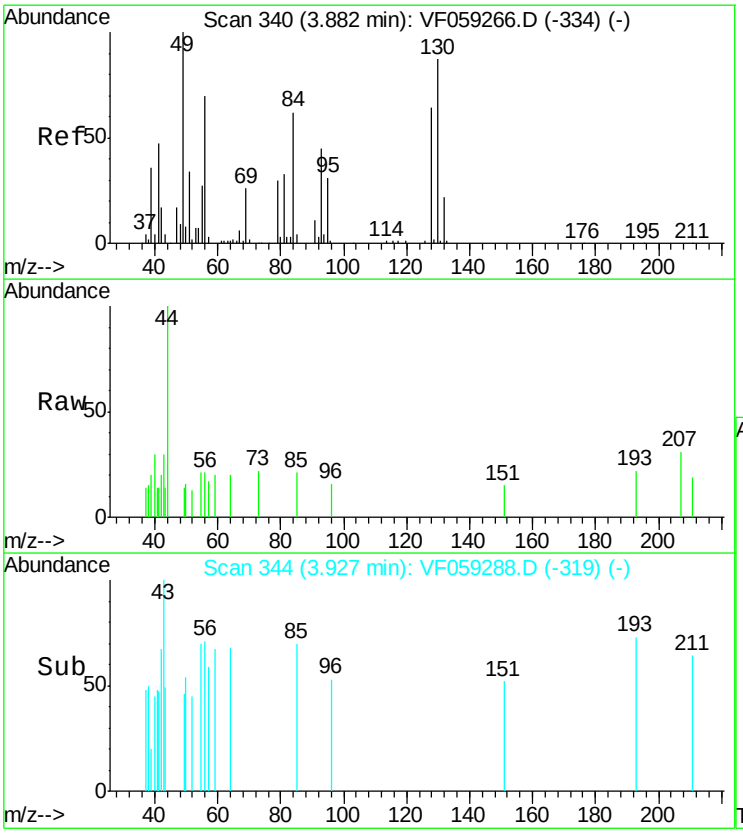

#25
2-Butanone
Concen: 1.656 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.00 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :** MSVOA_F
**ClientSampleId :** EPE-105-4(3-8)

Tgt Ion: 43 Resp: 1466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.0 | 15.2 | 22.8 |

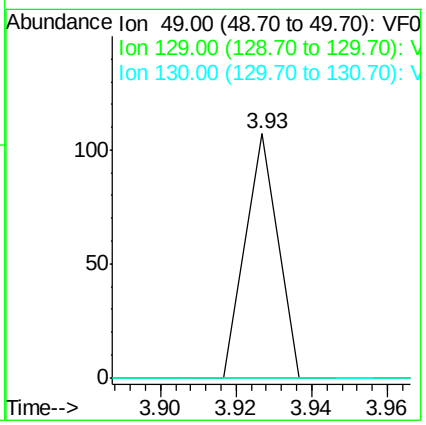


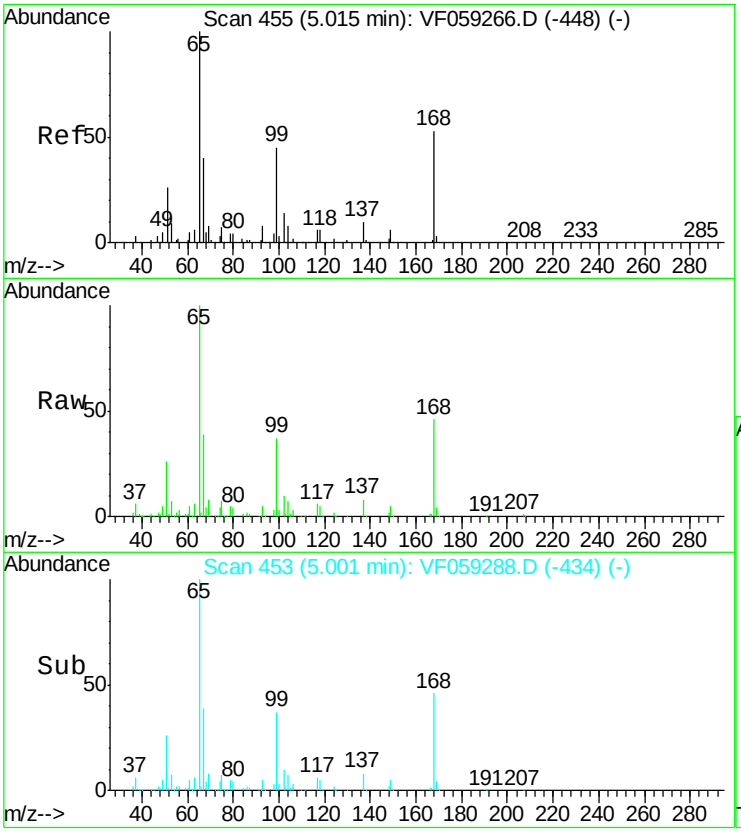




#28
Bromochloromethane
Concen: Below Cal
RT: 3.93 min Scan# 344
Delta R.T. 0.05 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion: 49 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 0.0 | 69.4 | 104.2# |



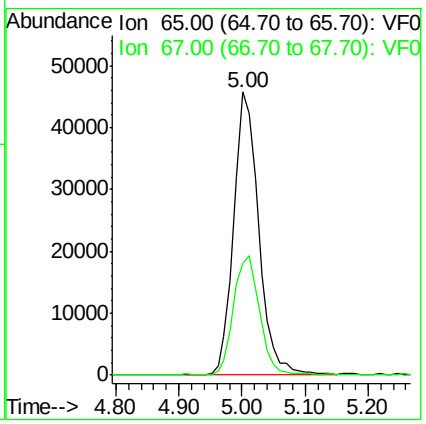


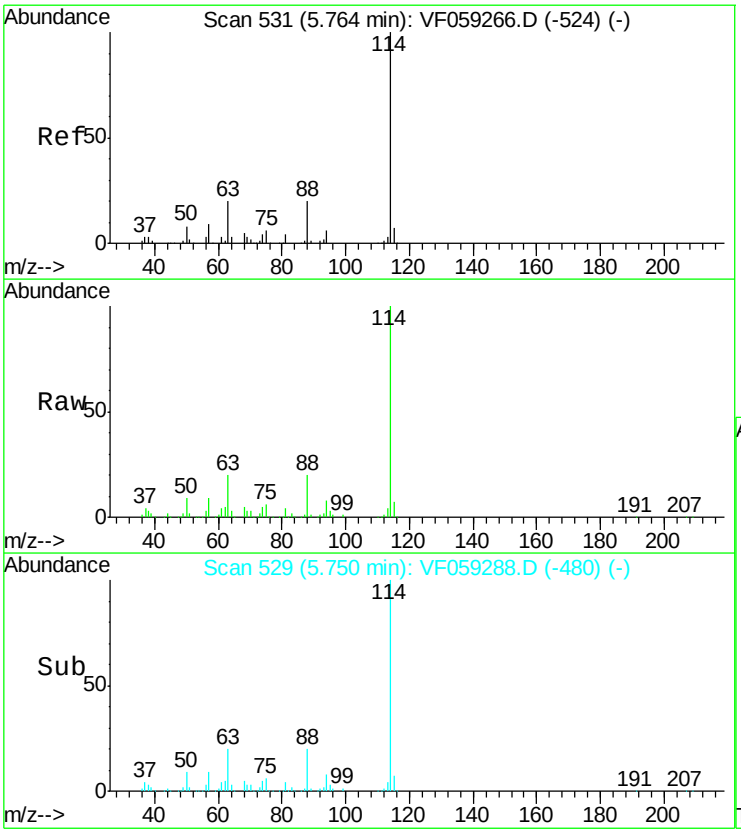

#33
1,2-Dichloroethane-d4
Concen: 44.622 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :** MSVOA_F
**ClientSampleId :** EPE-105-4(3-8)

Tgt Ion: 65 Resp: 125317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 39.4 | 0.0 | 95.8 |

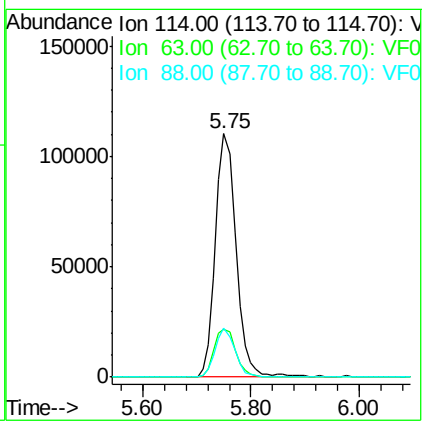


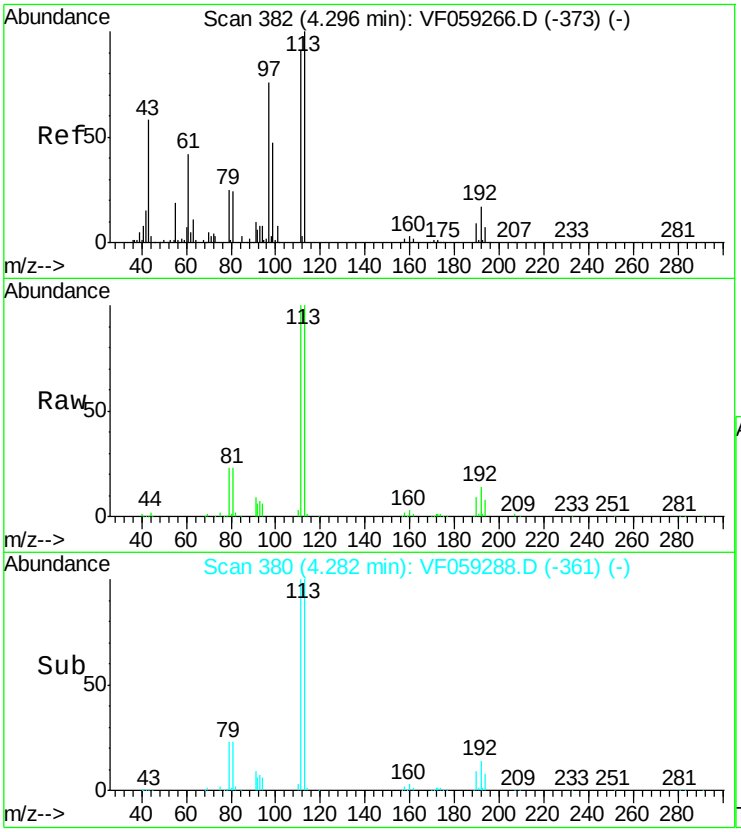




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.75 min Scan# 529
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion:114 Resp: 294110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 41.0 |
| 88 | 20.1 | 0.0 | 39.6 |



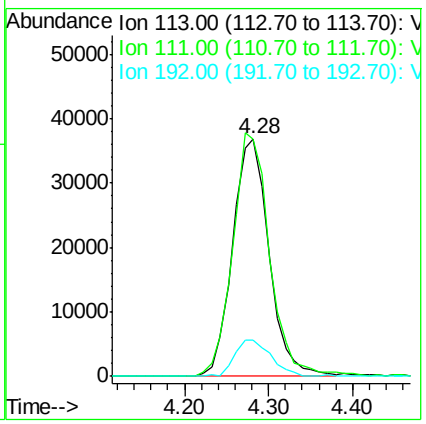


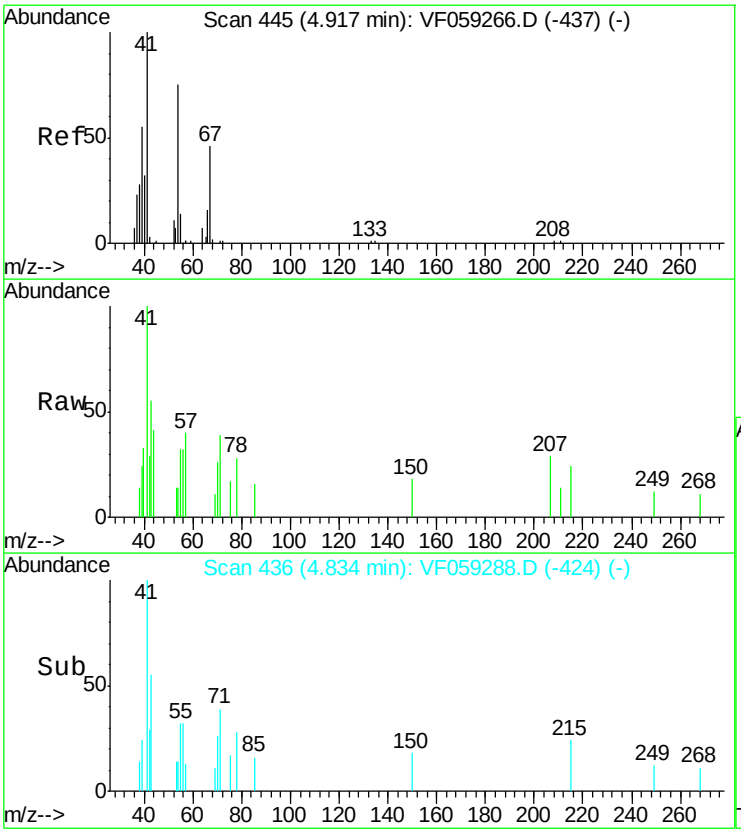

#35
Dibromofluoromethane
Concen: 45.034 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion:113 Resp: 111435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.5 | 73.1 | 109.7 |
| 192 | 15.0 | 13.9 | 20.9 |

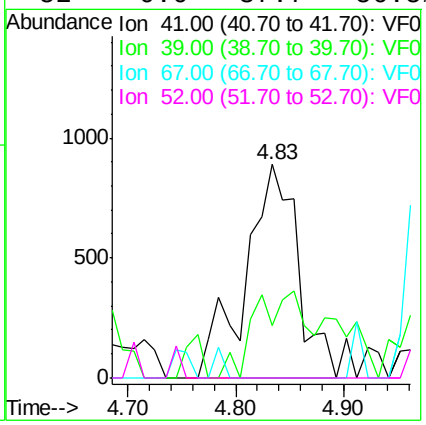


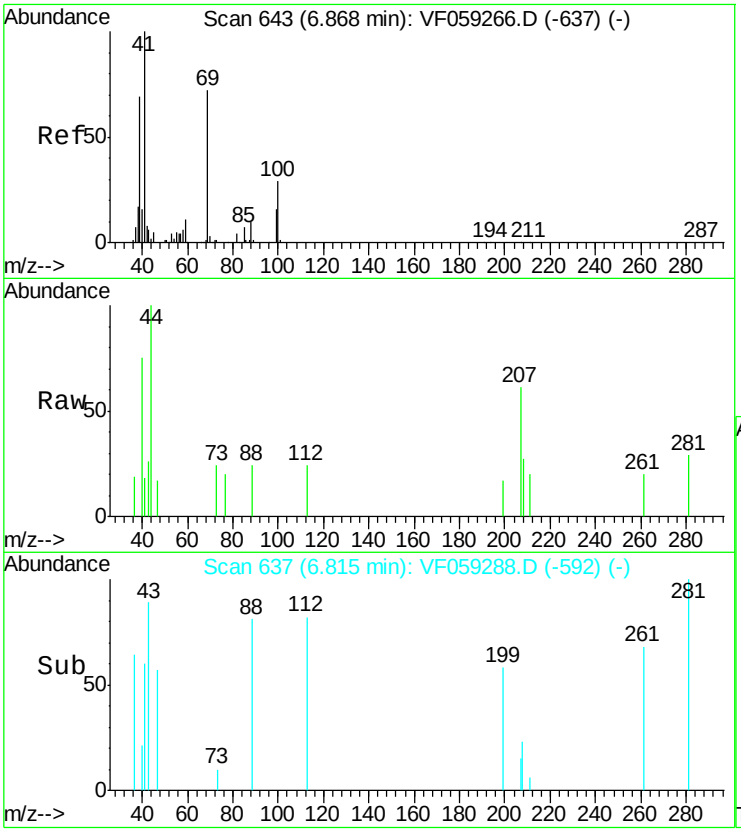




#41
Methacrylonitrile
Concen: 3.151 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.08 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion: 41 Resp: 2973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 24.5 | 57.0 | 85.6# |
| 67 | 0.0 | 36.8 | 55.2# |
| 52 | 0.0 | 37.7 | 56.5# |



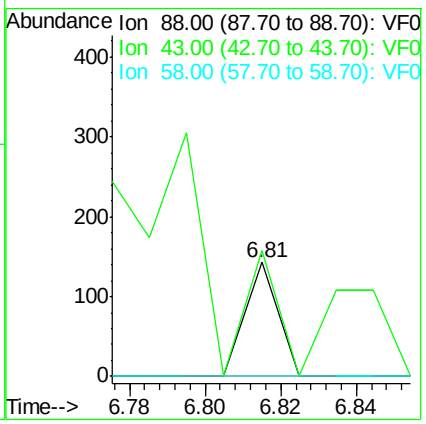


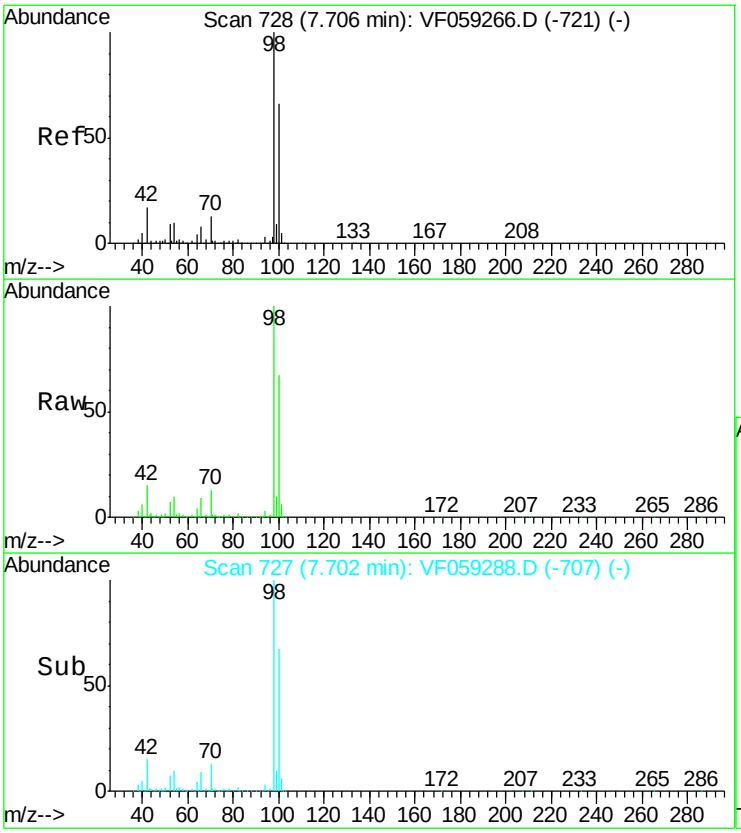

#49
1,4-Dioxane
Concen: 9.567 ug/l
RT: 6.81 min Scan# 637
Delta R.T. -0.05 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion: 88 Resp: 85

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 110.5 | 55.5 | 83.3# |
| 58 | 0.0 | 50.1 | 75.1# |

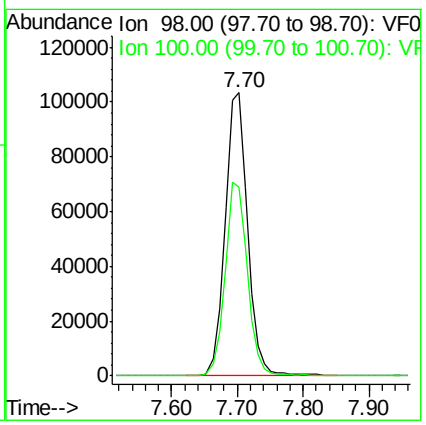


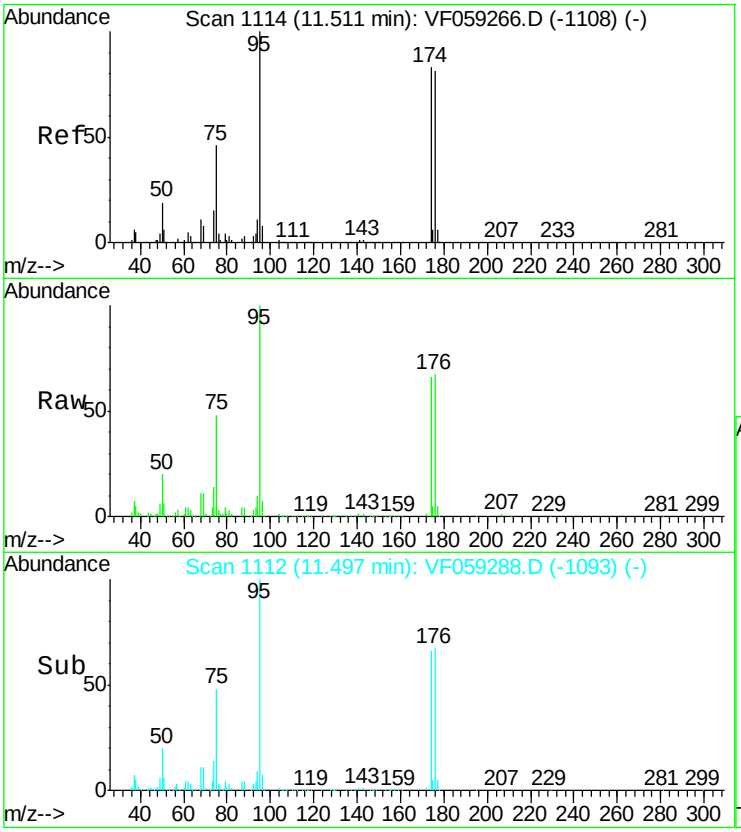




#50
Toluene-d8
Concen: 39.377 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion: 98 Resp: 247842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 52.8 | 79.2 |



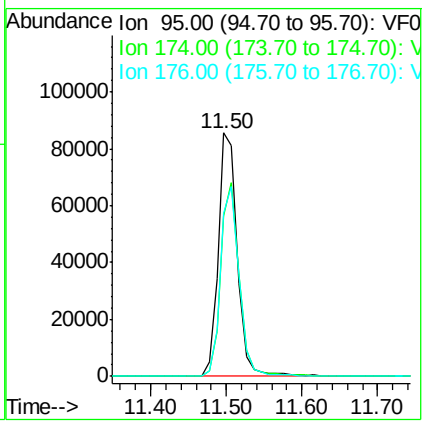


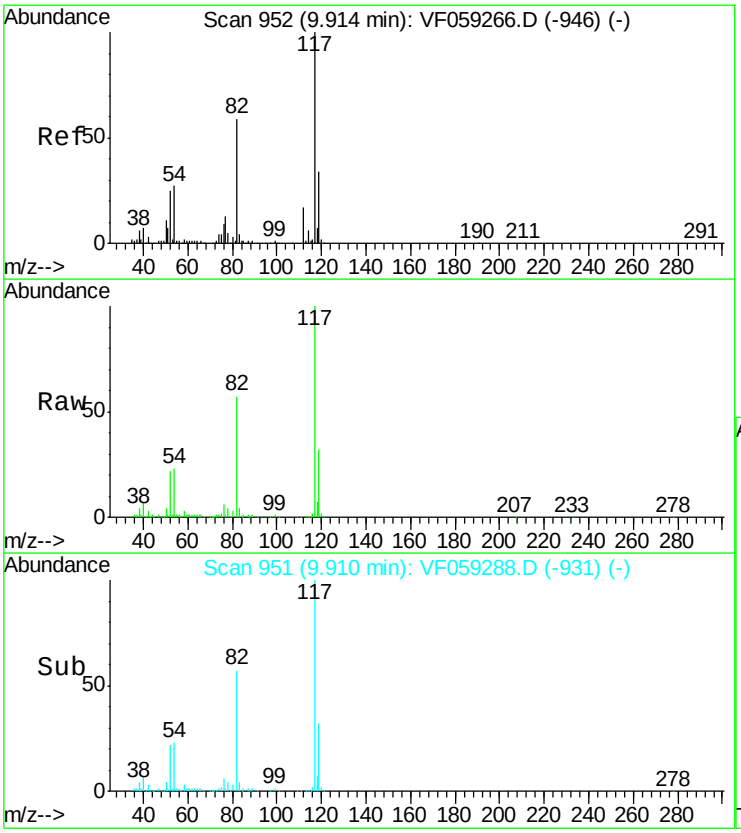

#62
4-Bromofluorobenzene
Concen: 43.240 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion: 95 Resp: 150919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.1 | 0.0 | 166.2 |
| 176 | 67.0 | 0.0 | 162.8 |

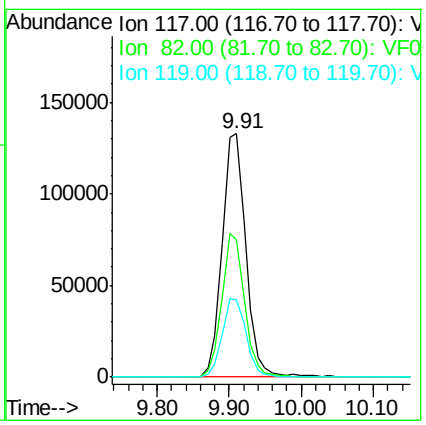


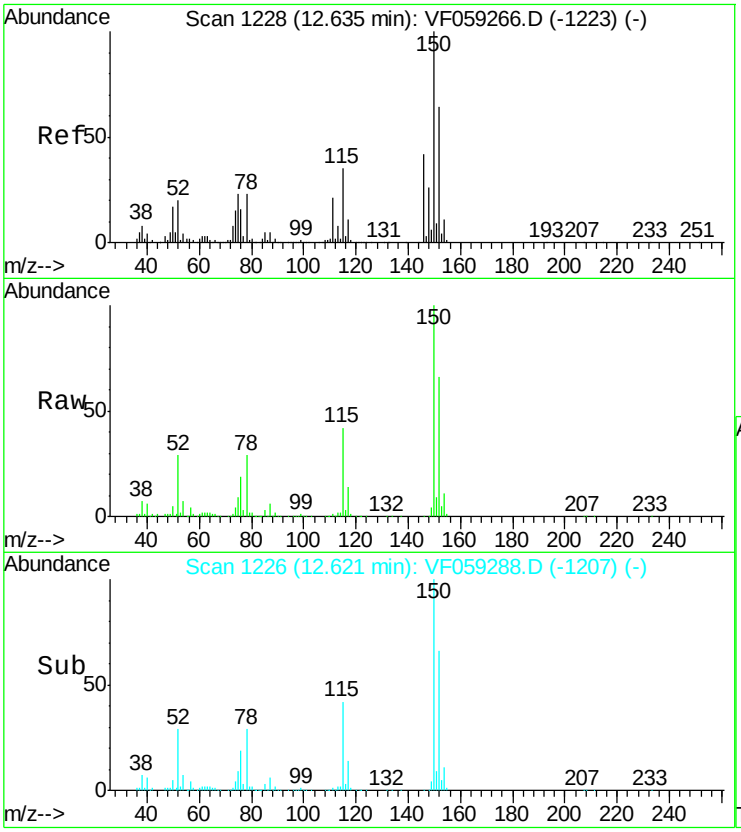




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

Tgt Ion:117 Resp: 304236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 47.1 | 70.7 |
| 119 | 31.6 | 26.9 | 40.3 |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059288.D
Acq: 22 Jun 2018 21:56

**Instrument :**
MSVOA_F
**ClientSampleId :**
EPE-105-4(3-8)

Tgt Ion:152 Resp: 201999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.5 | 27.8 | 83.3 |
| 150 | 151.3 | 0.0 | 313.8 |