Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
Data File : VF061640.D
Acq On : 14 Feb 2019 15:05
Operator : VA/AP
Sample : K1350-07
Misc : 6.52g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-021319-B

Quant Time: Feb 15 00:47:30 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 | 4.87 | 168 | 352201 | 50.00 | ug/l | -0.02 |
| 34) 1,4-Difluorobenzene | 5.60 | 114 | 558768 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.77 | 117 | 428699 | 50.00 | ug/l | -0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.55 | 152 | 233592 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.84 | 65 | 87971 | 34.06 | ug/l | -0.02 |
| Spiked Amount 50.000 | | | Recovery = 68.12% | | | |
| 35) Dibromofluoromethane | 4.11 | 113 | 133003 | 32.05 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 64.10% | | | |
| 50) Toluene-d8 | 7.55 | 98 | 354856 | 29.75 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 59.50% | | | |
| 62) 4-Bromofluorobenzene | 11.41 | 95 | 149209 | 30.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 61.82% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 1.63 | 74 | 1924 | 1.604 | ug/l | 73 |
| 11) Tert butyl alcohol | 2.57 | 59 | 482 | 3.225 | ug/l # | 63 |
| 13) Acrolein | 2.09 | 56 | 296 | 1.576 | ug/l | 90 |
| 16) Acetone | 2.24 | 43 | 25166 | 45.414 | ug/l | 96 |
| 18) Methyl Acetate | 2.24 | 43 | 25166 | 20.160 | ug/l # | 59 |
| 20) Methylene Chloride | 2.25 | 84 | 11648 | 1.477 | ug/l | 93 |
| 25) 2-Butanone | 4.35 | 43 | 2259 | 1.866 | ug/l # | 87 |
| 29) Tetrahydrofuran | 4.07 | 42 | 1970 | 3.581 | ug/l # | 68 |
| 51) 4-Methyl-2-Pentanone | 8.26 | 43 | 3191 | 1.467 | ug/l # | 59 |
| 52) Toluene | 7.62 | 92 | 13271 | 1.511 | ug/l | 93 |

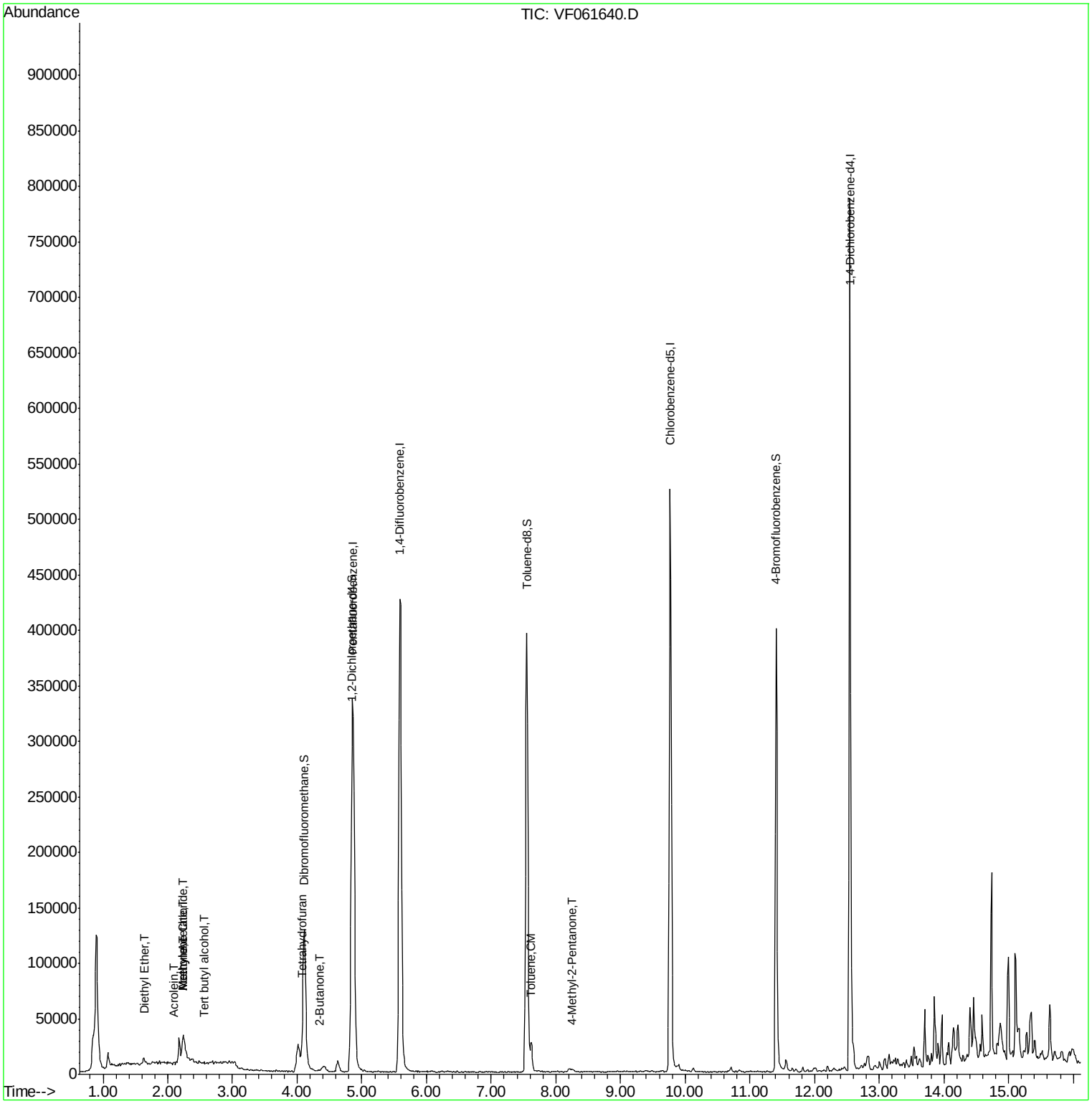
(#) = qualifier out of range (m) = manual integration (+) = signals summed

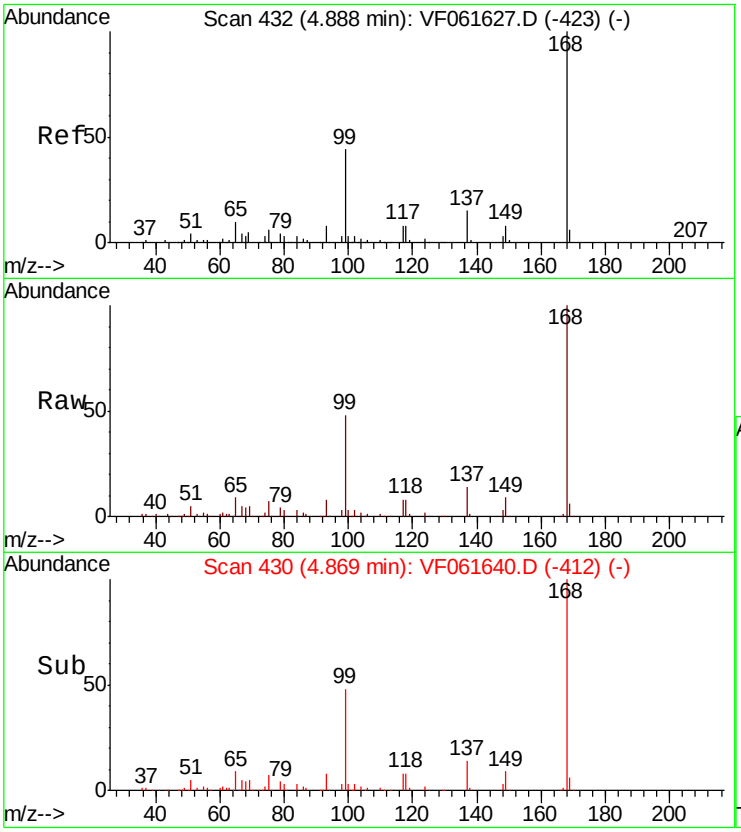
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF021419\
Data File : VF061640.D
Acq On : 14 Feb 2019 15:05
Operator : VA/AP
Sample : K1350-07
Misc : 6.52g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Quant Time: Feb 15 00:47:30 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



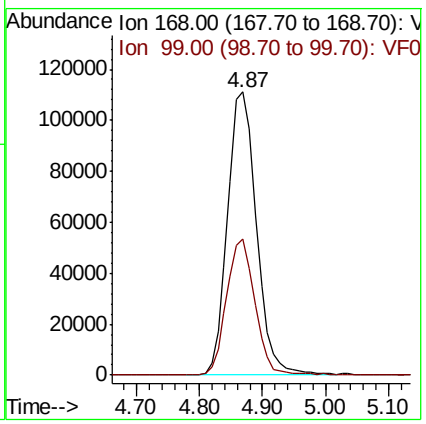


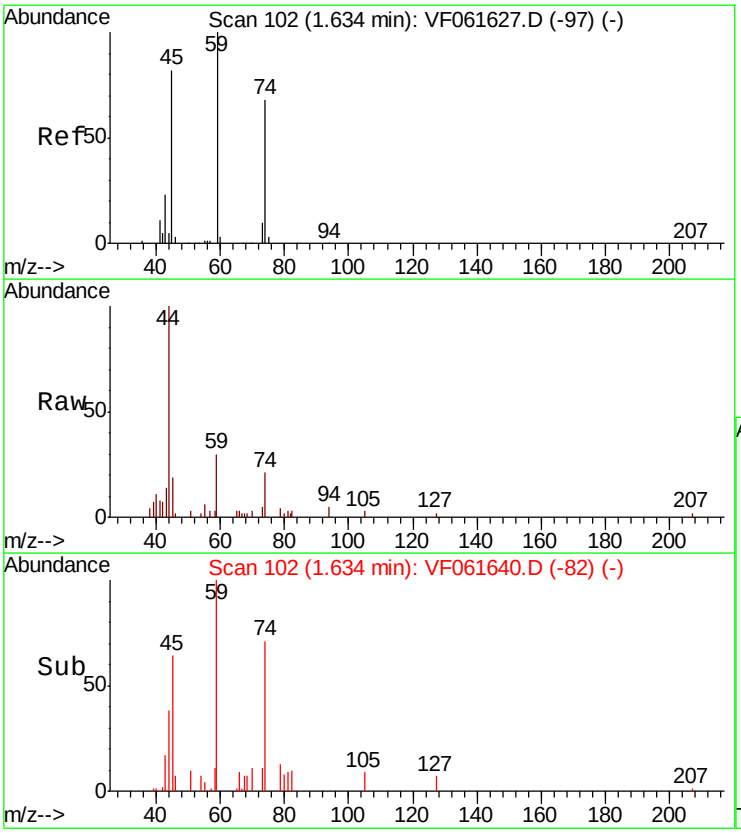

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.87 min Scan# 430
Delta R.T. -0.02 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Tgt Ion:168 Resp: 352201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.1 | 34.9 | 52.3 |

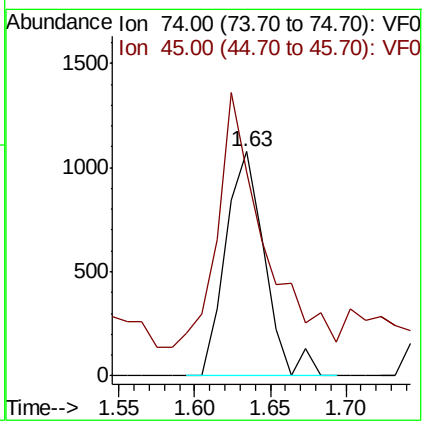


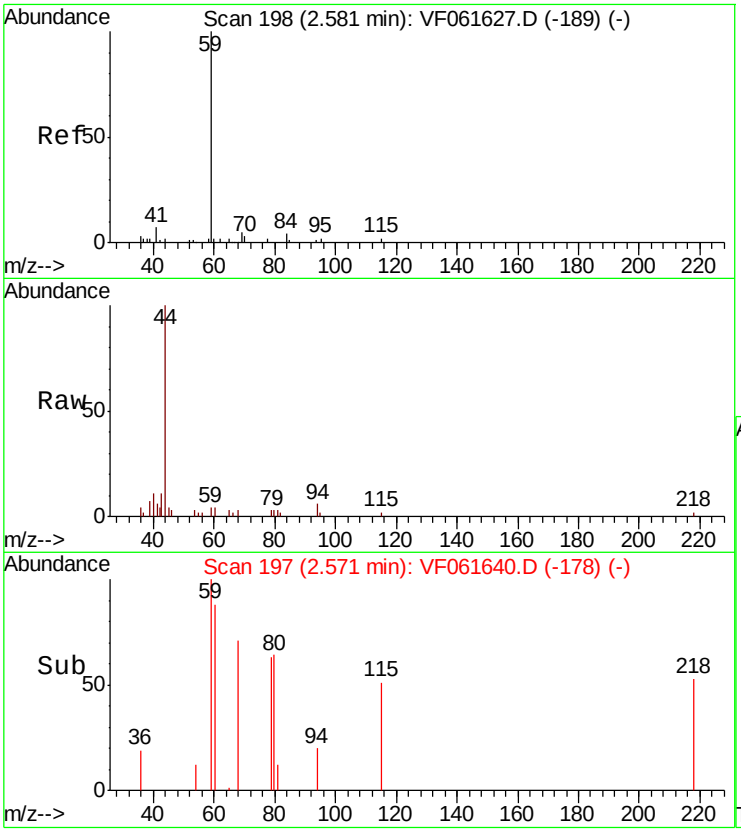




#8
Diethyl Ether
Concen: 1.604 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 74 Resp: 1924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 90.9 | 60.8 | 182.3 |



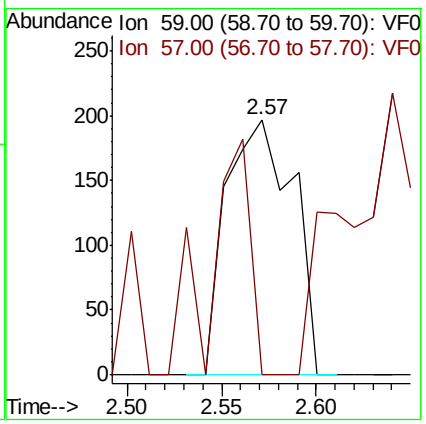


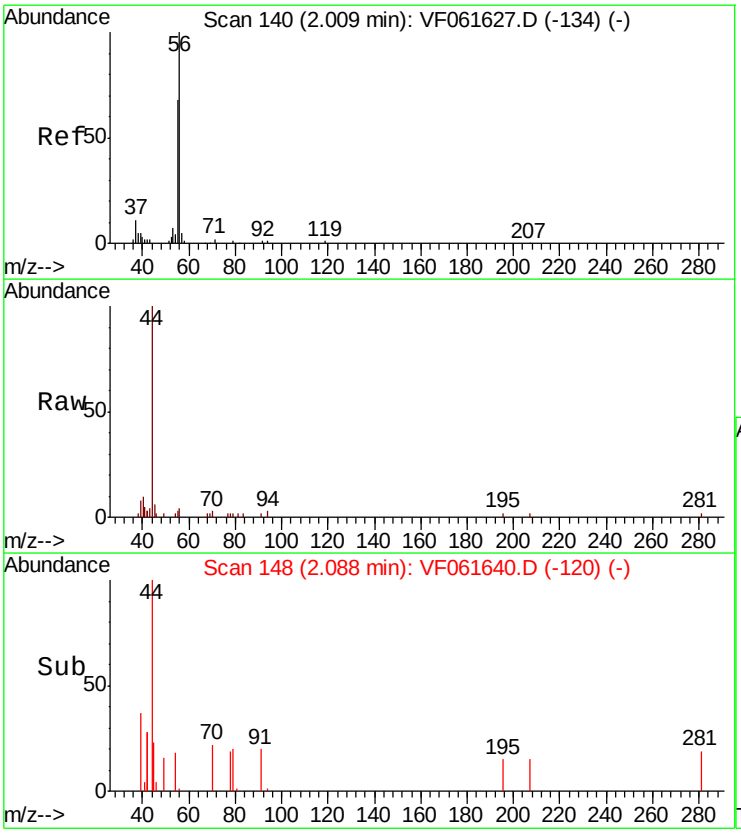

#11
Tert butyl alcohol
Concen: 3.225 ug/l
RT: 2.57 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-021319-B

Tgt Ion: 59 Resp: 482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 12.5 | 18.7# |

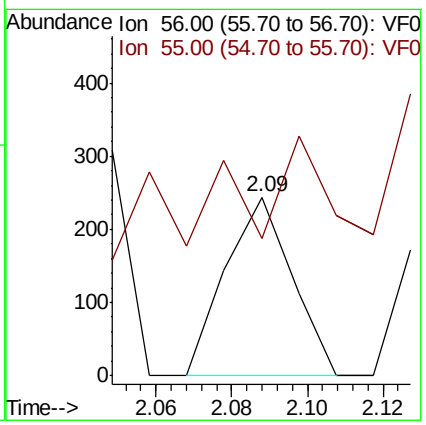


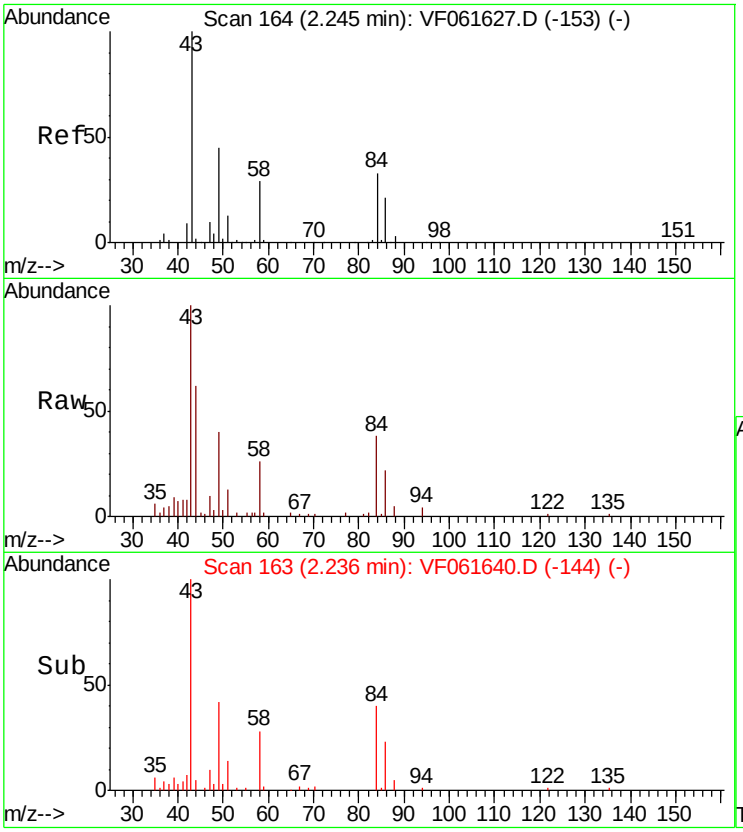




#13
Acrolein
Concen: 1.576 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.08 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 56 Resp: 296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 77.0 | 55.0 | 82.6 |



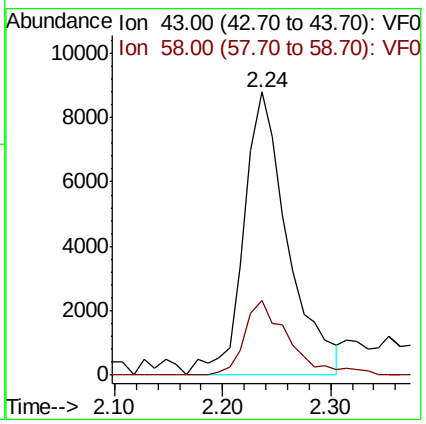


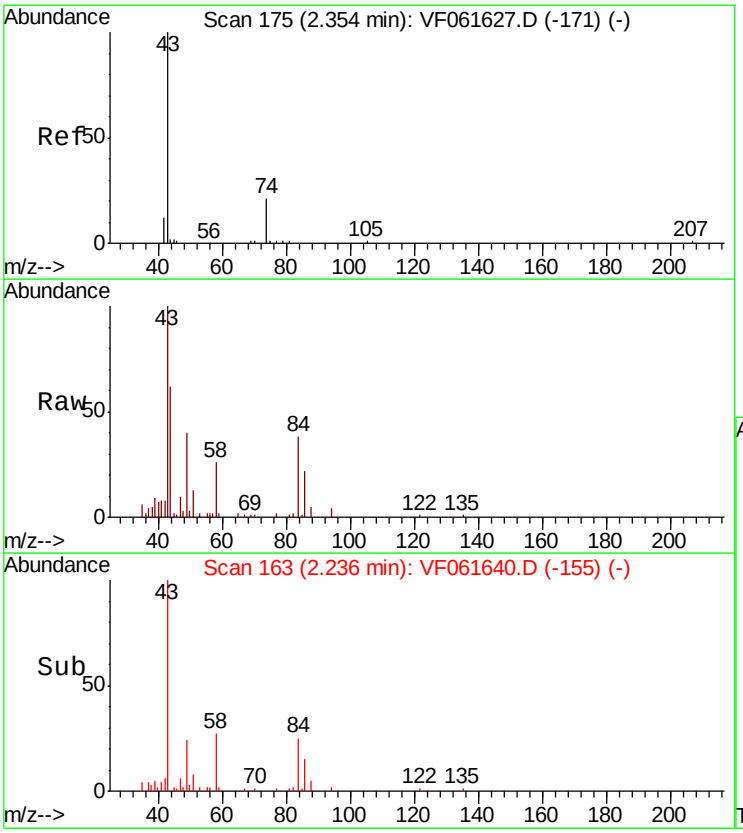

#16
Acetone
Concen: 45.414 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-021319-B

Tgt Ion: 43 Resp: 25166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.4 | 22.9 | 34.3 |

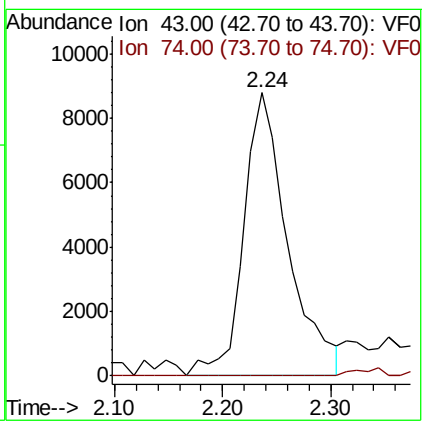


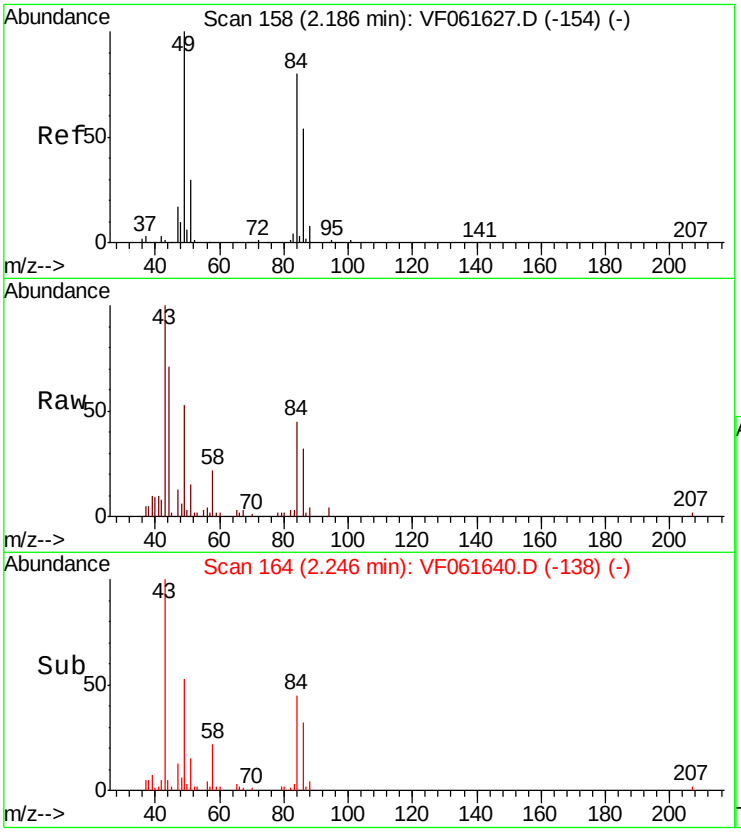




#18
Methyl Acetate
Concen: 20.160 ug/l
RT: 2.24 min Scan# 163
Delta R.T. -0.12 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 43 Resp: 25166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 14.6 | 21.8# |



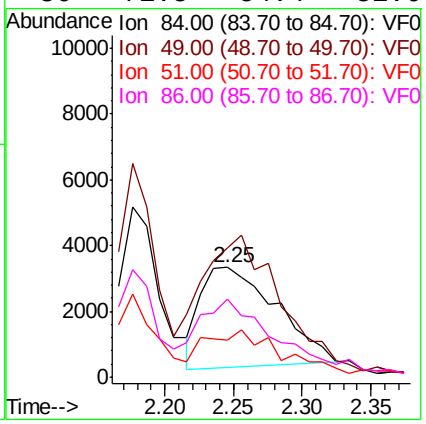


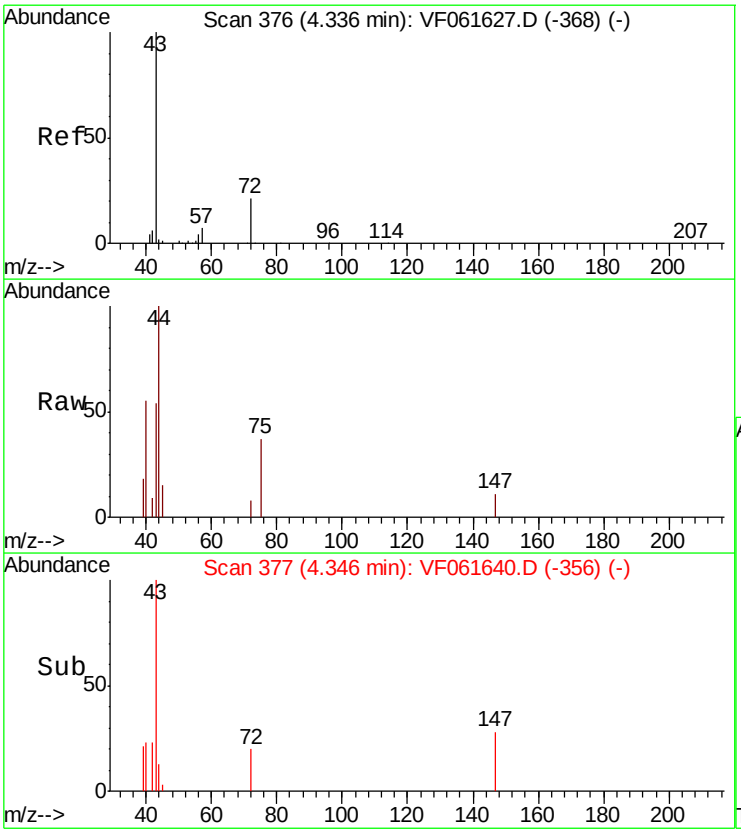

#20
Methylene Chloride
Concen: 1.477 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.06 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :** MSVOA_F
**ClientSampleId :** EO-02-021319-B

Tgt Ion: 84 Resp: 11648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.5 | 101.8 | 152.8 |
| 51 | 34.0 | 31.1 | 46.7 |
| 86 | 71.5 | 54.4 | 81.6 |

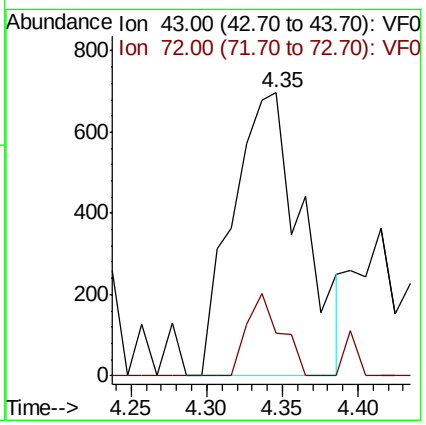


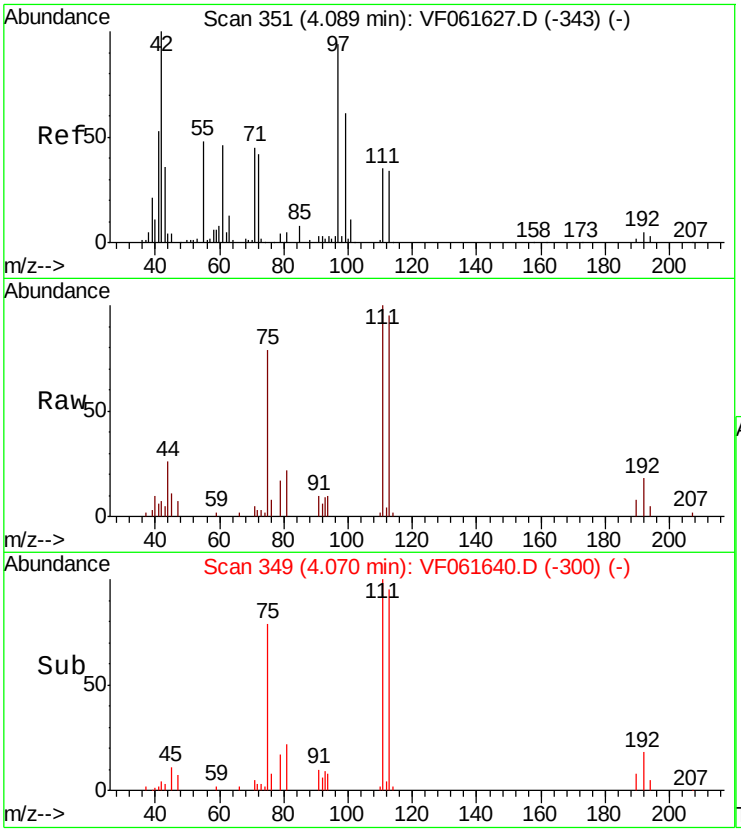




#25
2-Butanone
Concen: 1.866 ug/l
RT: 4.35 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 43 Resp: 2259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 15.1 | 17.1 | 25.7# |



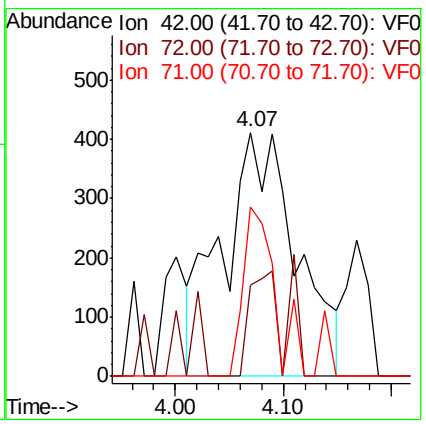


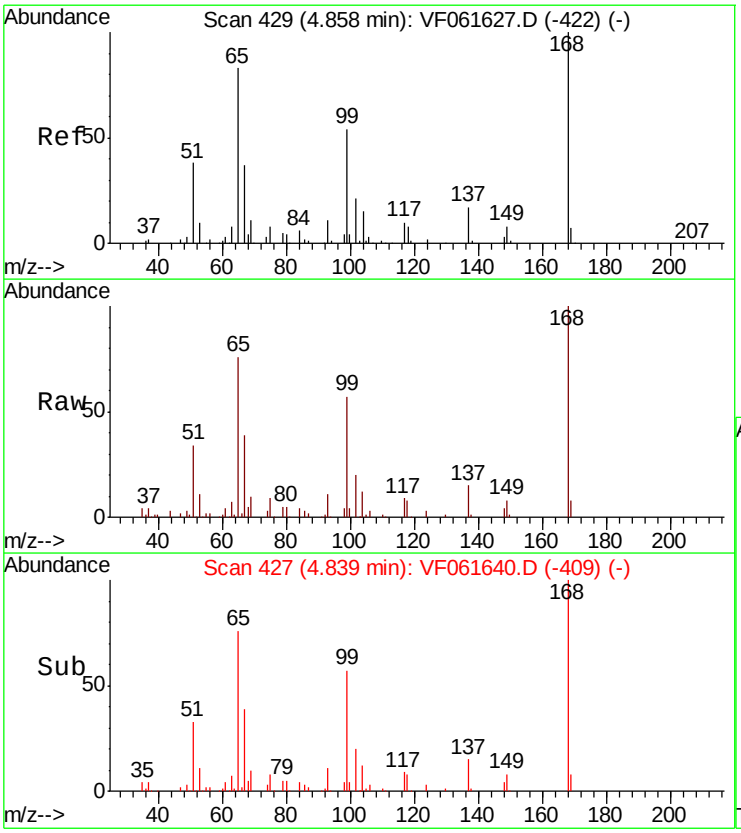

#29
Tetrahydrofuran
Concen: 3.581 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.02 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Tgt Ion: 42 Resp: 1970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 14.9 | 35.2 | 52.8# |
| 71 | 29.3 | 32.9 | 49.3# |

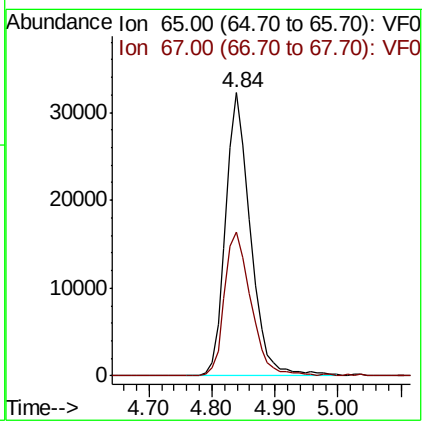


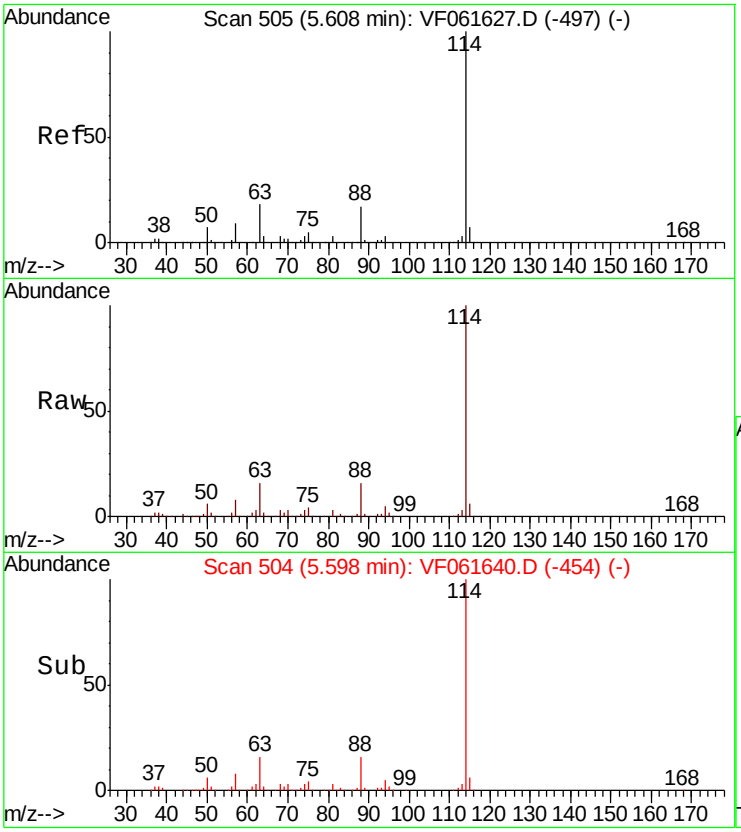




#33
1,2-Dichloroethane-d4
Concen: 34.061 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.02 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 65 Resp: 87971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 104.0 |



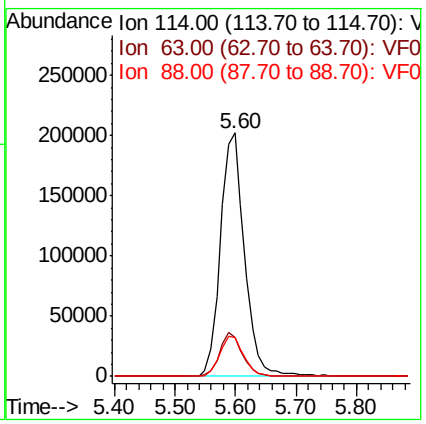


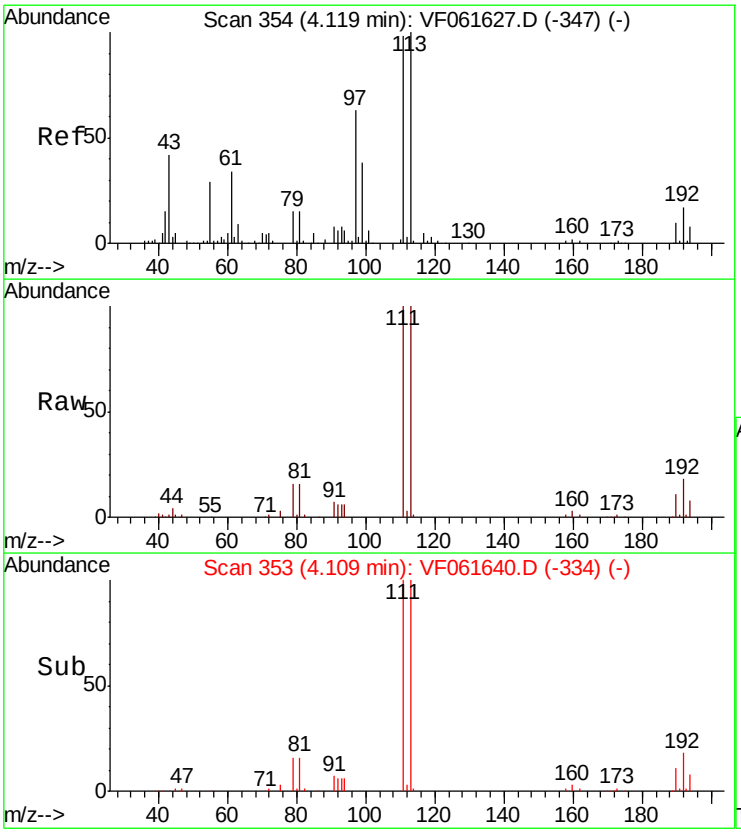

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 504
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Tgt Ion:114 Resp: 558768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 16.0 | 0.0 | 36.6 |
| 88 | 16.2 | 0.0 | 34.4 |

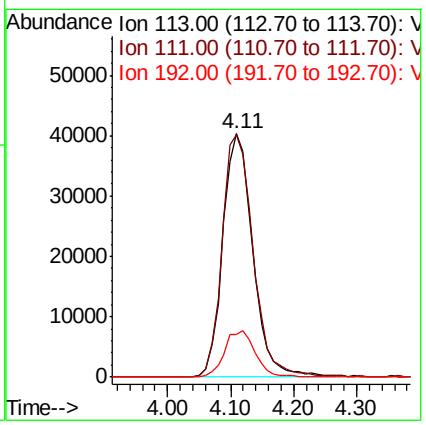


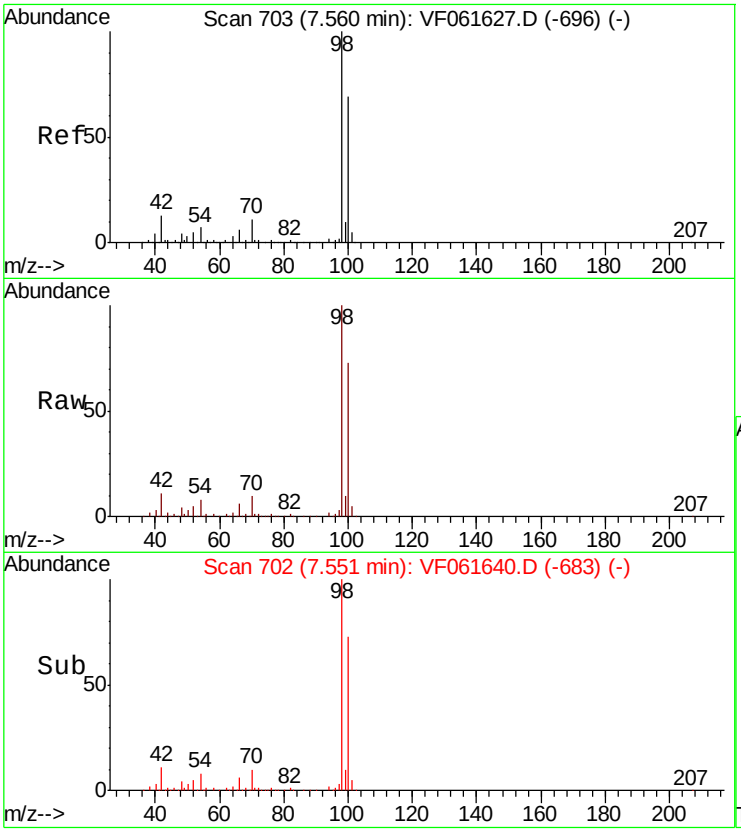




#35
Dibromofluoromethane
Concen: 32.053 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion:113 Resp: 133003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.5 | 78.8 | 118.2 |
| 192 | 18.6 | 13.4 | 20.0 |



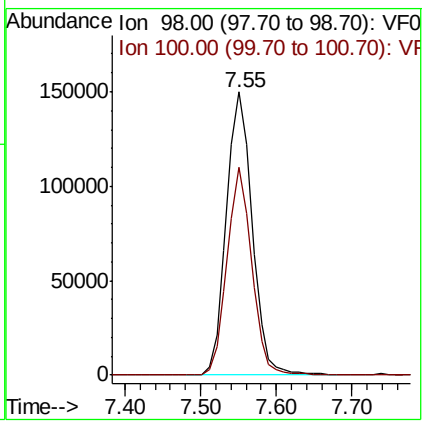


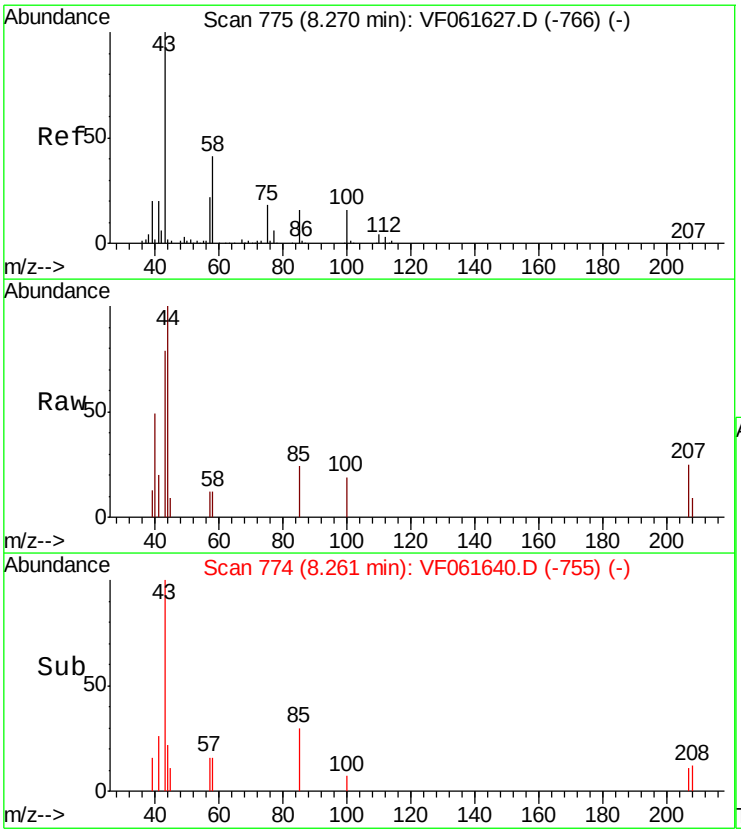

#50
Toluene-d8
Concen: 29.749 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Tgt Ion: 98 Resp: 354856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 73.2 | 55.4 | 83.2 |

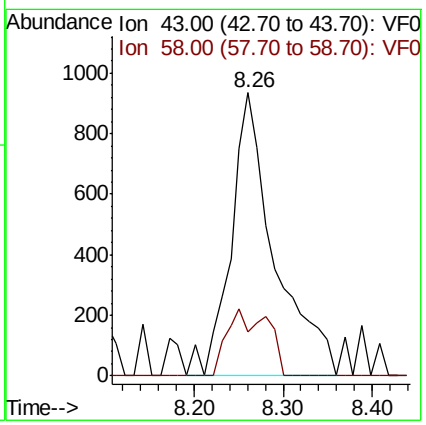


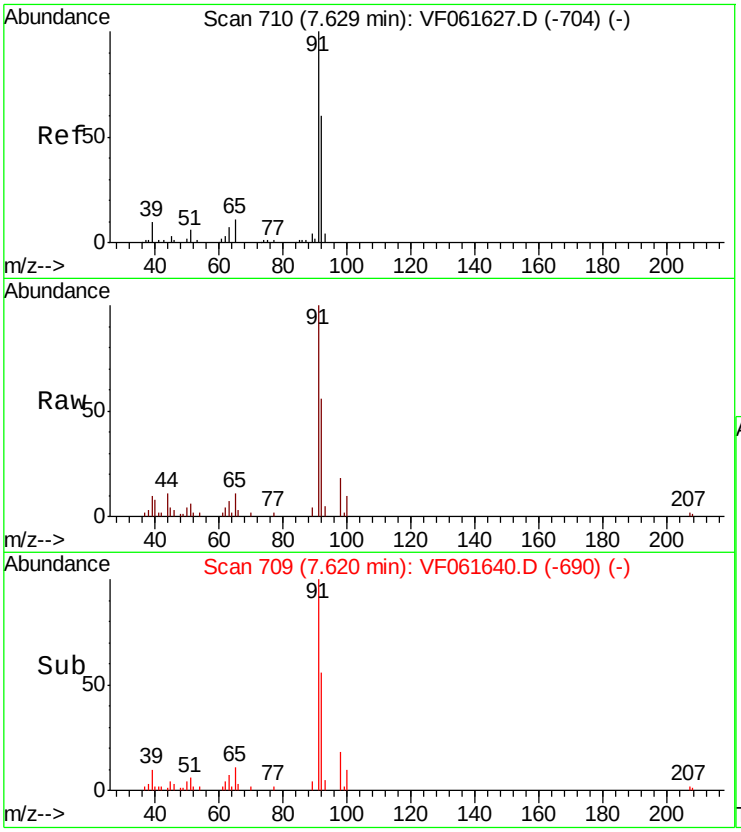




#51
4-Methyl-2-Pentanone
Concen: 1.467 ug/l
RT: 8.26 min Scan# 774
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 43 Resp: 3191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 15.5 | 33.1 | 49.7# |



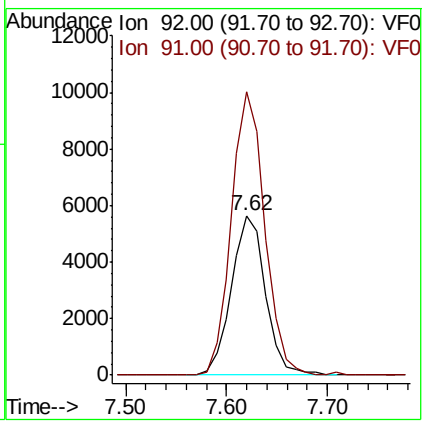


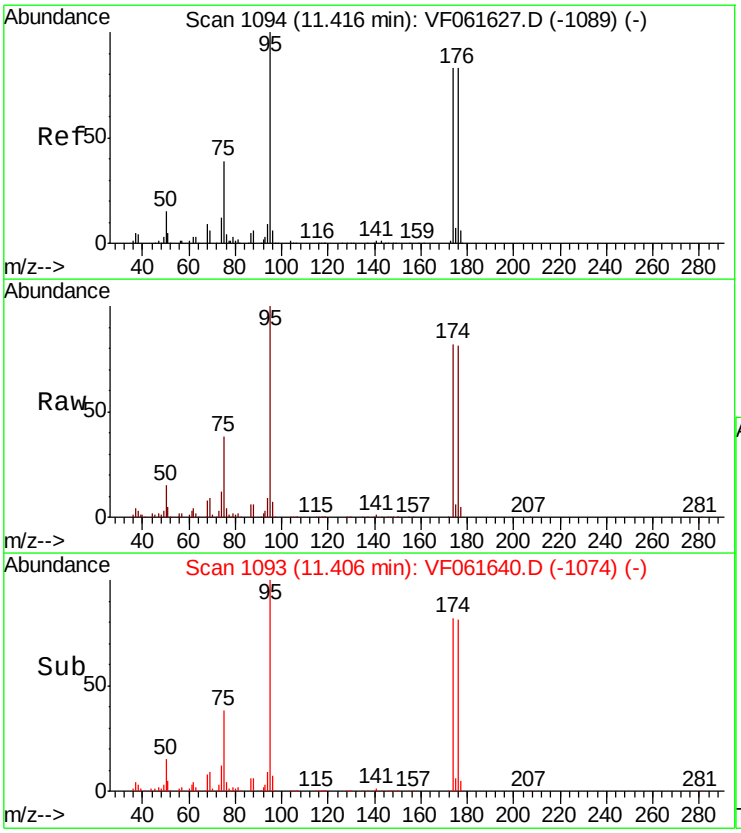

#52
Toluene
Concen: 1.511 ug/l
RT: 7.62 min Scan# 709
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Tgt Ion: 92 Resp: 13271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 177.3 | 133.9 | 200.9 |

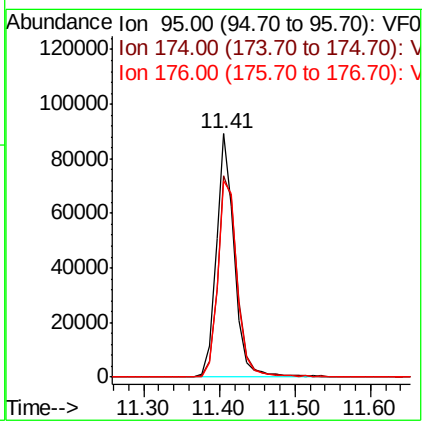


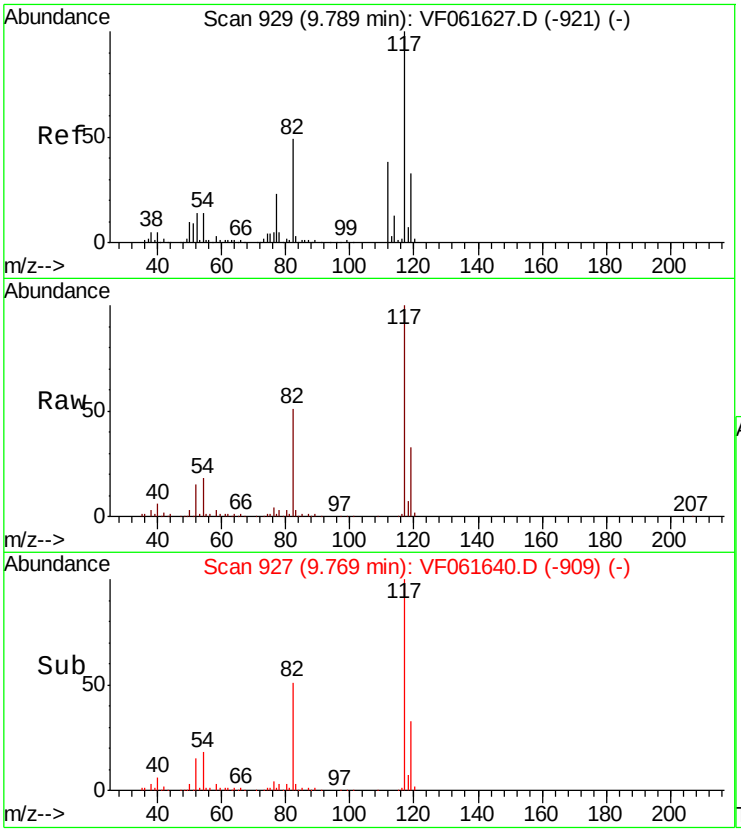




#62
4-Bromofluorobenzene
Concen: 30.915 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion: 95 Resp: 149209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.5 | 0.0 | 165.8 |
| 176 | 80.8 | 0.0 | 167.0 |



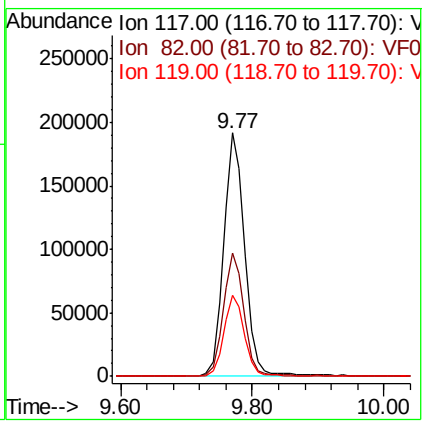


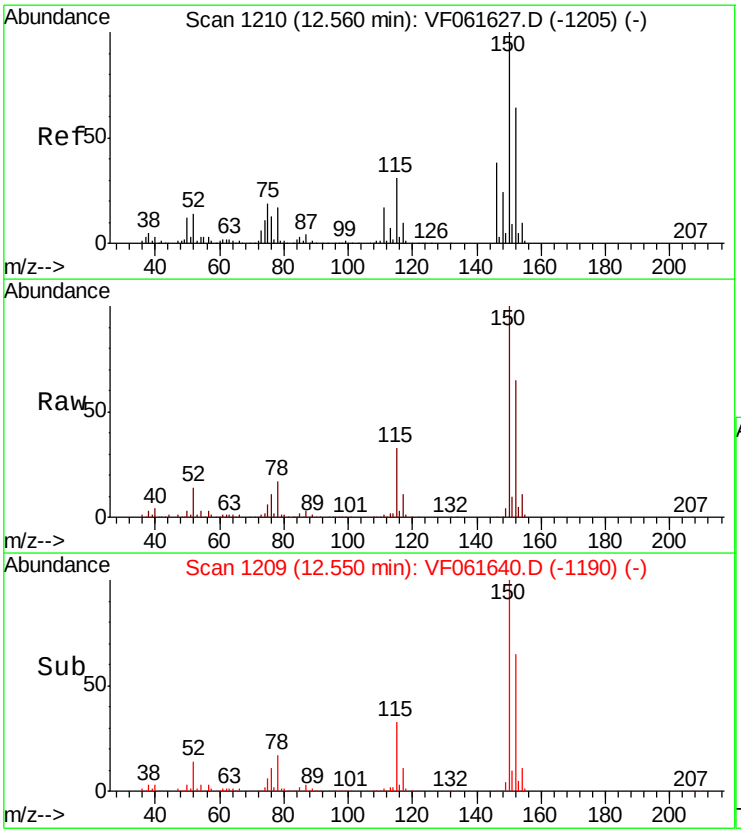

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

**Instrument :**
MSVOA_F
**ClientSampleId :**
EO-02-021319-B

Tgt Ion:117 Resp: 428699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.9 | 39.3 | 58.9 |
| 119 | 33.1 | 26.6 | 40.0 |




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF061640.D
Acq: 14 Feb 2019 15:05

Tgt Ion:152 Resp: 233592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 50.7 | 24.3 | 72.8 |
| 150 | 154.1 | 0.0 | 312.0 |