Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062071.D
Acq On : 21 Mar 2019 20:16
Operator : VA/AP
Sample : K1690-01
Misc : 7.06g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** HD-02-032019

Quant Time: Mar 22 08:10:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 4.89 | 168 | 245225 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 5.61 | 114 | 395756 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.79 | 117 | 308471 | 50.00 | ug/l | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 12.56 | 152 | 129945 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 4.86 | 65 | 98012 | 55.52 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 111.04% | | | |
| 35) Dibromofluoromethane | 4.13 | 113 | 135248 | 50.89 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 101.78% | | | |
| 50) Toluene-d8 | 7.57 | 98 | 314891 | 40.53 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 81.06% | | | |
| 62) 4-Bromofluorobenzene | 11.43 | 95 | 124665 | 40.39 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 80.78% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Diethyl Ether | 1.64 | 74 | 2321 | 3.067 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.58 | 59 | 208 | 1.926 | ug/l # | 1 |
| 13) Acrolein | 2.01 | 56 | 203 | 1.741 | ug/l # | 1 |
| 16) Acetone | 2.25 | 43 | 29033 | 73.244 | ug/l | 99 |
| 18) Methyl Acetate | 2.35 | 43 | 1190 | 1.325 | ug/l # | 71 |
| 20) Methylene Chloride | 2.19 | 84 | 6460 | 3.124 | ug/l # | 93 |
| 25) 2-Butanone | 4.37 | 43 | 3459 | 4.406 | ug/l | 99 |
| 52) Toluene | 7.64 | 92 | 7194 | 1.243 | ug/l | 90 |

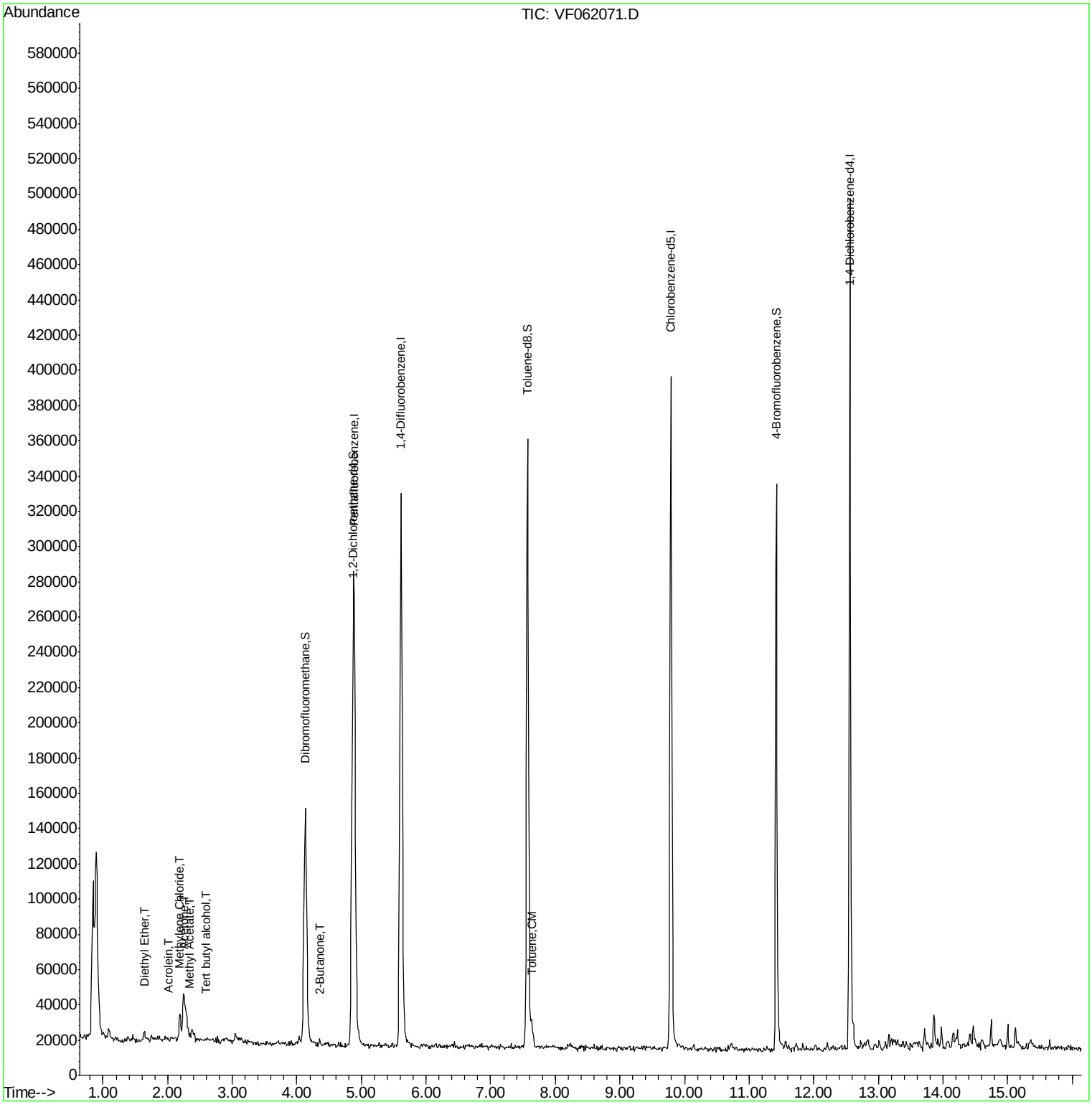
(#) = qualifier out of range (m) = manual integration (+) = signals summed

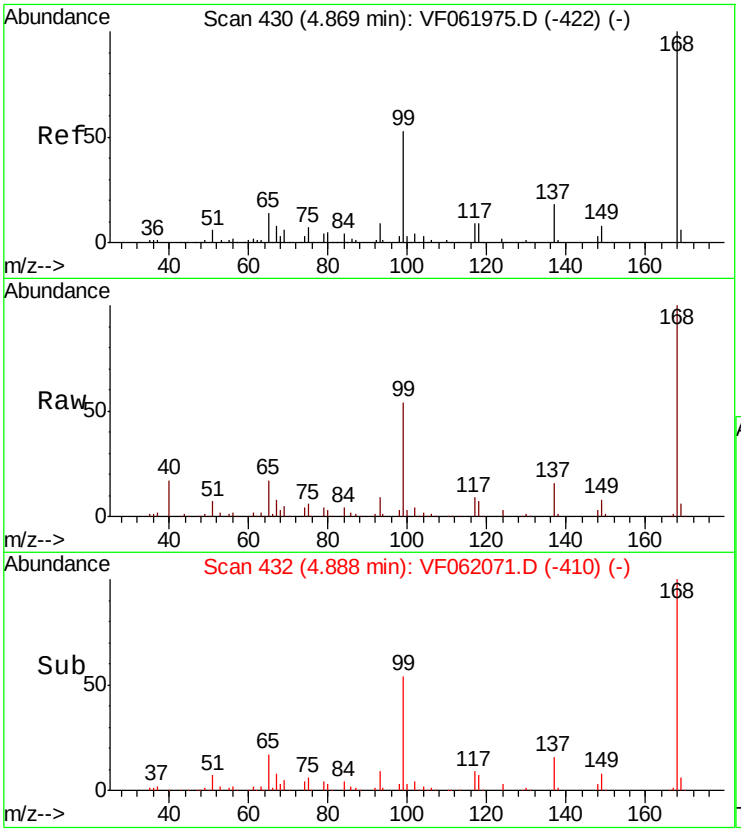
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062071.D
Acq On : 21 Mar 2019 20:16
Operator : VA/AP
Sample : K1690-01
Misc : 7.06g/5mL/MSVOA-F/SOIL
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Quant Time: Mar 22 08:10:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration



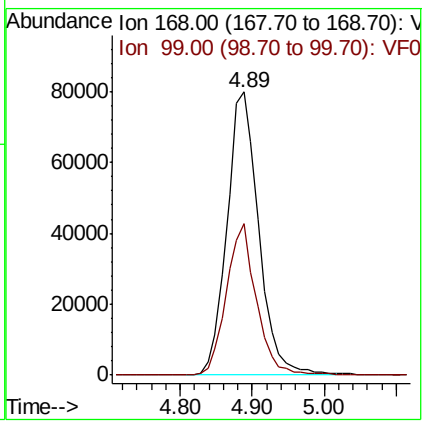


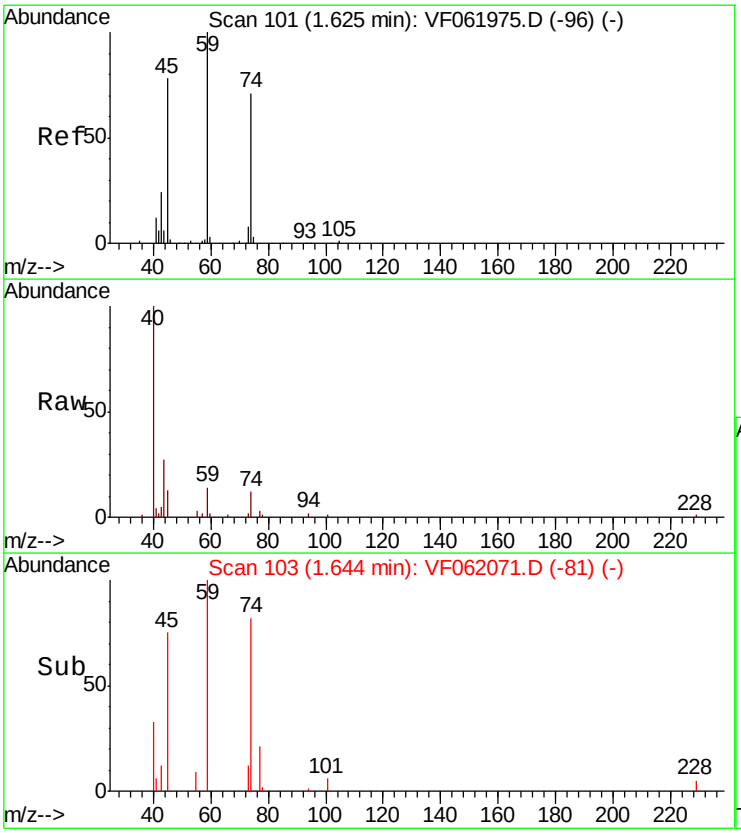

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Tgt Ion:168 Resp: 245225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.6 | 42.4 | 63.6 |

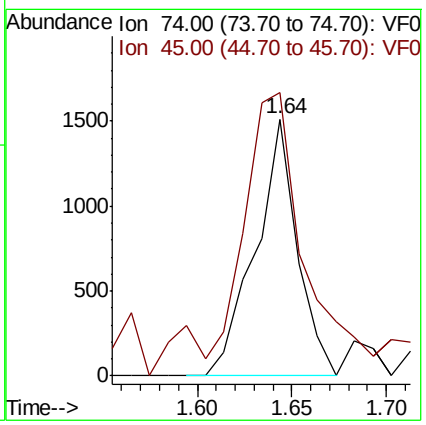


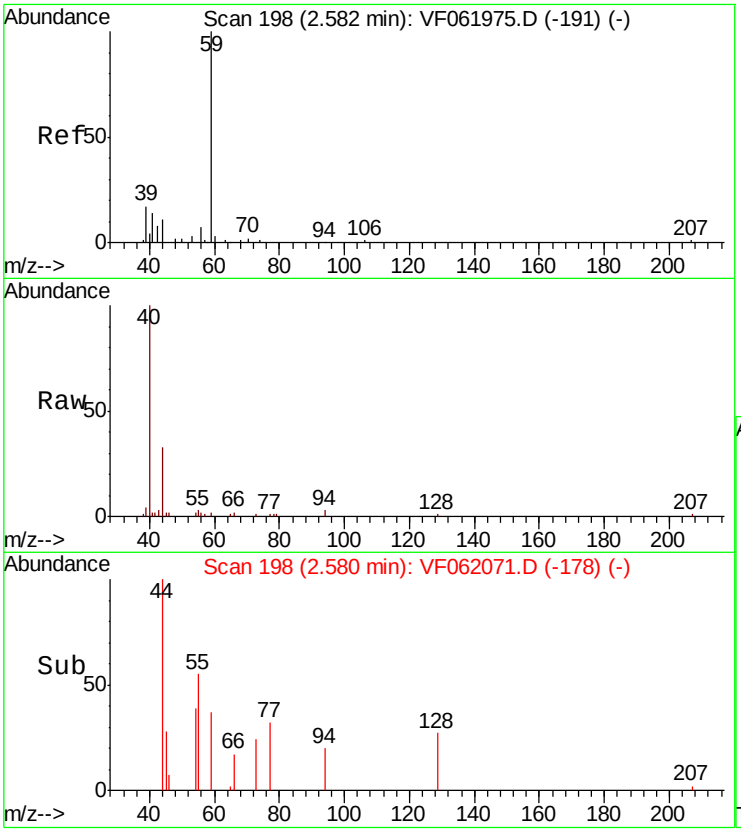




#8
Diethyl Ether
Concen: 3.067 ug/l
RT: 1.64 min Scan# 103
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion: 74 Resp: 2321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.1 | 56.3 | 168.8 |



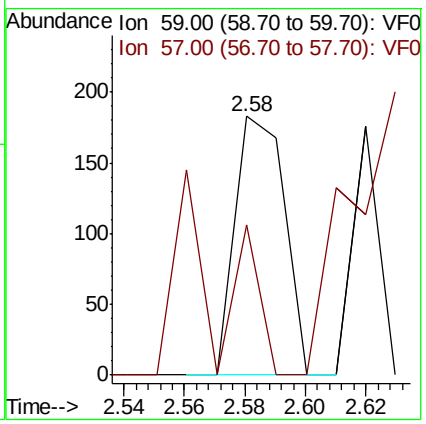


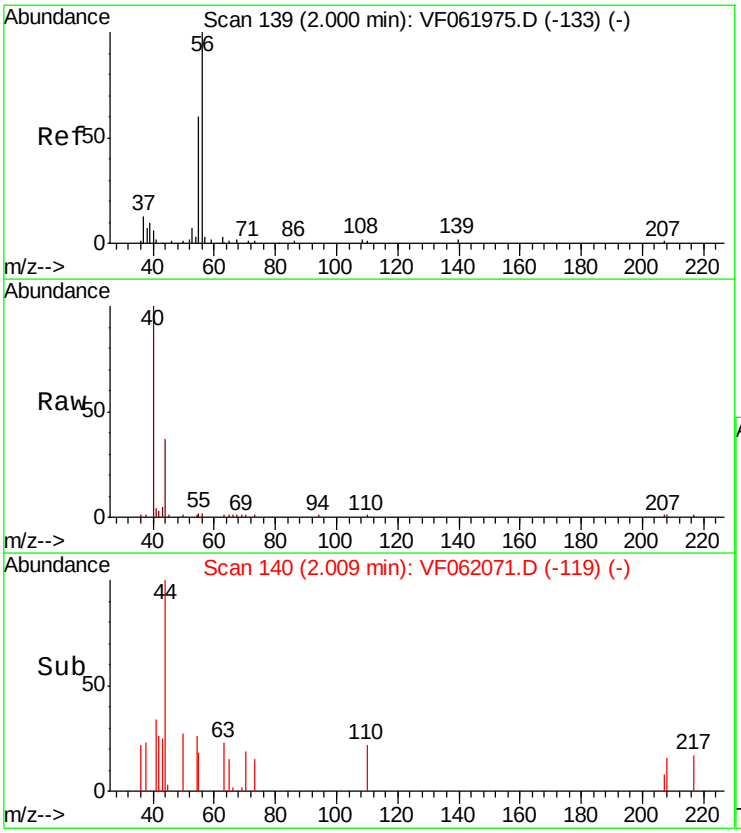

#11
Tert butyl alcohol
Concen: 1.926 ug/l
RT: 2.58 min Scan# 198
Delta R.T. -0.00 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :** MSVOA_F
**ClientSampleId :** HD-02-032019

Tgt Ion: 59 Resp: 208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 57.9 | 8.7 | 13.1# |

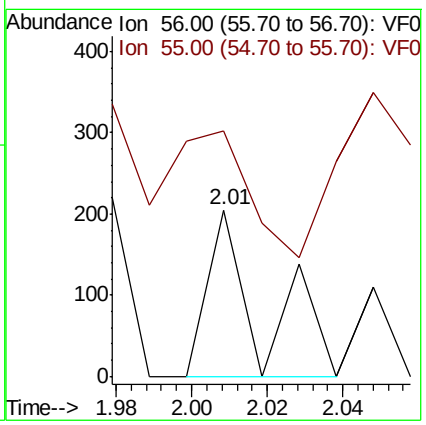


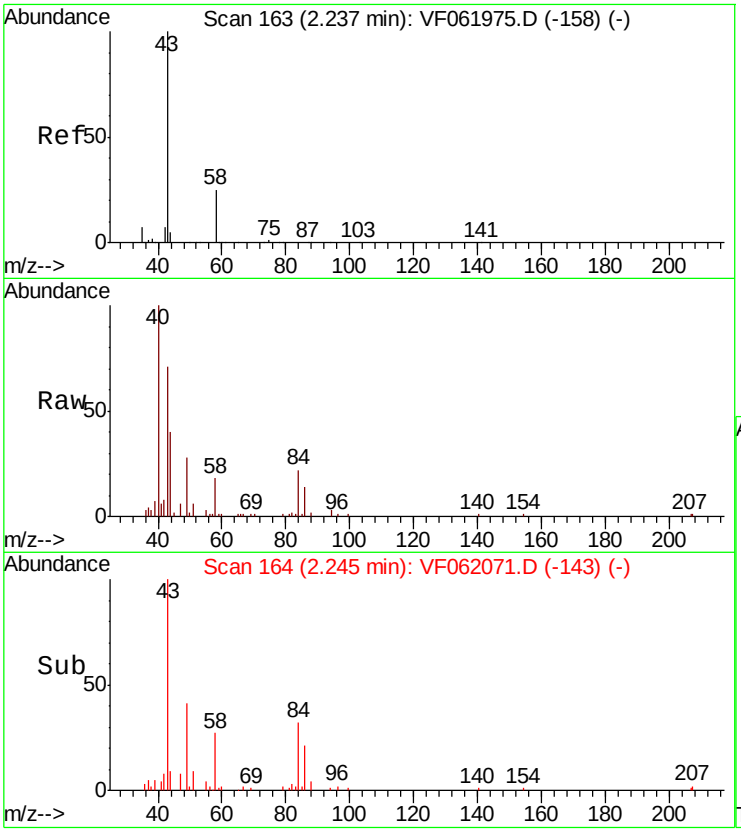




#13
Acrolein
Concen: 1.741 ug/l
RT: 2.01 min Scan# 140
Delta R.T. 0.01 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion: 56 Resp: 203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 147.3 | 49.1 | 73.7# |



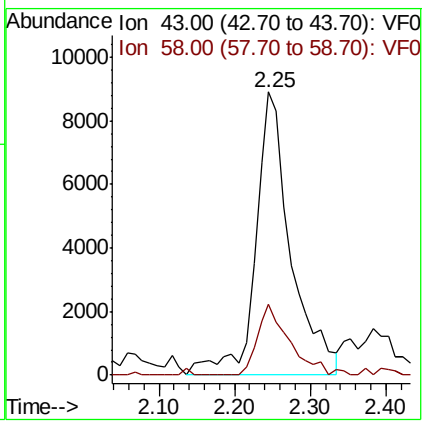


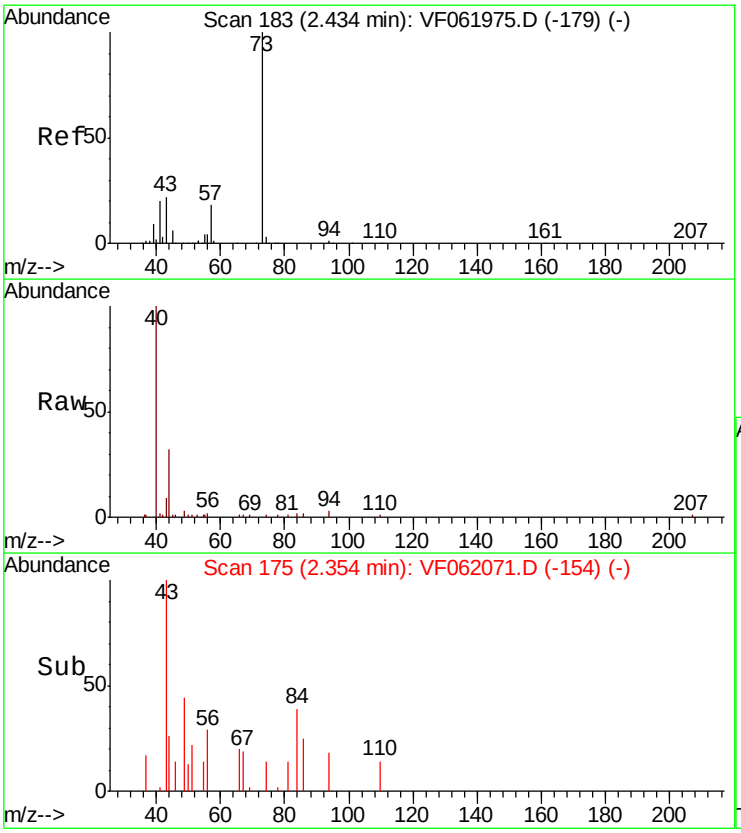

#16
Acetone
Concen: 73.244 ug/l
RT: 2.25 min Scan# 164
Delta R.T. 0.01 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Tgt Ion: 43 Resp: 29033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.2 | 19.9 | 29.9 |

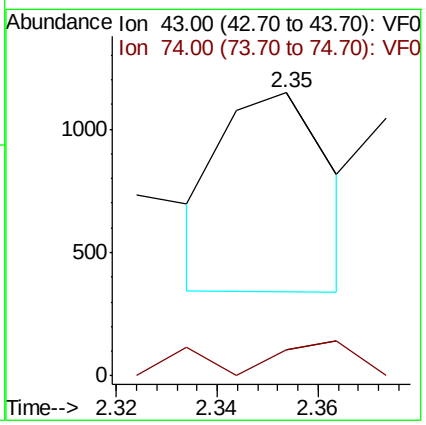


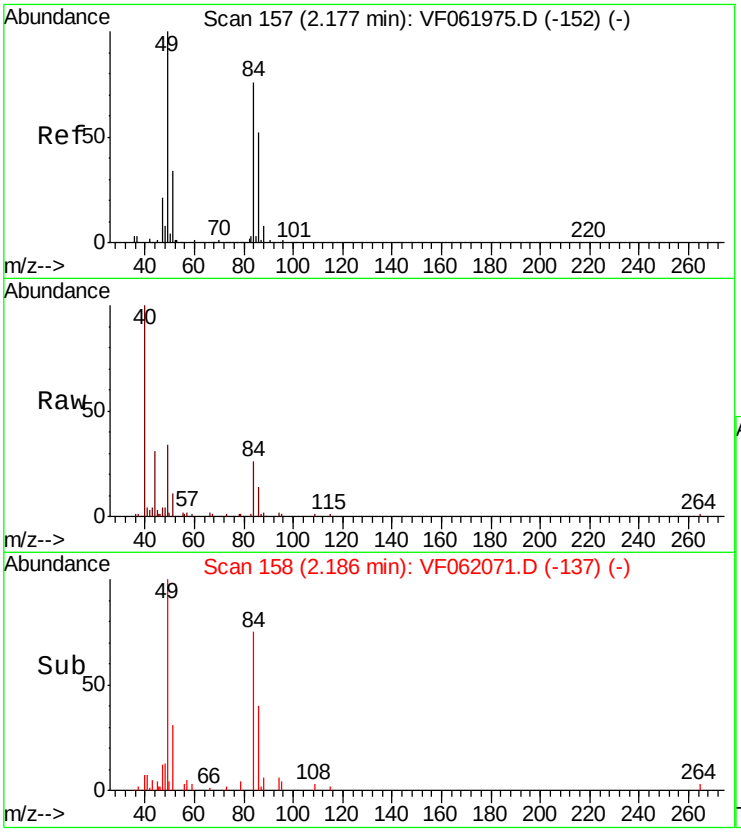




#18
Methyl Acetate
Concen: 1.325 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion: 43 Resp: 1190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 9.1 | 18.3 | 27.5# |



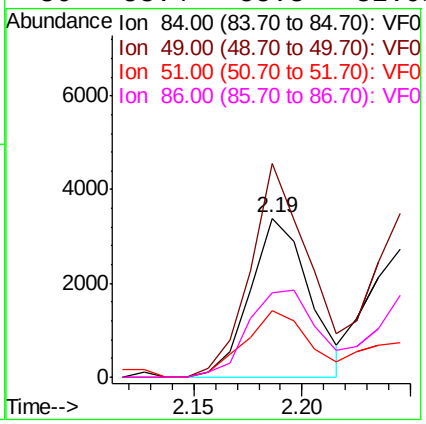


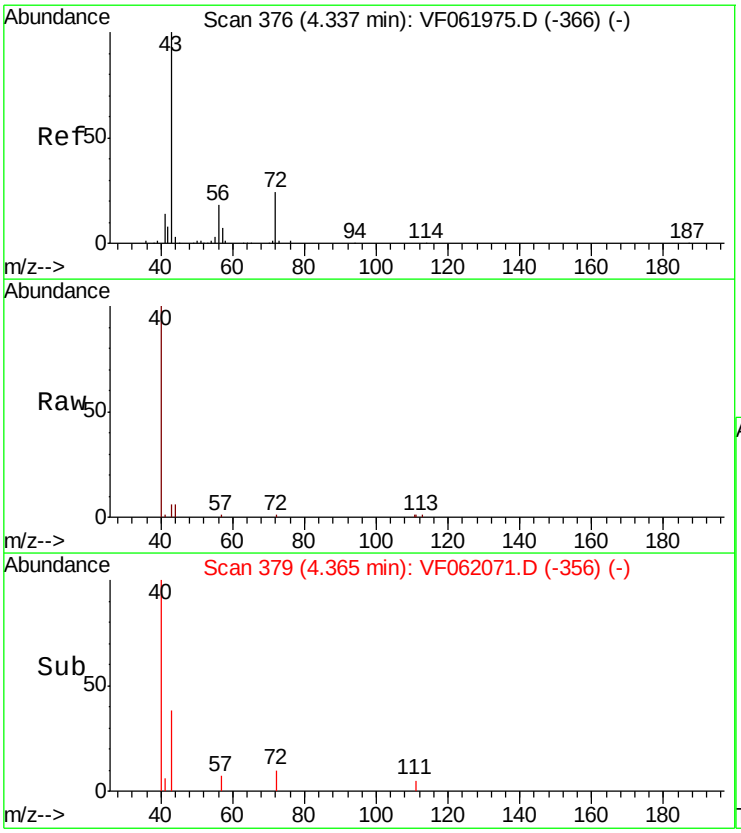

#20
Methylene Chloride
Concen: 3.124 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :** MSVOA_F
**ClientSampleId :** HD-02-032019

Tgt Ion: 84 Resp: 6460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 134.2 | 107.0 | 160.6 |
| 51 | 41.7 | 37.2 | 55.8 |
| 86 | 53.4 | 55.3 | 82.9# |

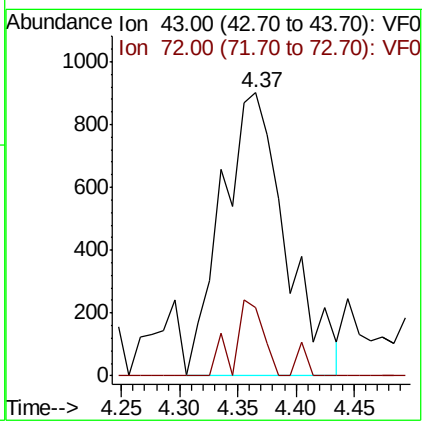


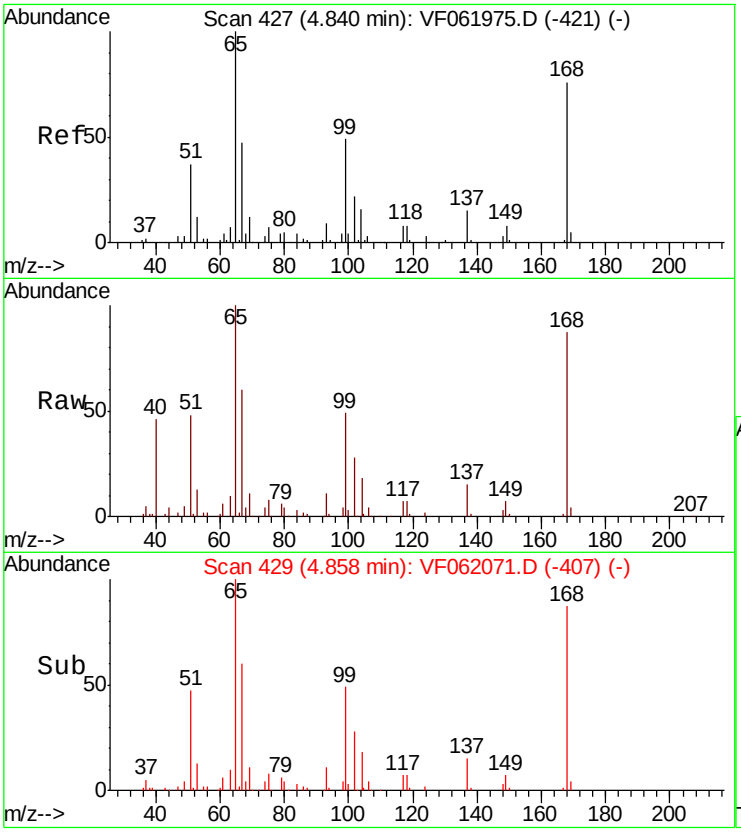




#25
2-Butanone
Concen: 4.406 ug/l
RT: 4.37 min Scan# 379
Delta R.T. 0.03 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion: 43 Resp: 3459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 19.8 | 29.6 |



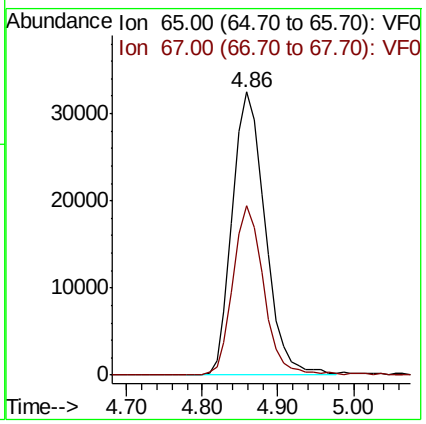


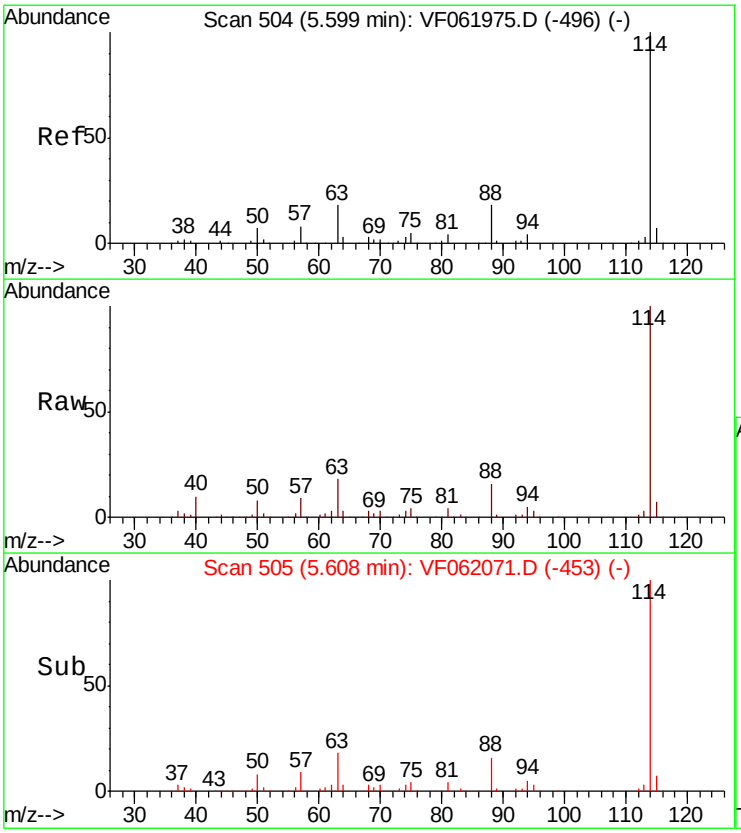

#33
1,2-Dichloroethane-d4
Concen: 55.524 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Tgt Ion: 65 Resp: 98012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 59.8 | 0.0 | 109.4 |

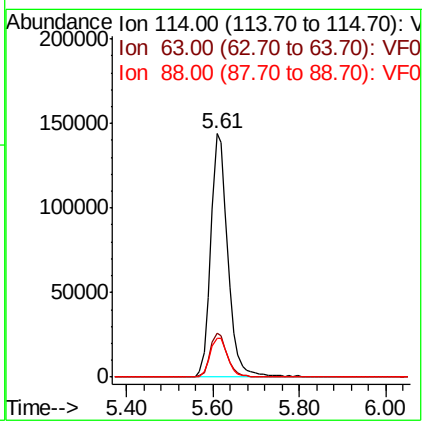


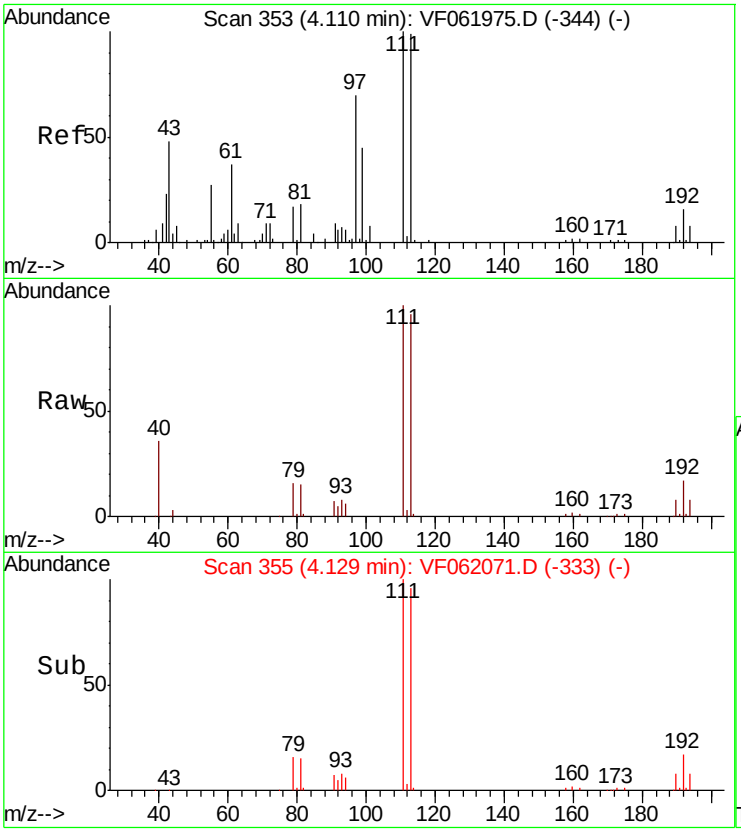




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.01 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion:114 Resp: 395756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.9 | 0.0 | 36.4 |
| 88 | 16.1 | 0.0 | 36.4 |



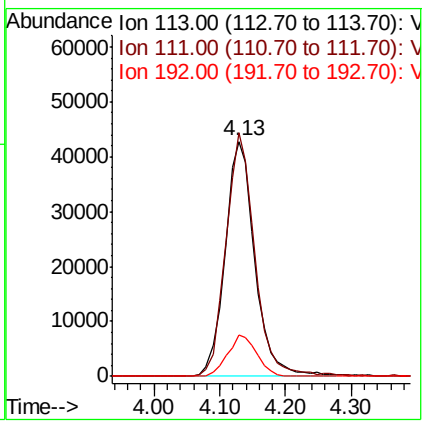


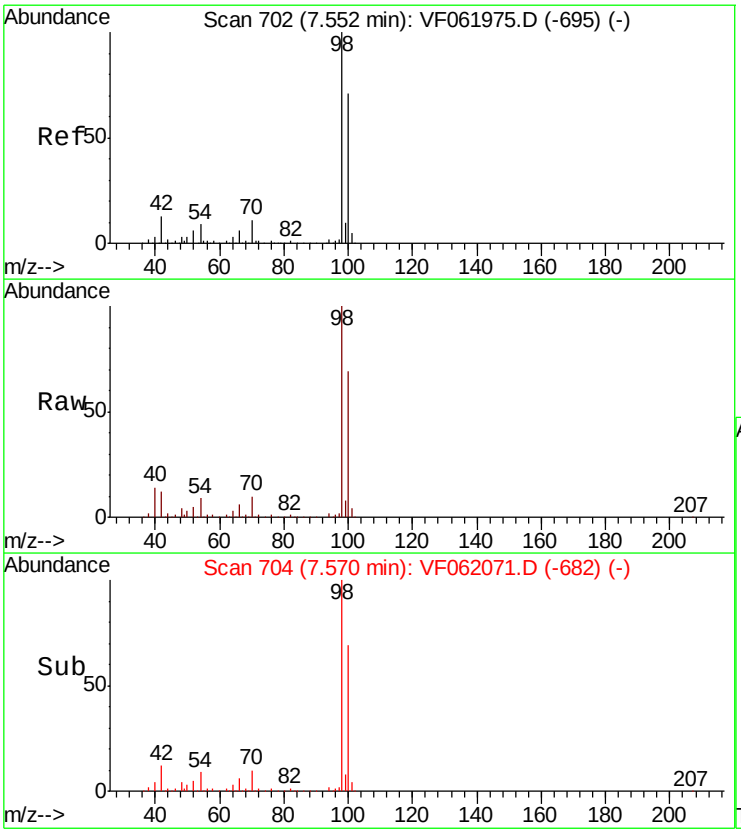

#35
Dibromofluoromethane
Concen: 50.891 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Tgt Ion:113 Resp: 135248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 80.8 | 121.2 |
| 192 | 17.7 | 13.0 | 19.6 |

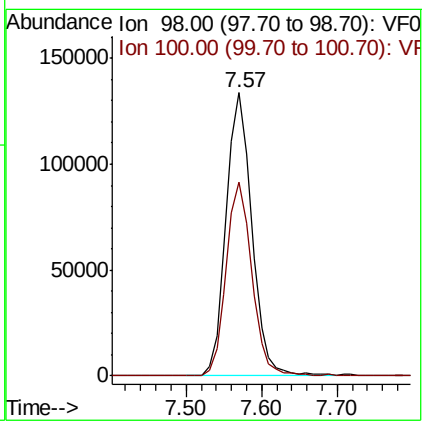


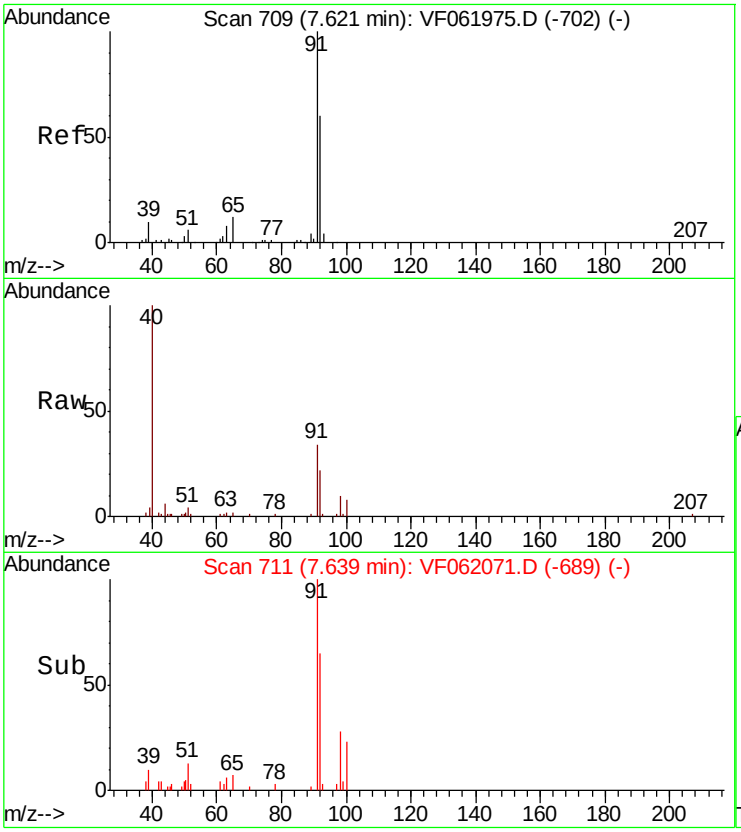




#50
Toluene-d8
Concen: 40.532 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion: 98 Resp: 314891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.6 | 56.8 | 85.2 |



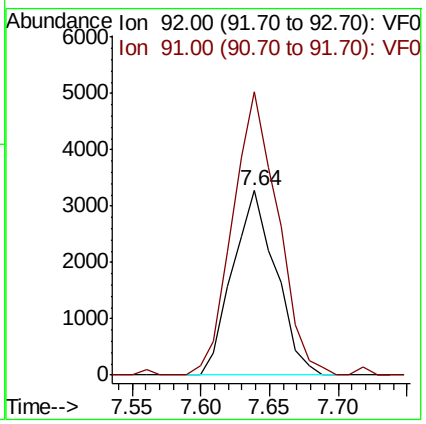


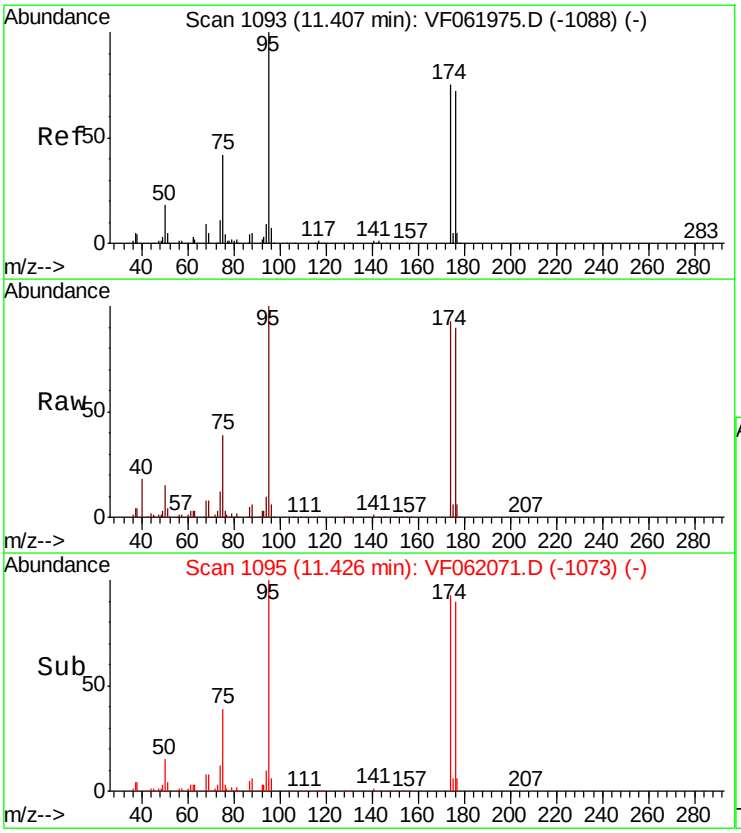

#52
Toluene
Concen: 1.243 ug/l
RT: 7.64 min Scan# 711
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Tgt Ion: 92 Resp: 7194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 153.6 | 134.0 | 201.0 |

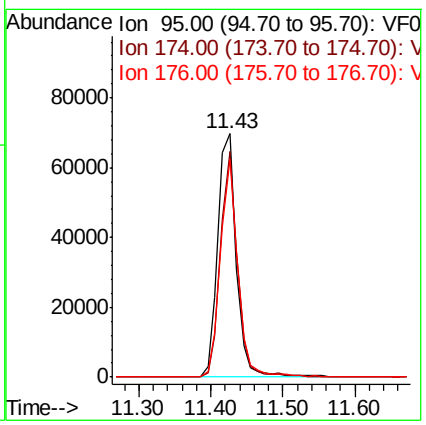


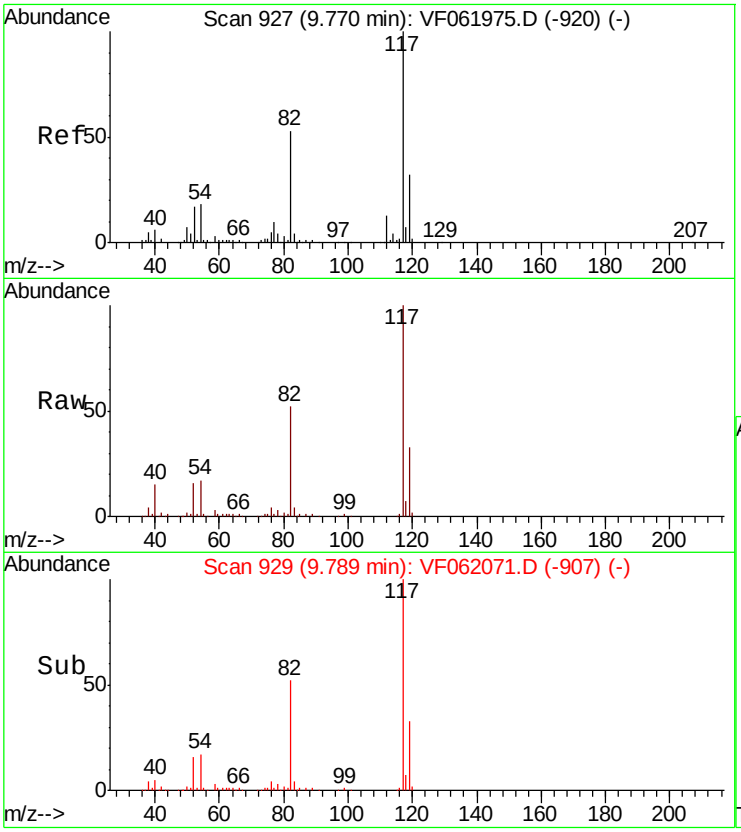




#62
4-Bromofluorobenzene
Concen: 40.393 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion: 95 Resp: 124665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 92.9 | 0.0 | 149.4 |
| 176 | 89.6 | 0.0 | 143.4 |



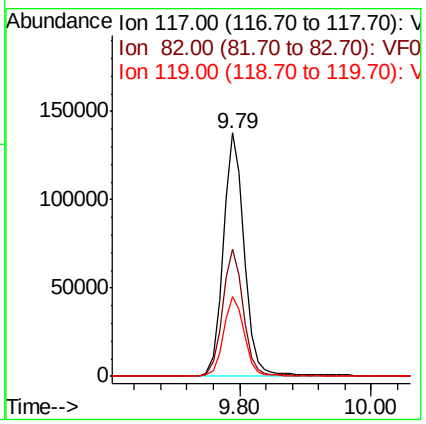


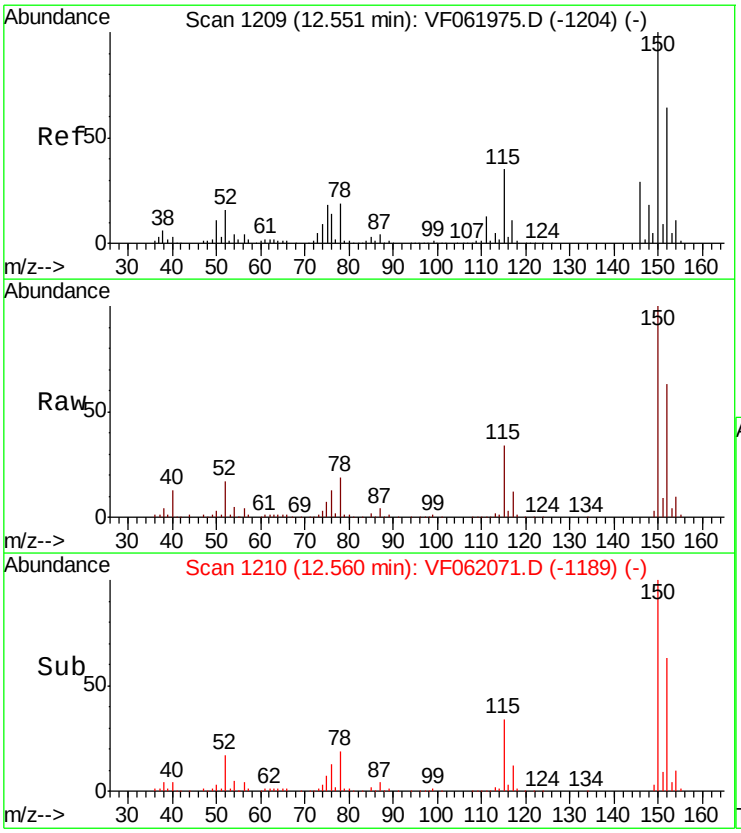

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

**Instrument :**
MSVOA_F
**ClientSampleId :**
HD-02-032019

Tgt Ion:117 Resp: 308471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.3 | 42.5 | 63.7 |
| 119 | 32.5 | 25.4 | 38.0 |




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF062071.D
Acq: 21 Mar 2019 20:16

Tgt Ion:152 Resp: 129945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.4 | 27.3 | 81.9 |
| 150 | 158.1 | 0.0 | 316.2 |