Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050819\
Data File : VF062383.D
Acq On : 8 May 2019 18:00
Operator : FY/SY
Sample : K2673-16
Misc : 5.08g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_F
**ClientSampleId :** SP-02-COMP

Quant Time: May 09 05:02:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.04 | 168 | 288483 | 50.00 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 5.77 | 114 | 384127 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 9.90 | 117 | 275086 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.61 | 152 | 112820 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.02 | 65 | 137987 | 50.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.22% | | | |
| 35) Dibromofluoromethane | 4.30 | 113 | 153745 | 50.24 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.48% | | | |
| 50) Toluene-d8 | 7.70 | 98 | 300471 | 40.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 81.12% | | | |
| 62) 4-Bromofluorobenzene | 11.48 | 95 | 111803 | 33.45 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 66.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.37 | 94 | 835 | Below Cal | # | 43 |
| 8) Diethyl Ether | 1.72 | 74 | 1807 | 2.621 | ug/l | 96 |
| 11) Tert butyl alcohol | 2.67 | 59 | 886 | 5.750 | ug/l # | 1 |
| 13) Acrolein | 2.11 | 56 | 278 | Below Cal | # | 1 |
| 15) Acrylonitrile | 3.11 | 53 | 411 | 1.408 | ug/l # | 36 |
| 16) Acetone | 2.39 | 43 | 2915 | 5.286 | ug/l # | 62 |
| 18) Methyl Acetate | 2.48 | 43 | 4959 | 1.919 | ug/l # | 75 |
| 20) Methylene Chloride | 2.33 | 84 | 28706 | 14.386 | ug/l | 97 |
| 25) 2-Butanone | 4.53 | 43 | 746 | 1.077 | ug/l # | 60 |
| 29) Tetrahydrofuran | 4.27 | 42 | 1022 | 3.209 | ug/l # | 36 |
| 37) Ethyl Acetate | 4.31 | 43 | 1251 | Below Cal | # | 87 |
| 38) Carbon Tetrachloride | 4.22 | 117 | 60 | Below Cal | # | 14 |
| 39) Methylcyclohexane | 5.76 | 83 | 5442 | 1.644 | ug/l # | 41 |
| 49) 1,4-Dioxane | 6.88 | 88 | 95 | Below Cal | # | 1 |
| 59) 2-Hexanone | 9.62 | 43 | 1973 | 2.508 | ug/l | 82 |
| 81) trans-1,4-Dichloro-2-buten | 11.98 | 75 | 541 | 1.801 | ug/l # | 45 |

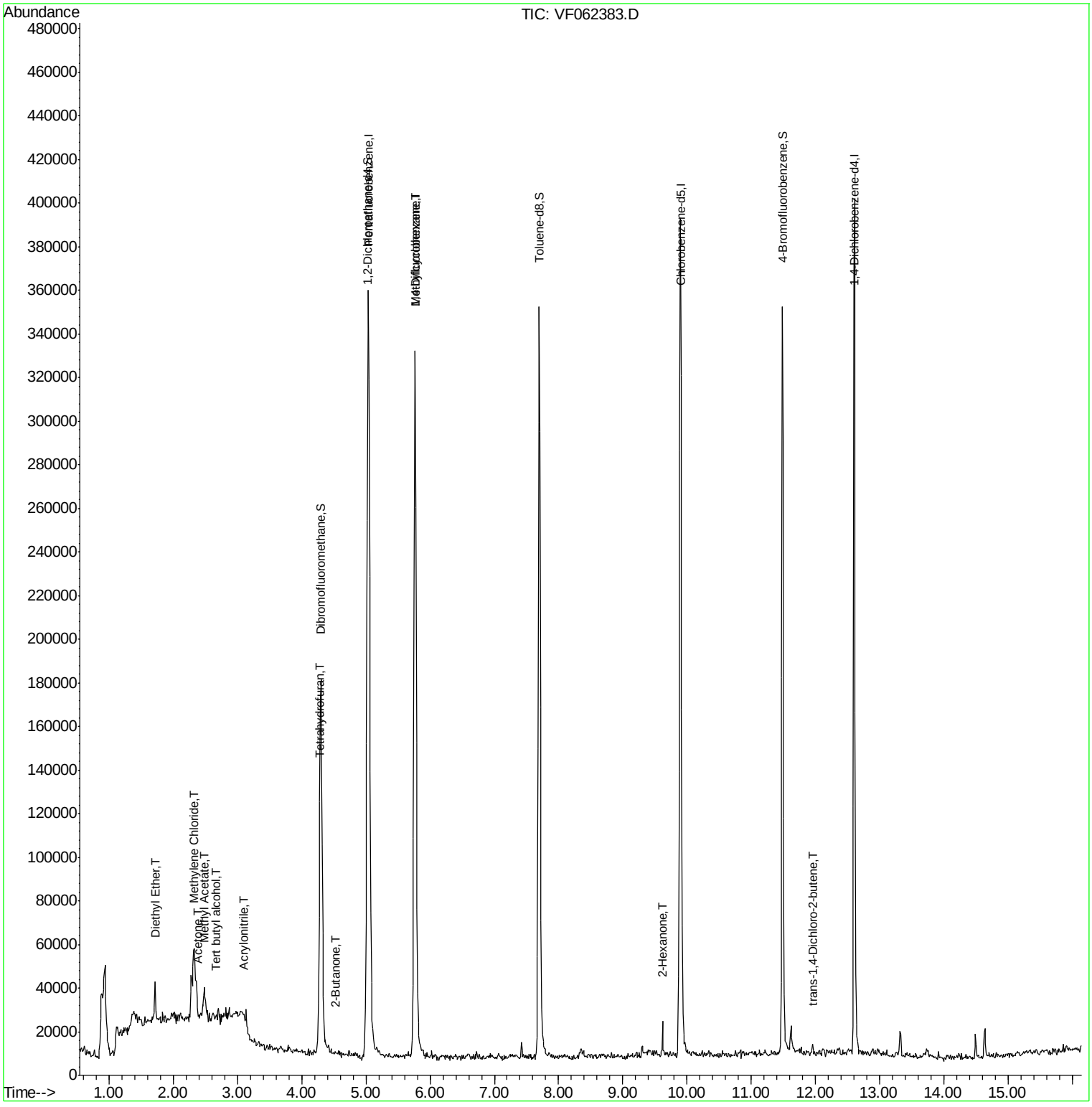
(#) = qualifier out of range (m) = manual integration (+) = signals summed

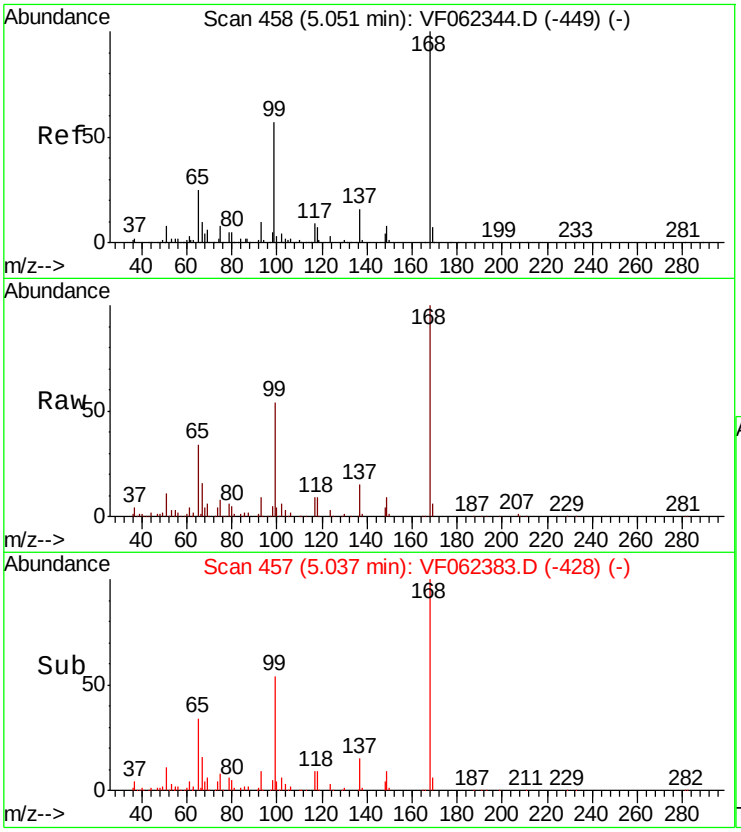
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF050819\
Data File : VF062383.D
Acq On : 8 May 2019 18:00
Operator : FY/SY
Sample : K2673-16
Misc : 5.08g/5mL/MSVOA_F/SOIL
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Quant Time: May 09 05:02:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration



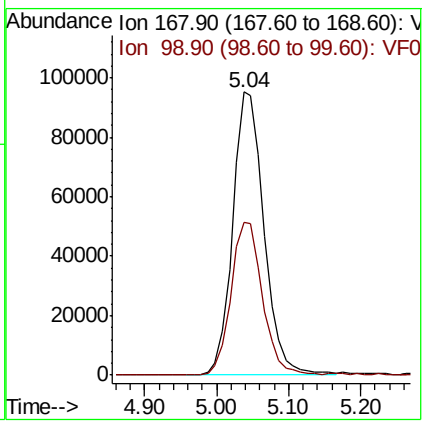


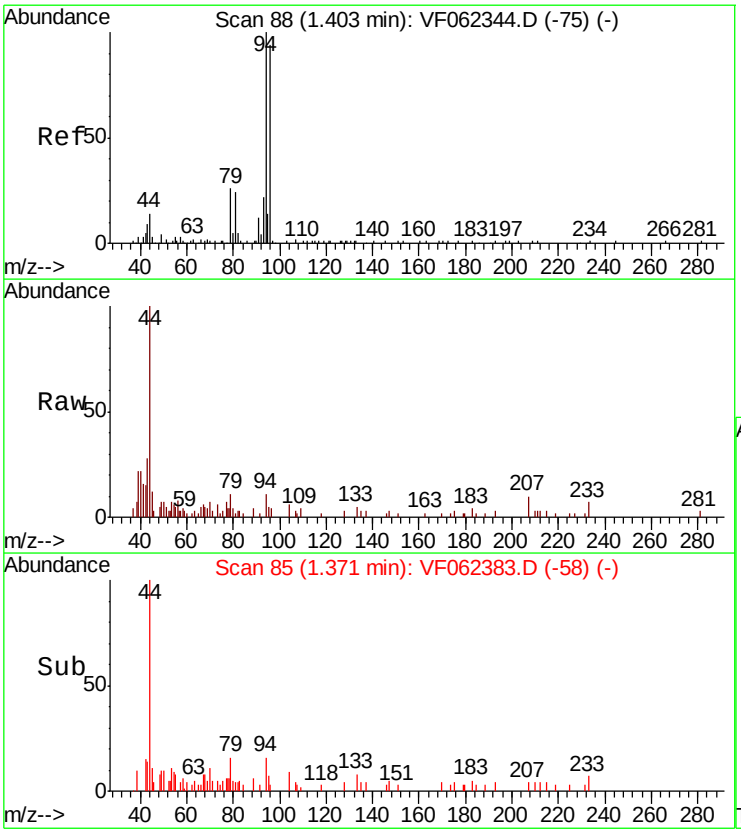

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion:168 Resp: 288483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.9 | 45.9 | 68.9 |

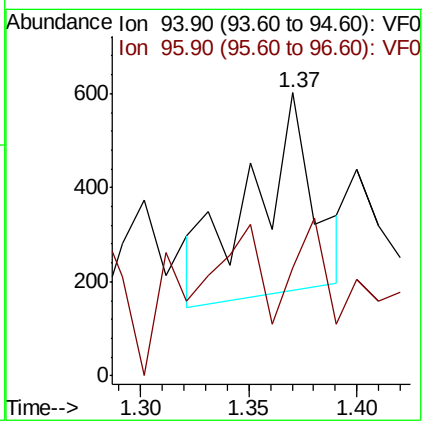


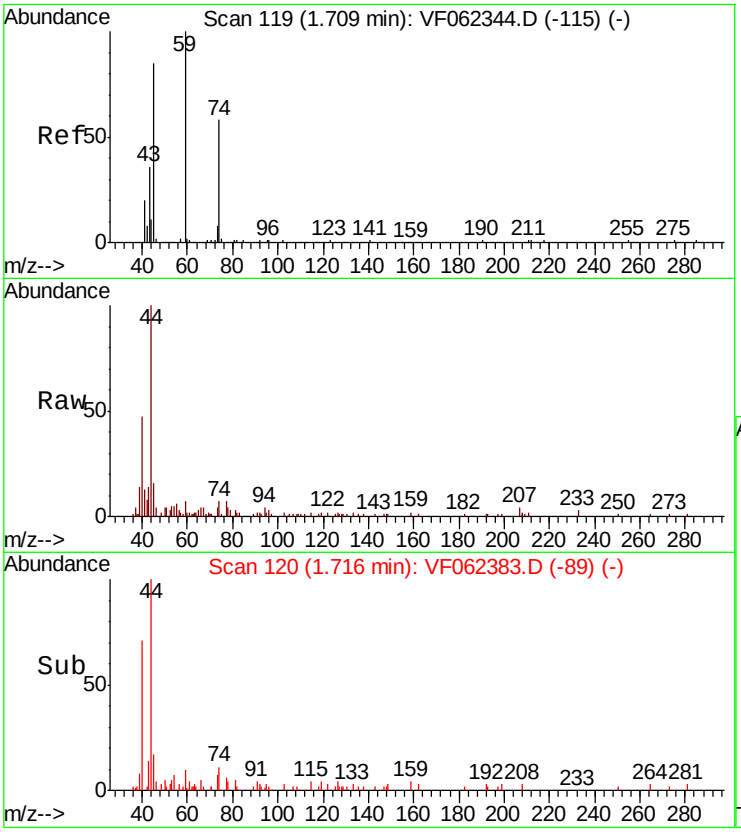




#5
Bromomethane
Concen: Below Cal
RT: 1.37 min Scan# 85
Delta R.T. -0.03 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 94 Resp: 835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 39.0 | 75.4 | 113.2# |



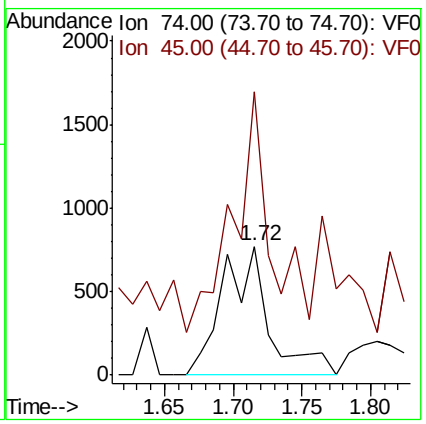


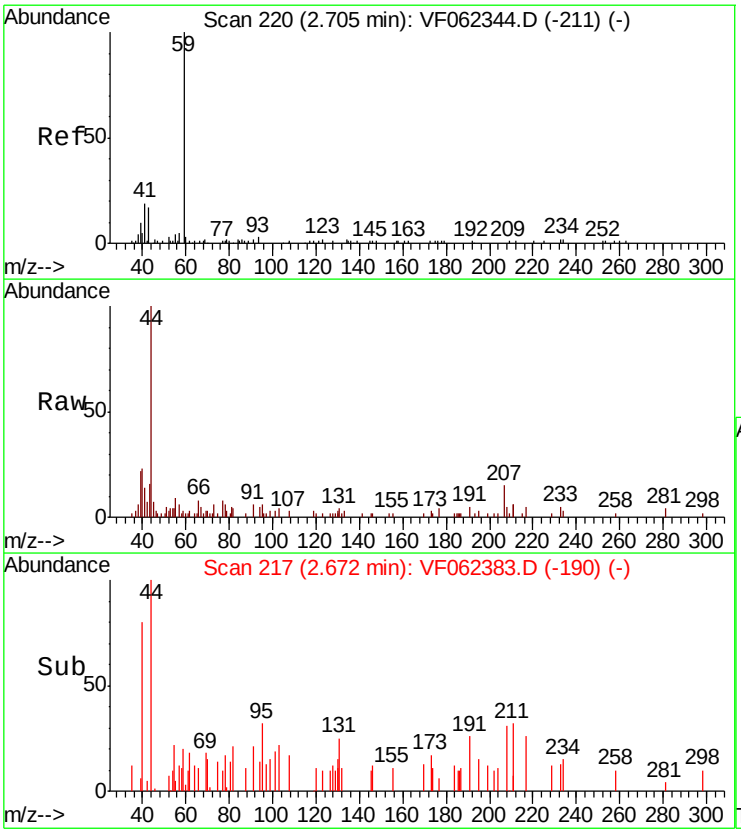

#8
Diethyl Ether
Concen: 2.621 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 74 Resp: 1807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 142.9 | 73.9 | 221.6 |

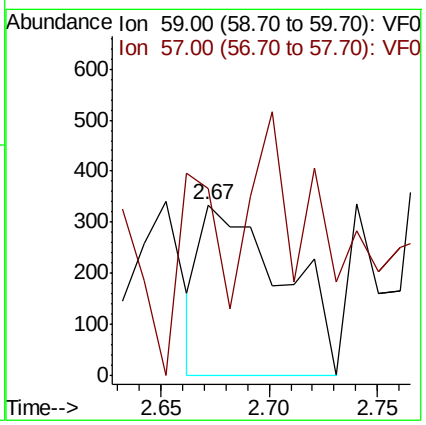


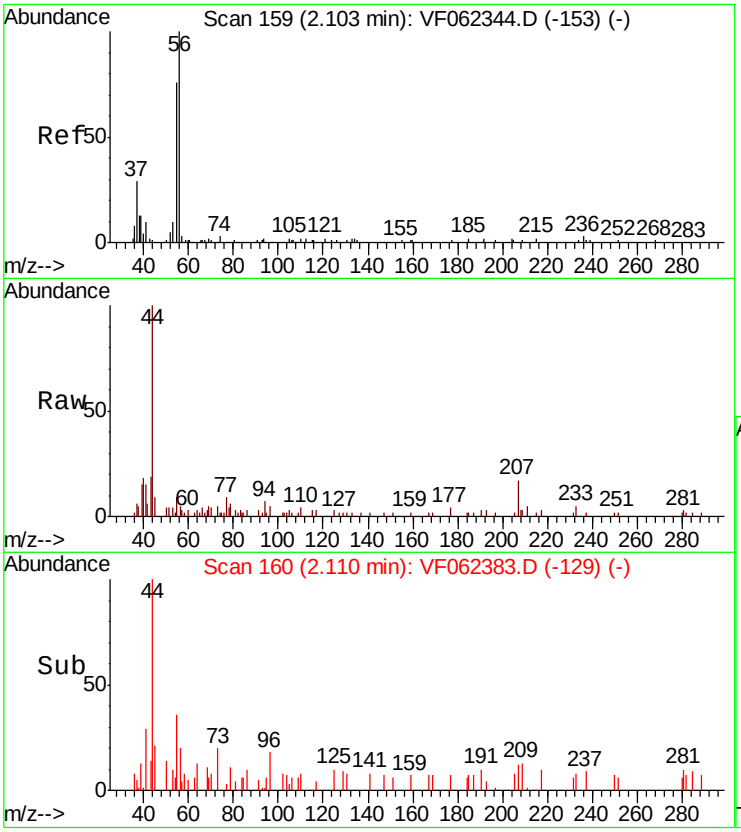




#11
Tert butyl alcohol
Concen: 5.750 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.03 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 59 Resp: 886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 59.5 | 9.3 | 13.9# |



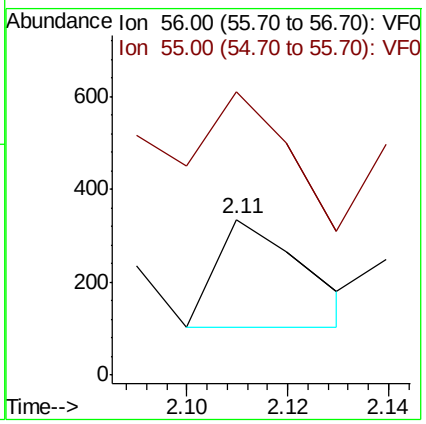


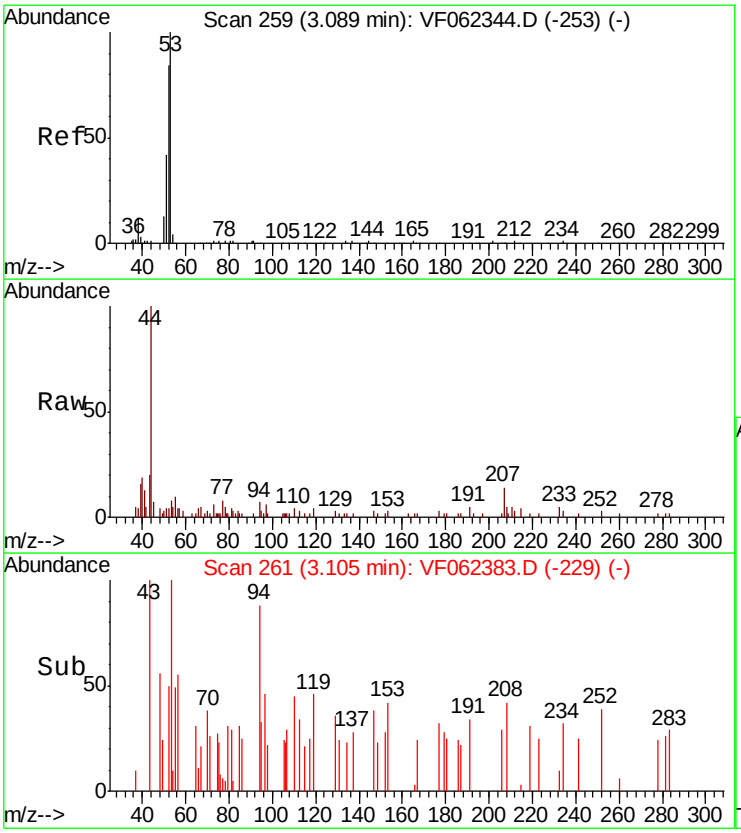

#13
Acrolein
Concen: Below Cal
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 56 Resp: 278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 178.1 | 58.4 | 87.6# |

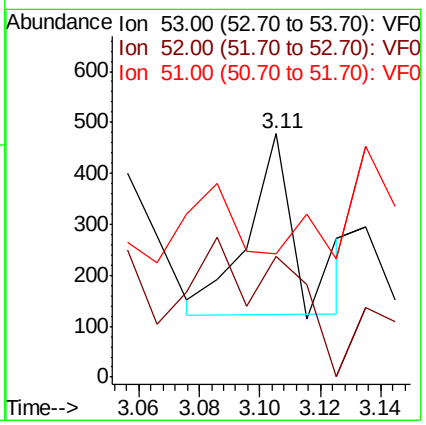


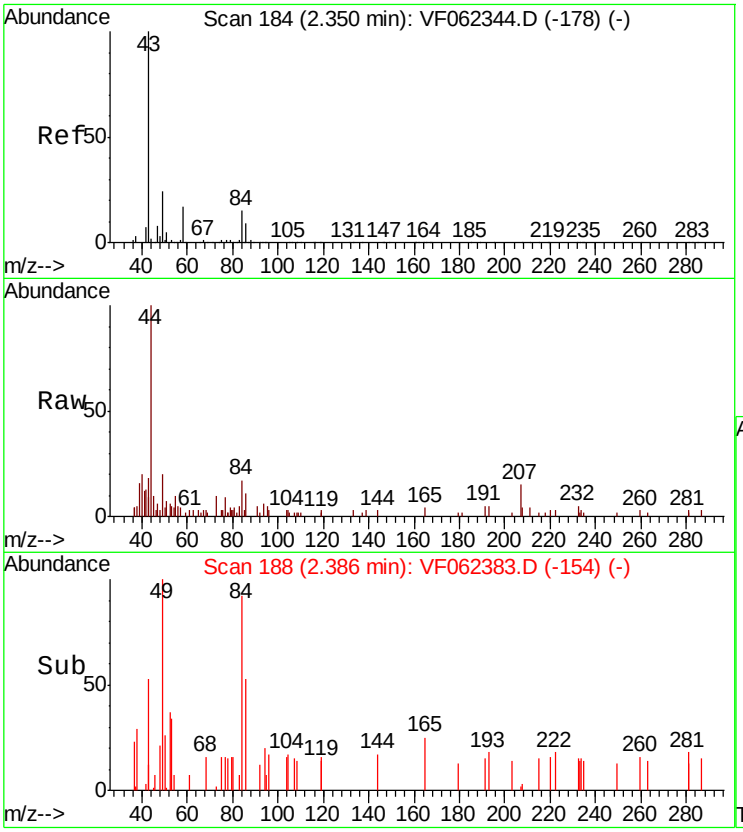




#15
Acrylonitrile
Concen: 1.408 ug/l
RT: 3.11 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 53 Resp: 411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 144.3 | 77.2 | 115.8# |
| 51 | 115.3 | 40.6 | 61.0# |



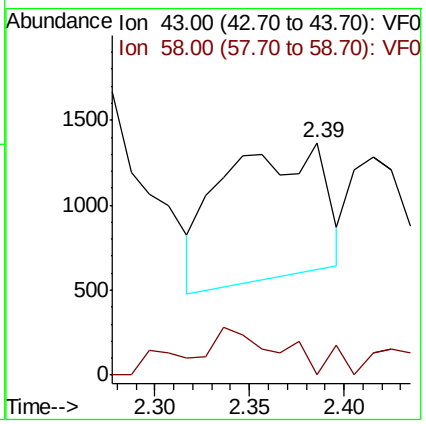


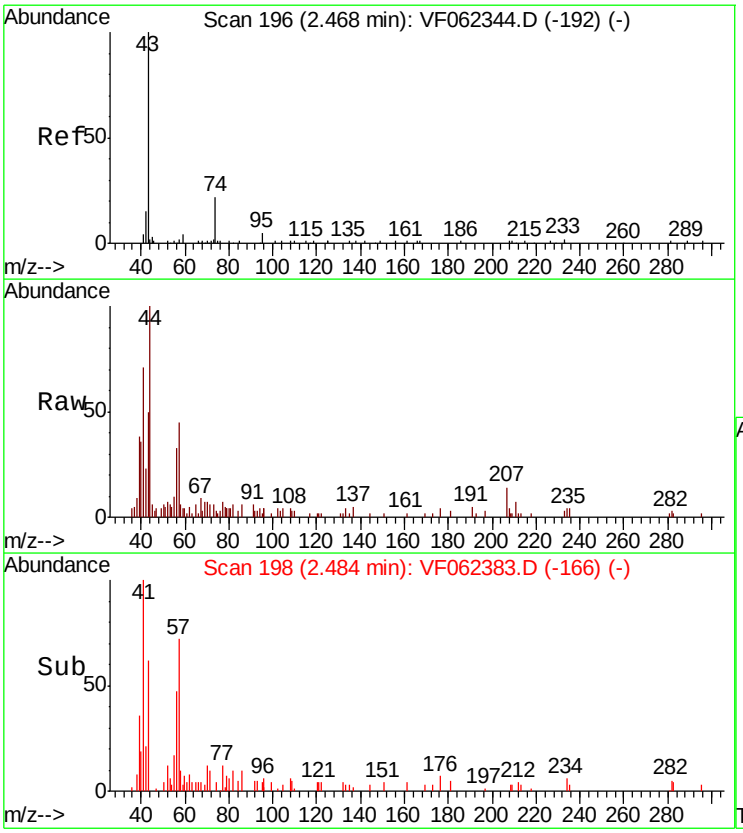

#16
Acetone
Concen: 5.286 ug/l
RT: 2.39 min Scan# 188
Delta R.T. 0.04 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 43 Resp: 2915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 13.1 | 19.7# |

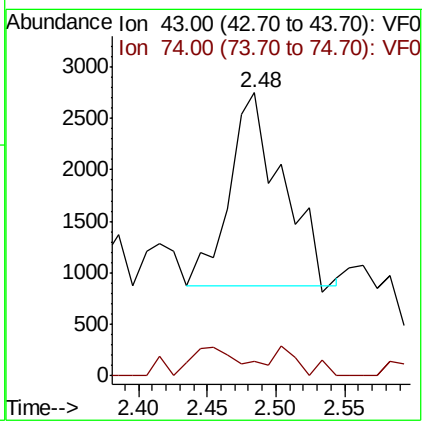


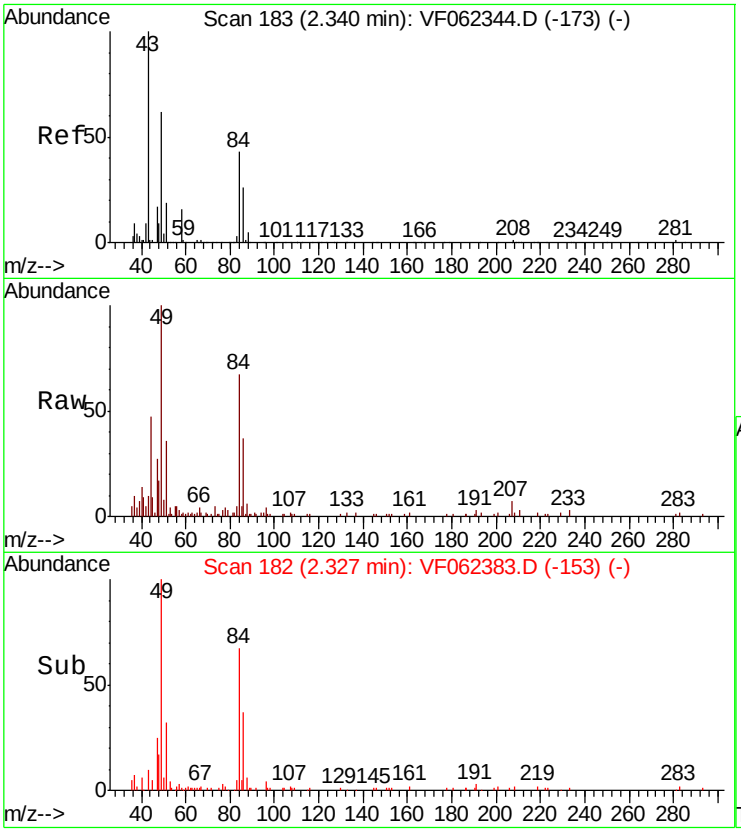




#18
Methyl Acetate
Concen: 1.919 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 43 Resp: 4959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 7.5 | 15.0 | 22.4# |



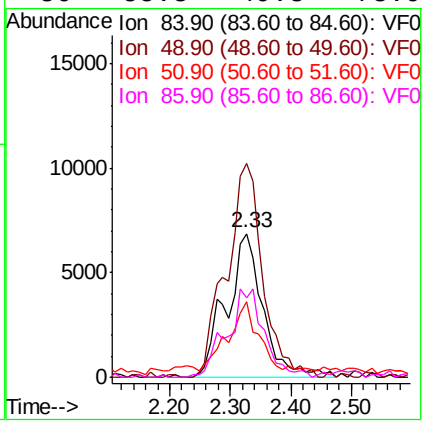


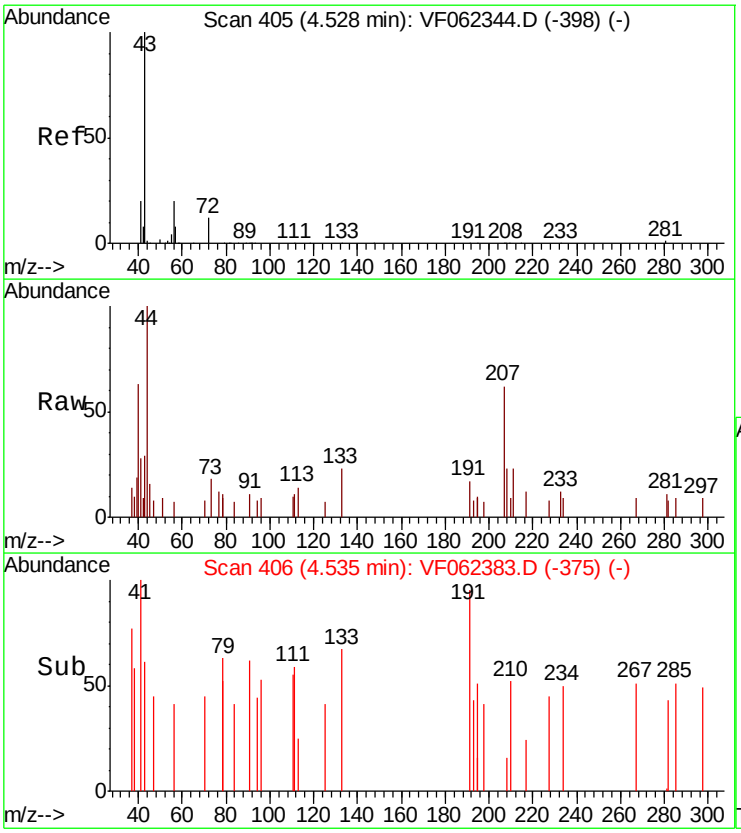

#20
Methylene Chloride
Concen: 14.386 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :** MSVOA_F
**ClientSampleId :** SP-02-COMP

Tgt Ion: 84 Resp: 28706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 148.7 | 117.5 | 176.3 |
| 51 | 46.6 | 37.0 | 55.4 |
| 86 | 55.3 | 49.3 | 73.9 |

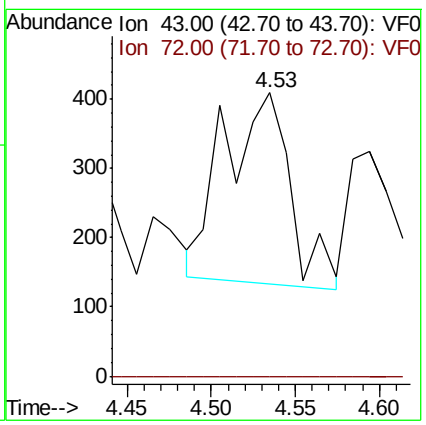


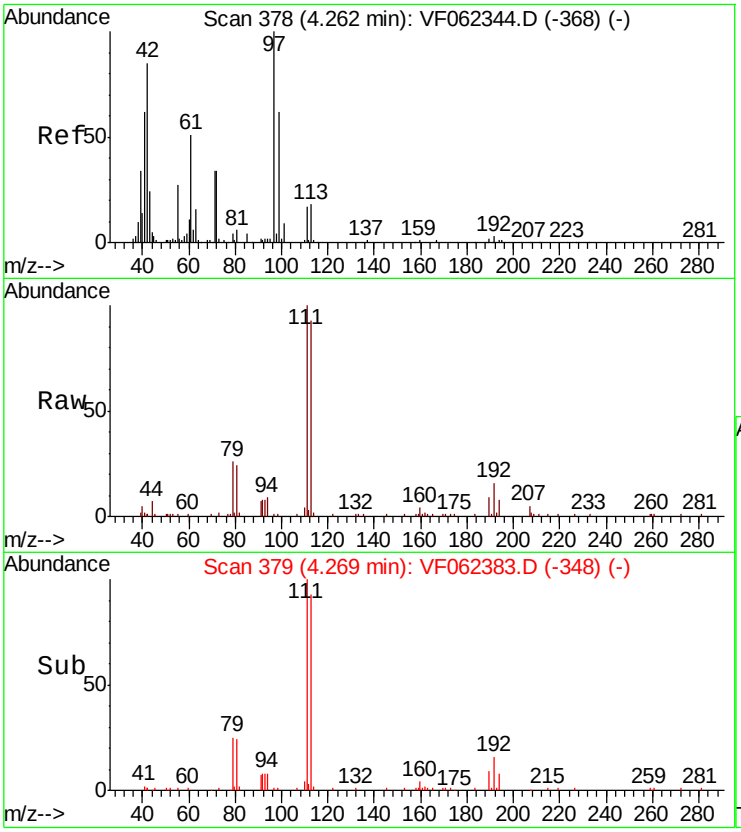




#25
2-Butanone
Concen: 1.077 ug/l
RT: 4.53 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 43 Resp: 746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 14.2 | 21.4# |



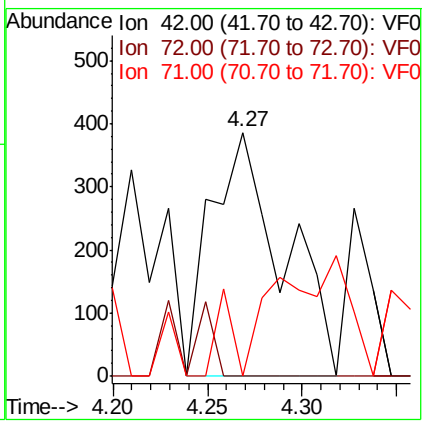


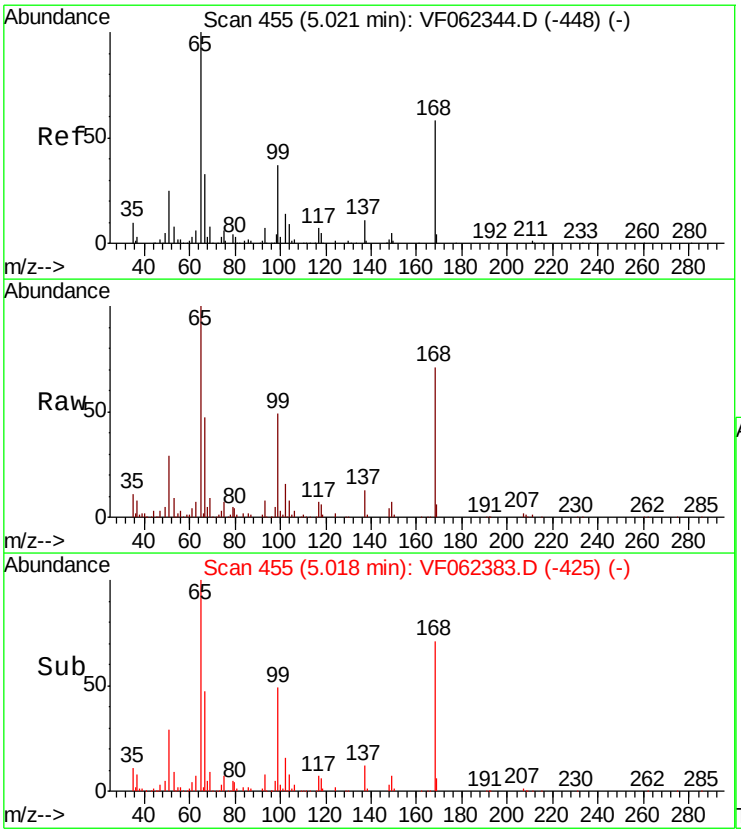

#29
Tetrahydrofuran
Concen: 3.209 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 42 Resp: 1022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 31.4 | 47.0# |
| 71 | 0.0 | 31.7 | 47.5# |

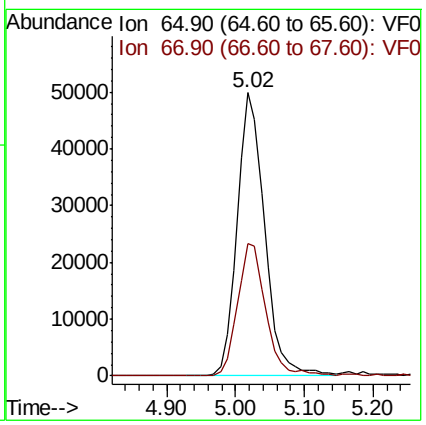


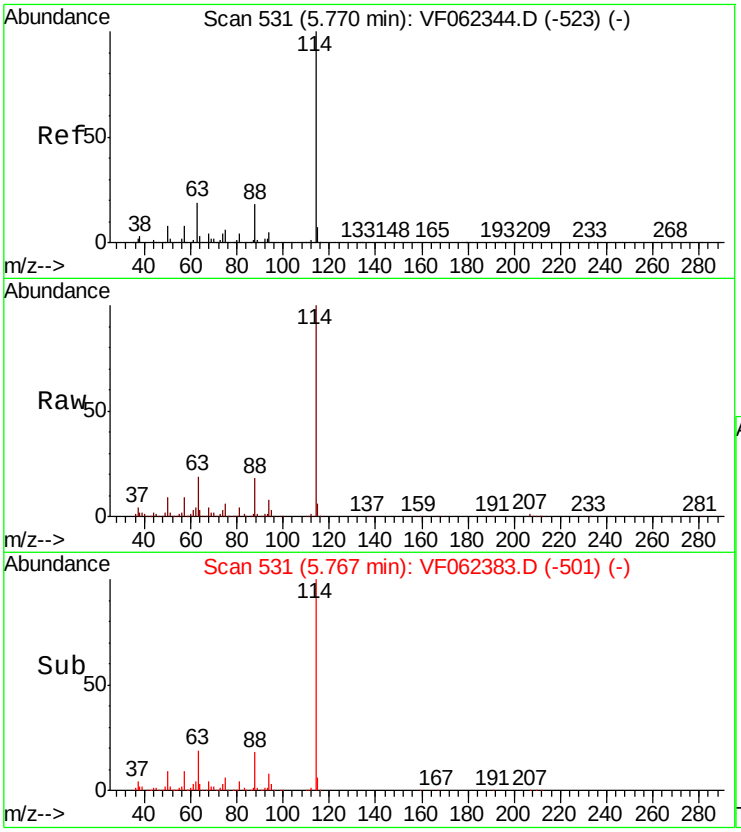




#33
1,2-Dichloroethane-d4
Concen: 50.614 ug/l
RT: 5.02 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 65 Resp: 137987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 48.1 | 0.0 | 85.8 |



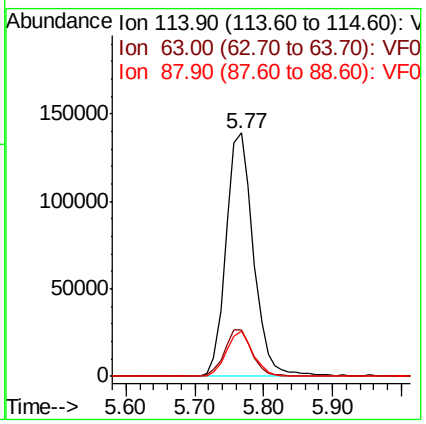


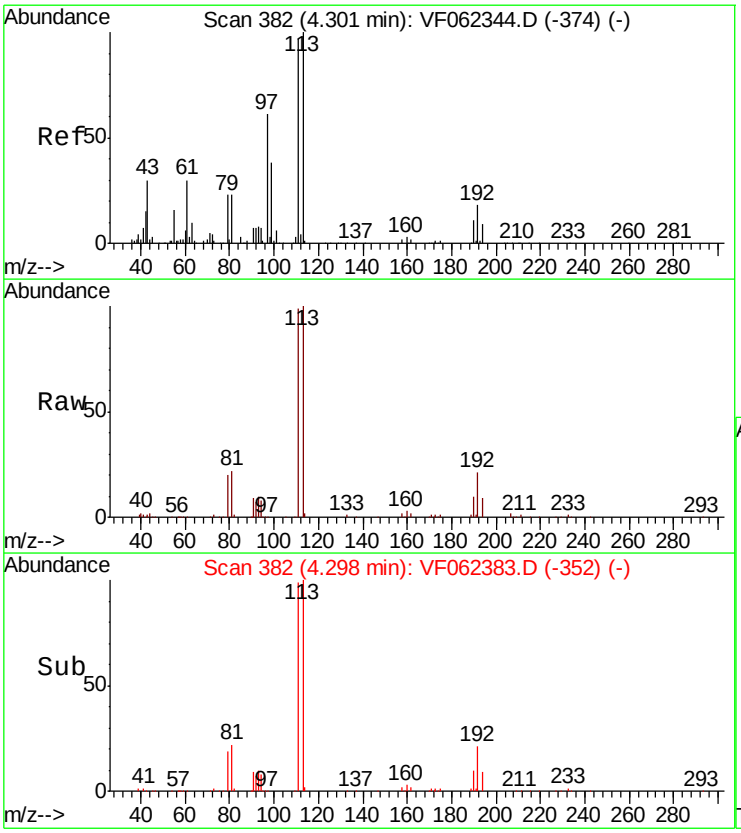

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.77 min Scan# 531
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion:114 Resp: 384127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 37.4 |
| 88 | 18.3 | 0.0 | 36.4 |

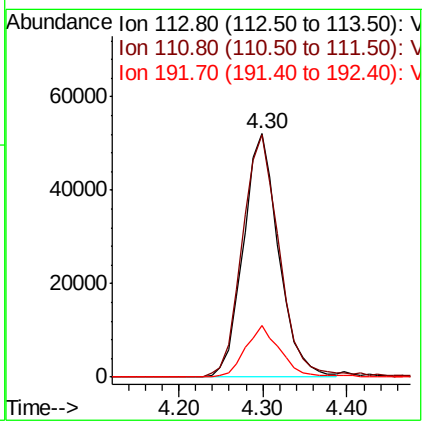


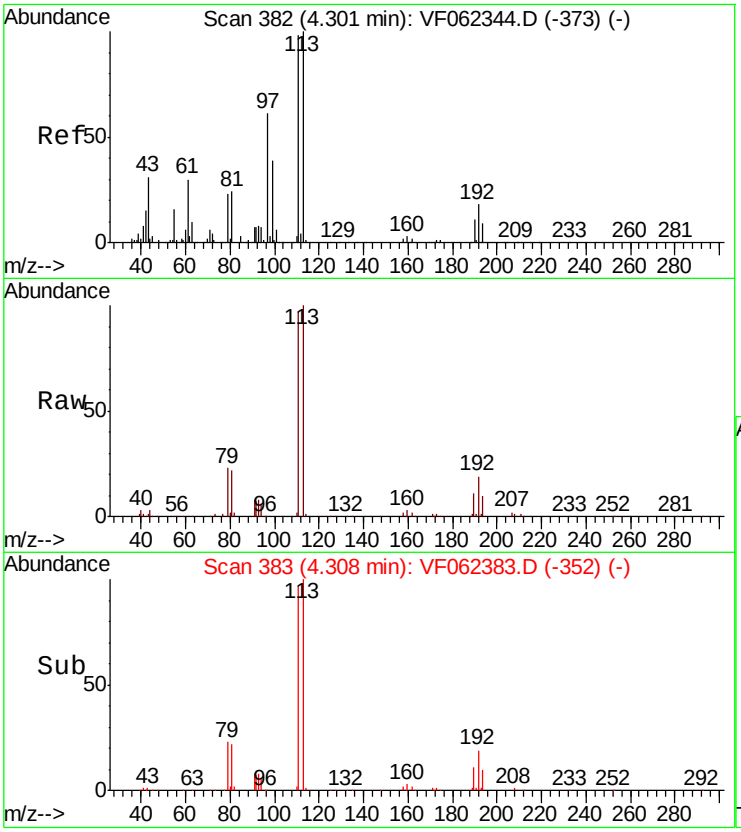




#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion:113 Resp: 153745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.5 | 79.4 | 119.0 |
| 192 | 20.6 | 16.0 | 24.0 |



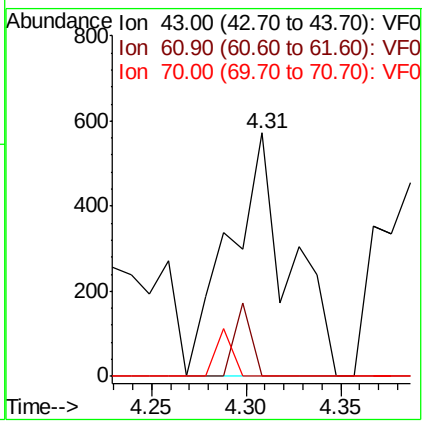


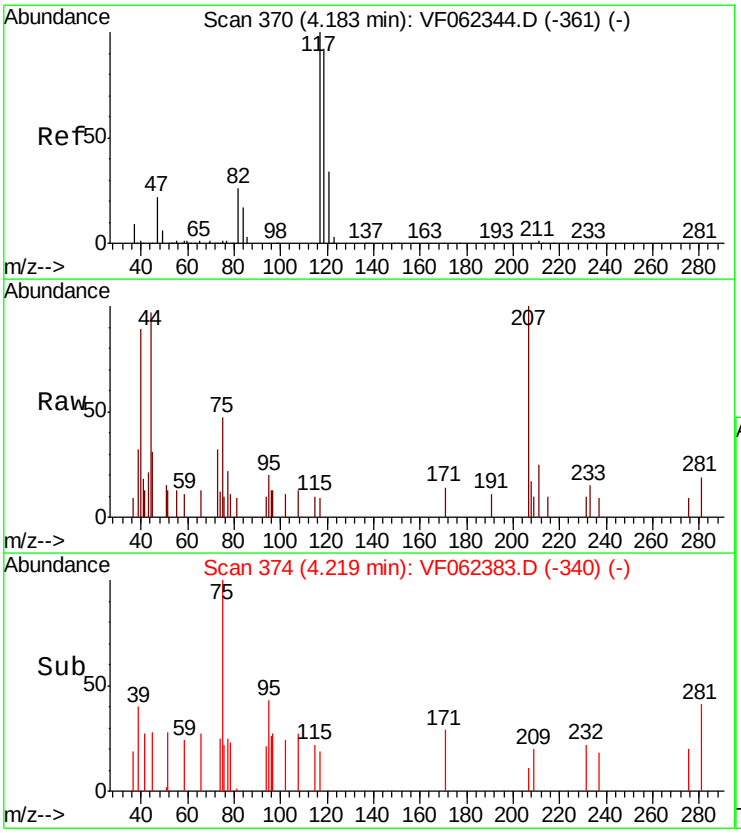

#37
Ethyl Acetate
Concen: Below Cal
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :** MSVOA_F
**ClientSampleId :** SP-02-COMP

Tgt Ion: 43 Resp: 1251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 8.2 | 0.0 | 0.0# |
| 70 | 5.3 | 8.2 | 12.2# |

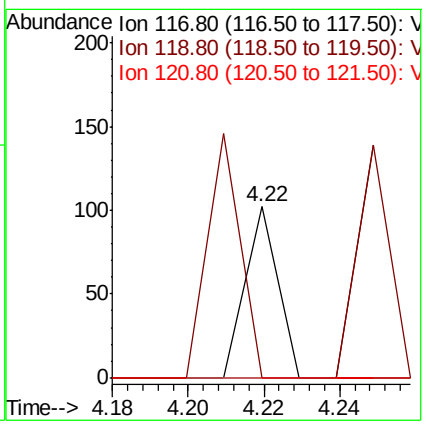


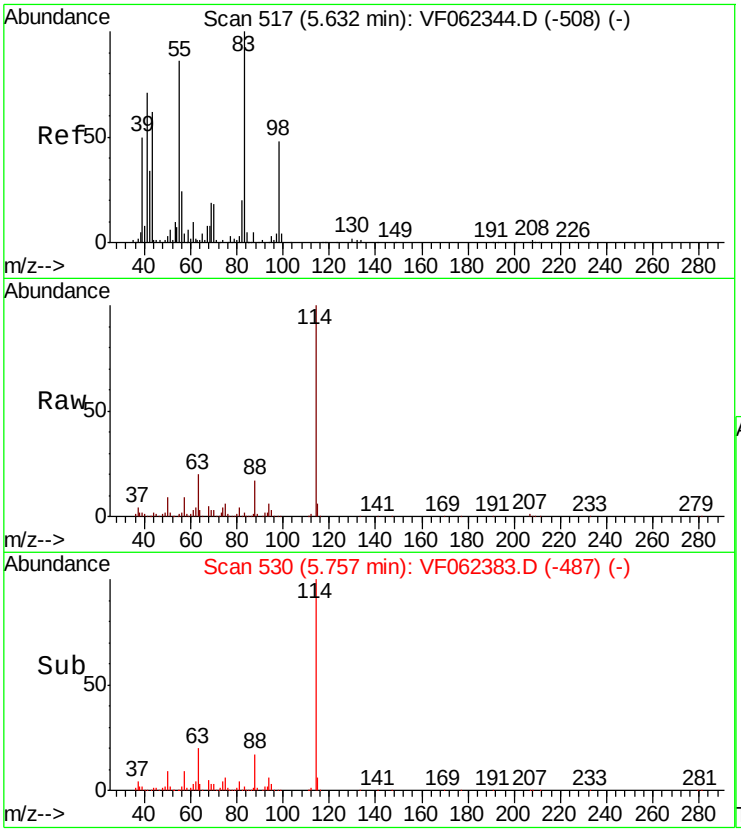




#38
Carbon Tetrachloride
Concen: Below Cal
RT: 4.22 min Scan# 374
Delta R.T. 0.04 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion:117 Resp: 60

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 73.4 | 110.2# |
| 121 | 0.0 | 27.4 | 41.0# |



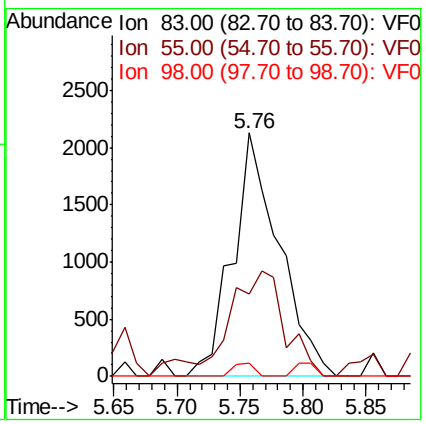


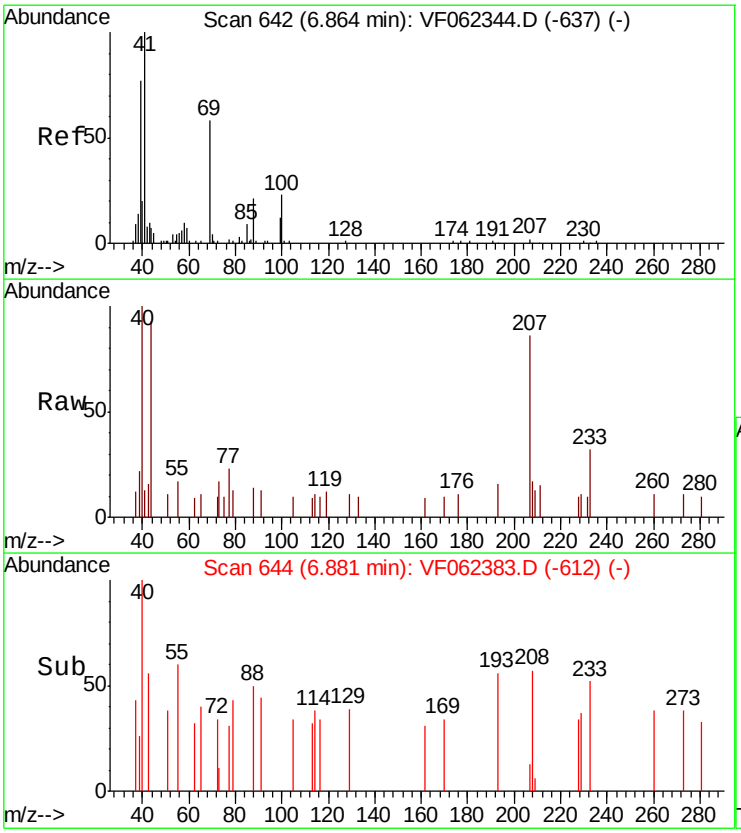

#39
Methylcyclohexane
Concen: 1.644 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 83 Resp: 5442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 33.7 | 69.0 | 103.6# |
| 98 | 5.6 | 38.6 | 58.0# |

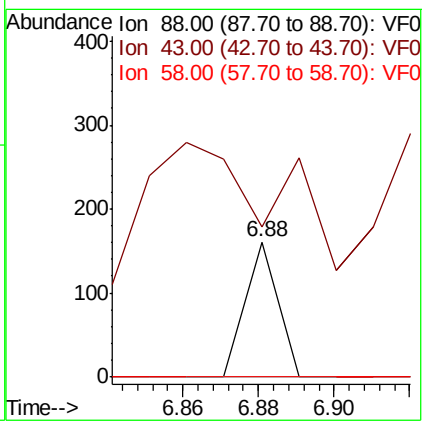


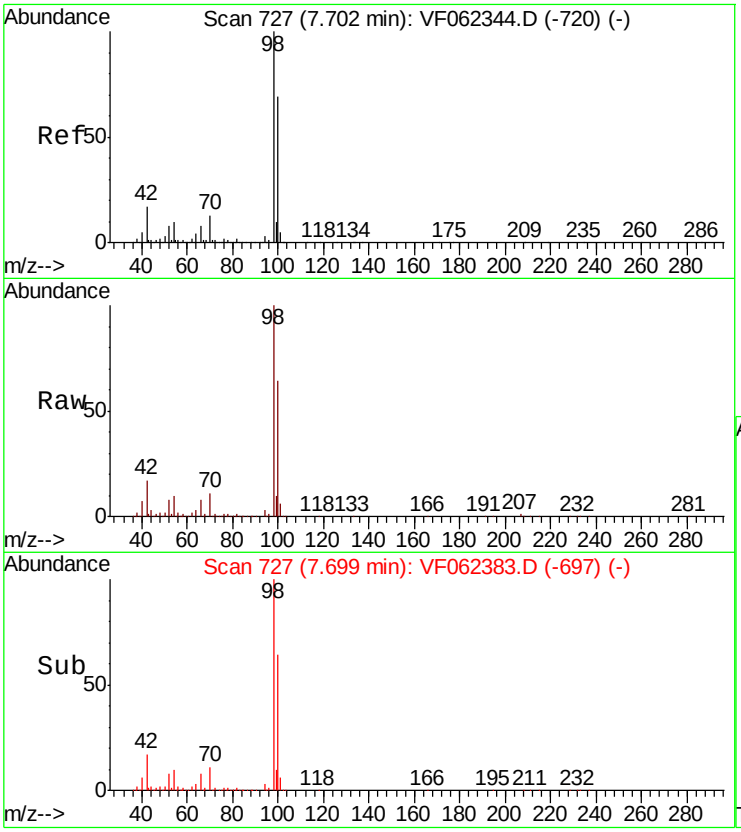




#49
1,4-Dioxane
Concen: Below Cal
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 88 Resp: 95

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 489.5 | 55.6 | 83.4# |
| 58 | 0.0 | 52.8 | 79.2# |



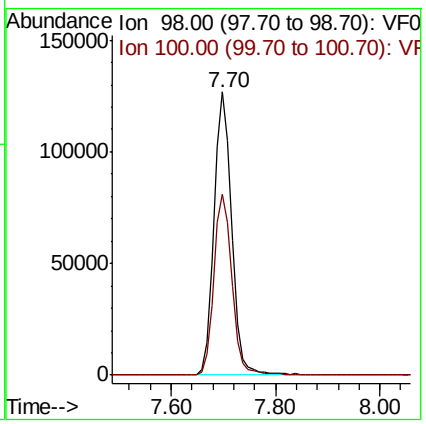


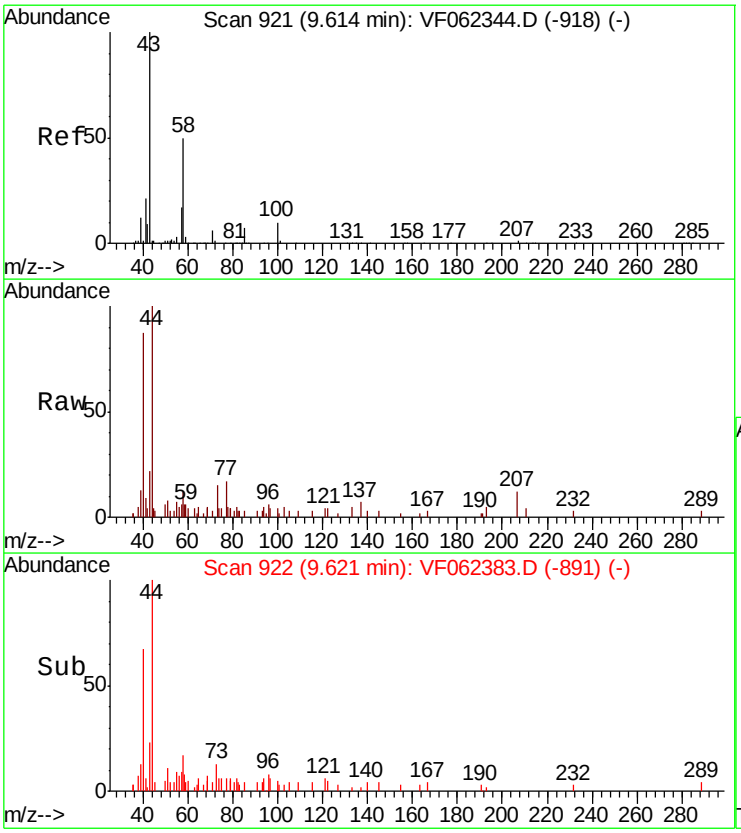

#50
Toluene-d8
Concen: 40.561 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 98 Resp: 300471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.9 | 53.3 | 79.9 |

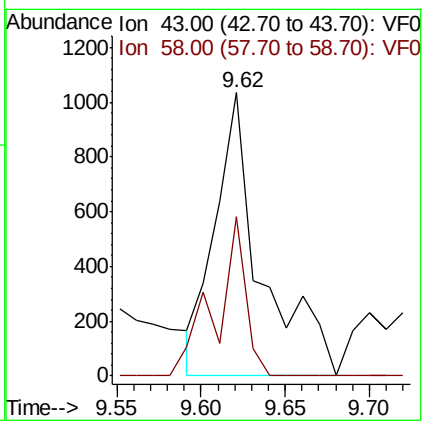


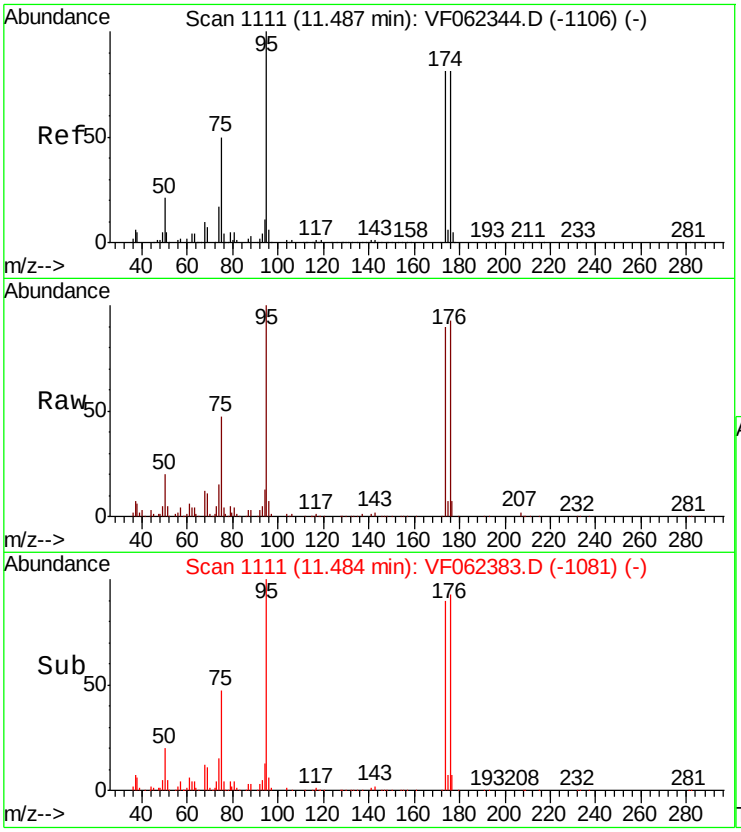




#59
2-Hexanone
Concen: 2.508 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 43 Resp: 1973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.3 | 24.3 | 73.0 |



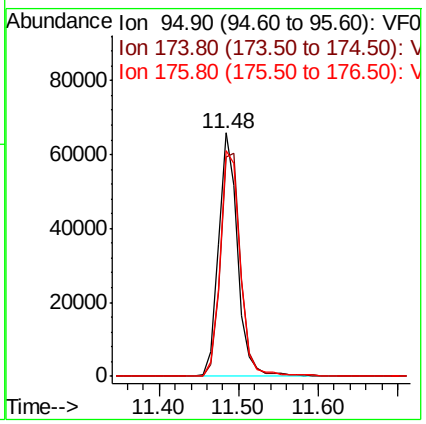


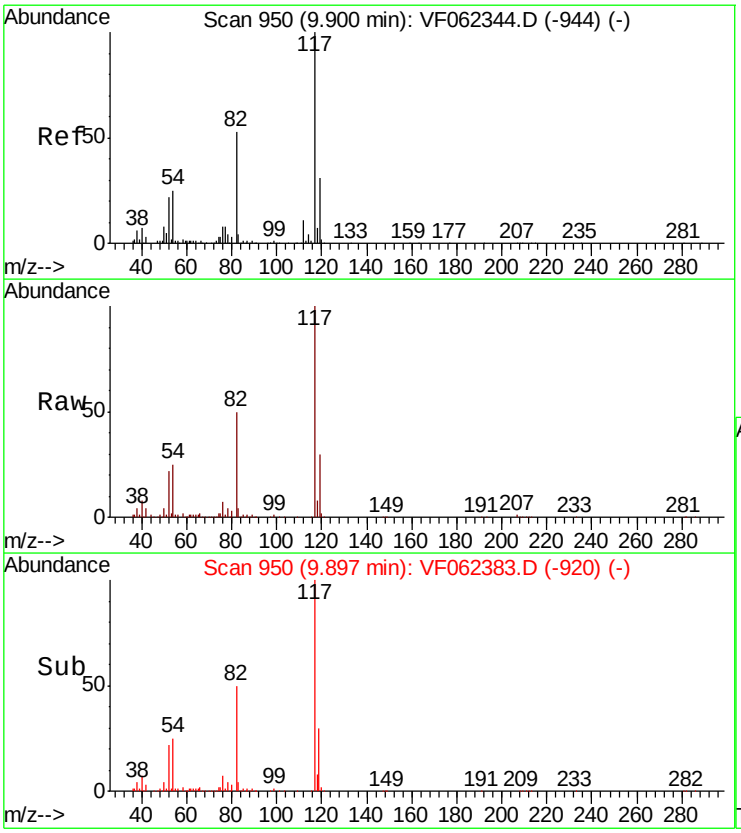

#62
4-Bromofluorobenzene
Concen: 33.452 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion: 95 Resp: 111803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 97.8 | 0.0 | 191.8 |
| 176 | 98.1 | 0.0 | 193.2 |

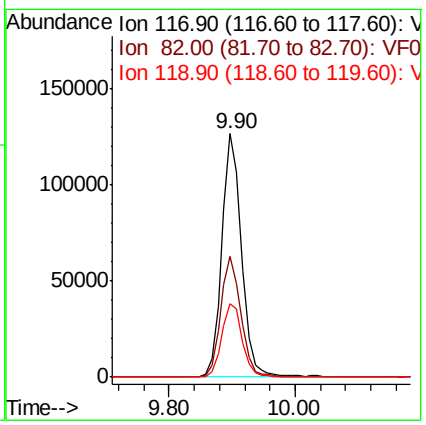


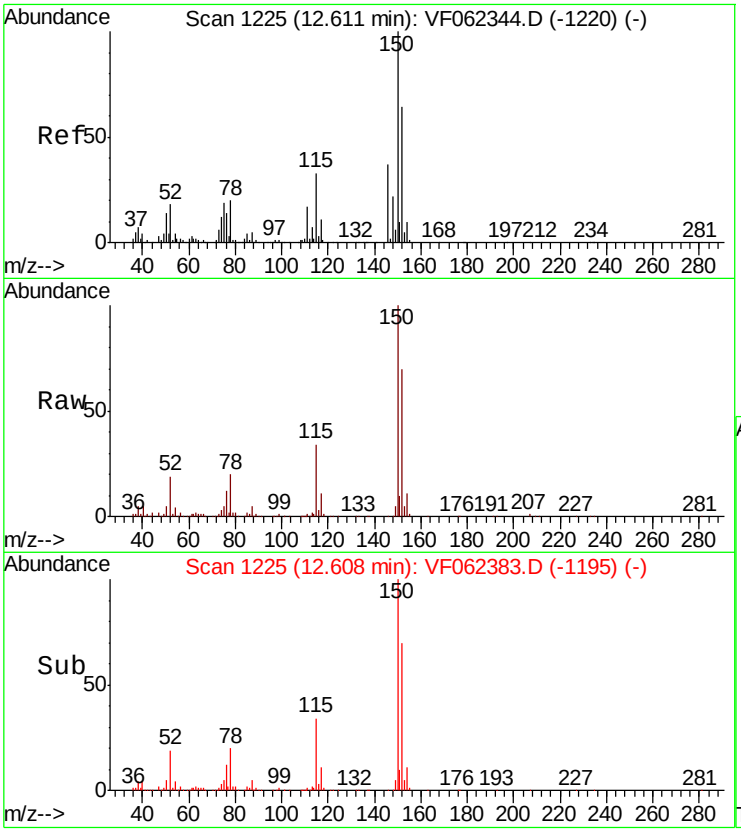




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion:117 Resp: 275086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.8 | 42.2 | 63.2 |
| 119 | 30.1 | 25.0 | 37.4 |



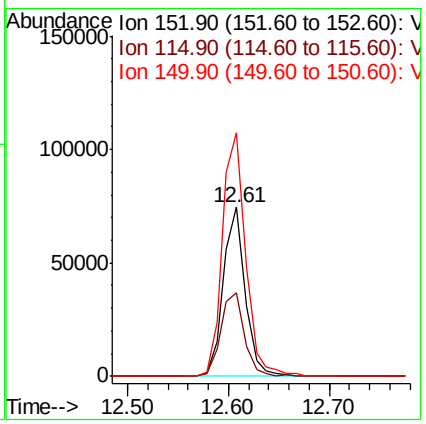


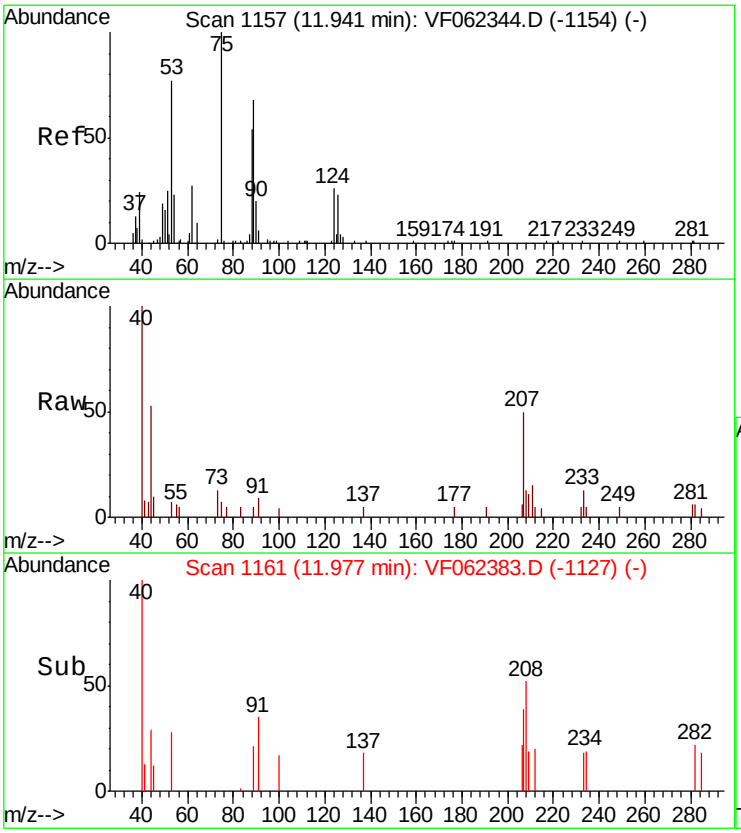

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

**Instrument :**
MSVOA_F
**ClientSampleId :**
SP-02-COMP

Tgt Ion:152 Resp: 112820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.5 | 26.4 | 79.2 |
| 150 | 152.7 | 0.0 | 335.0 |




#81
trans-1,4-Dichloro-2-butene
Concen: 1.801 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. 0.04 min
Lab File: VF062383.D
Acq: 8 May 2019 18:00

Tgt Ion: 75 Resp: 541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 37.7 | 71.9 | 107.9# |
| 89 | 13.9 | 0.0 | 0.0# |