Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY071420\
Data File : VY003192.D
Acq On : 14 Jul 2020 13:45
Operator : SY/MD
Sample : L3287-04
Misc : 5.56G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Quant Time: Jul 15 04:13:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 397315 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.69 | 114 | 595456 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 532058 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 238751 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 195939 | 58.43 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 116.86% | | | |
| 35) Dibromofluoromethane | 7.72 | 113 | 184673 | 53.89 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.78% | | | |
| 50) Toluene-d8 | 10.18 | 98 | 715547 | 56.17 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 112.34% | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 225886 | 49.08 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.16% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 11) Tert butyl alcohol | 4.96 | 59 | 452 | 1.246 | ug/l # | 72 |
| 16) Acetone | 3.96 | 43 | 13697 | 18.285 | ug/l | 97 |
| 20) Methylene Chloride | 4.73 | 84 | 13680 | Below Cal | # | 83 |
| 25) 2-Butanone | 6.99 | 43 | 5387 | 4.380 | ug/l | 93 |
| 31) Cyclohexane | 7.79 | 56 | 7432 | 1.218 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.80 | 75 | 26848 | 4.975 | ug/l # | 49 |
| 37) Ethyl Acetate | 6.99 | 43 | 5387 | 1.854 | ug/l # | 67 |
| 38) Carbon Tetrachloride | 7.80 | 117 | 35960 | 6.454 | ug/l # | 17 |
| 49) 1,4-Dioxane | 9.30 | 88 | 115 | 4.035 | ug/l # | 7 |
| 76) 1,2,3-Trichloropropane | 12.48 | 75 | 114831 | 54.336 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75 | 114831 | 105.748 | ug/l # | 13 |

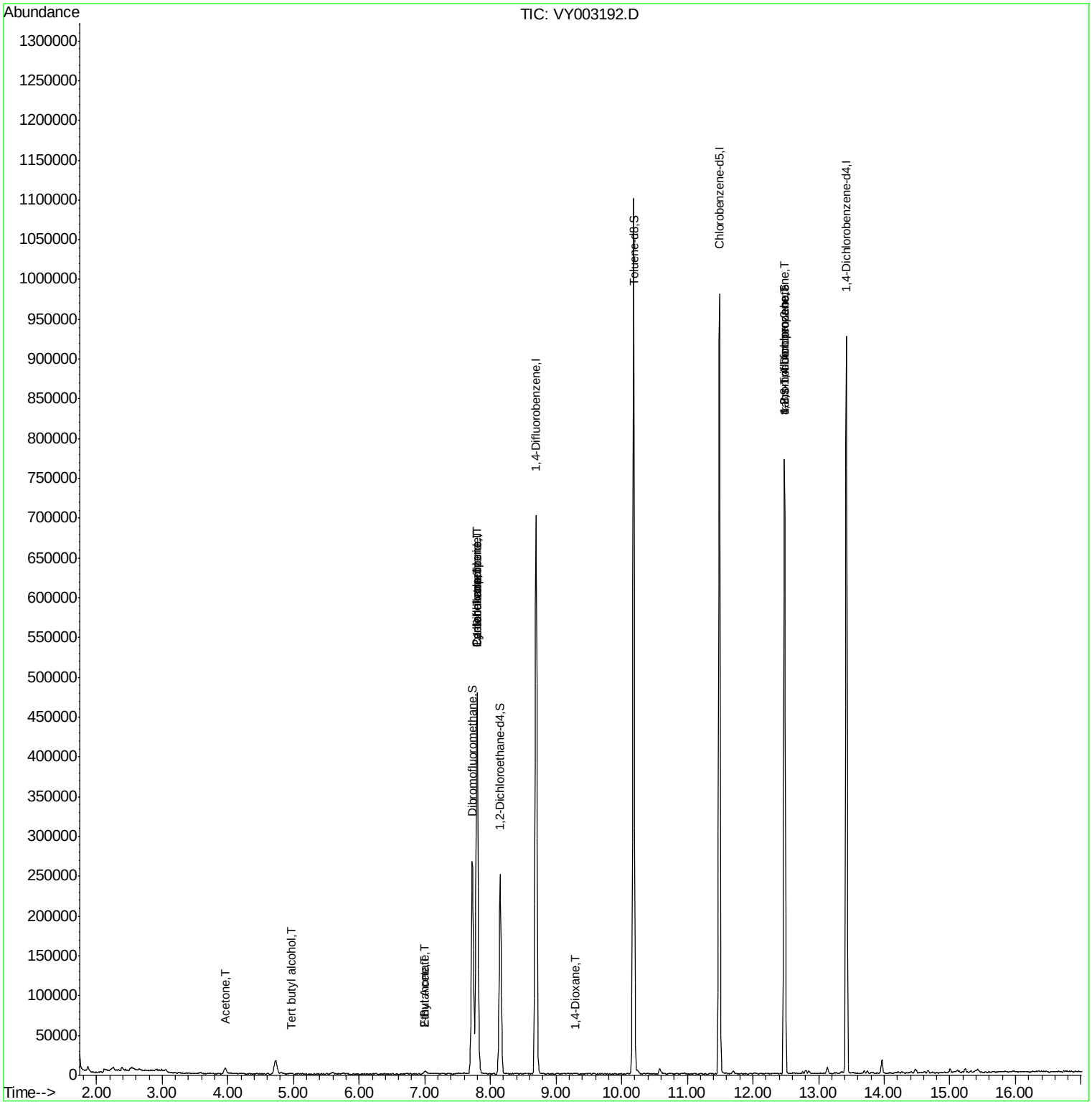
(#) = qualifier out of range (m) = manual integration (+) = signals summed

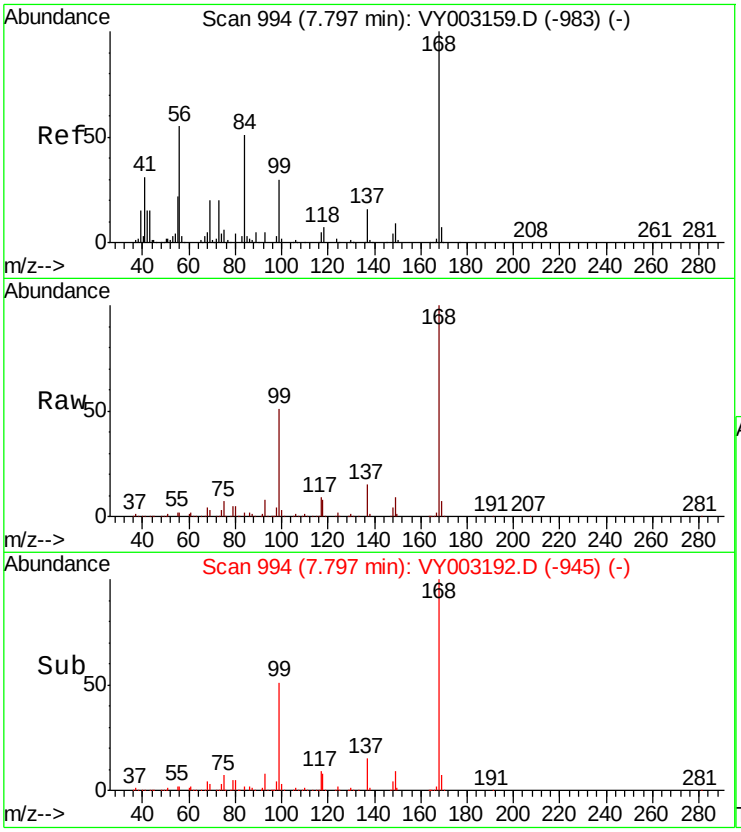
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY071420\
Data File : VY003192.D
Acq On : 14 Jul 2020 13:45
Operator : SY/MD
Sample : L3287-04
Misc : 5.56G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Quant Time: Jul 15 04:13:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration



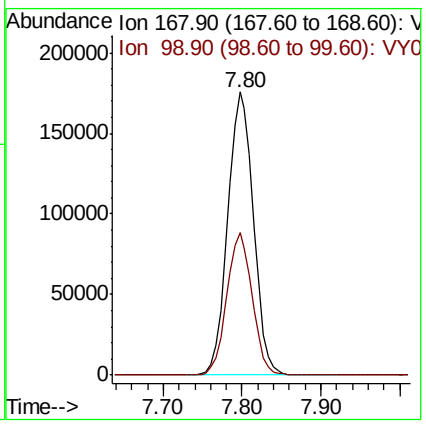


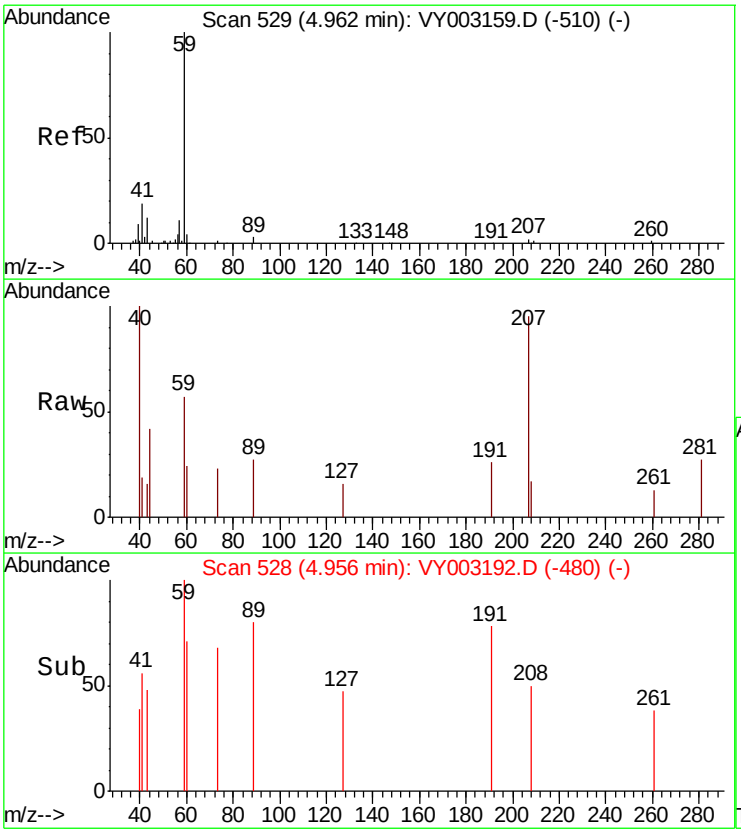

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Tgt Ion:168 Resp: 397315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 50.6 | 37.3 | 55.9 |

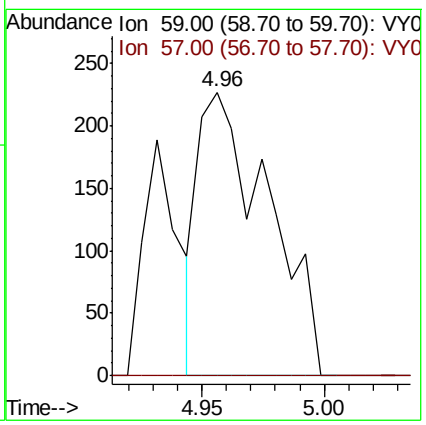


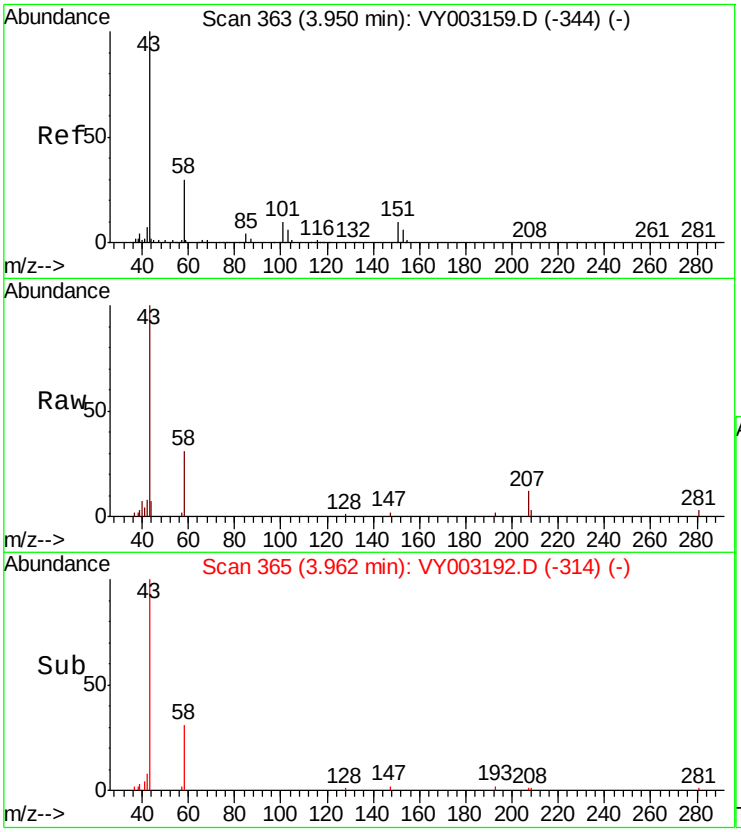




#11
Tert butyl alcohol
Concen: 1.246 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion: 59 Resp: 452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.4 | 12.6# |



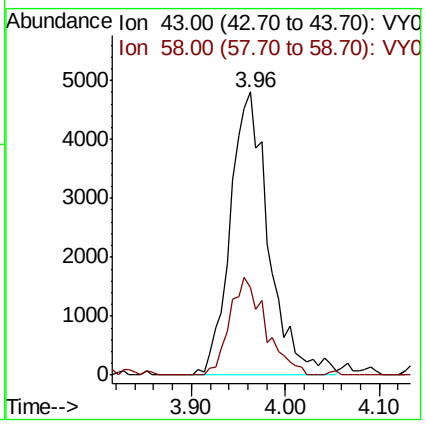


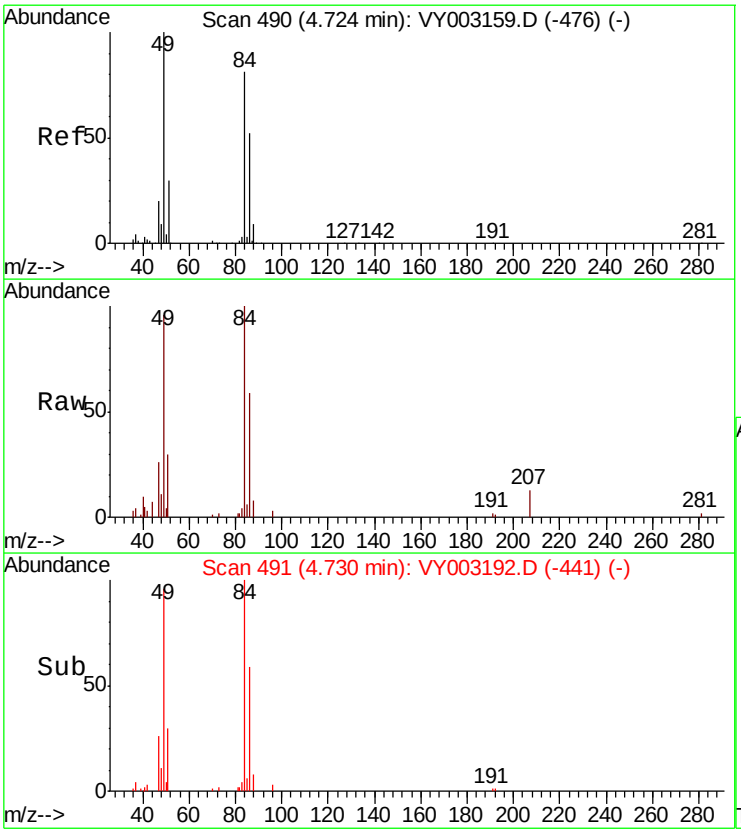

#16
Acetone
Concen: 18.285 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Tgt Ion: 43 Resp: 13697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 23.8 | 35.6 |

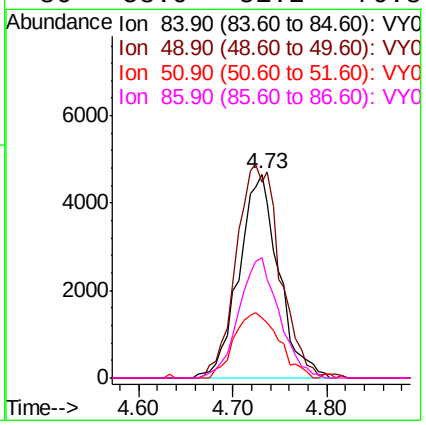


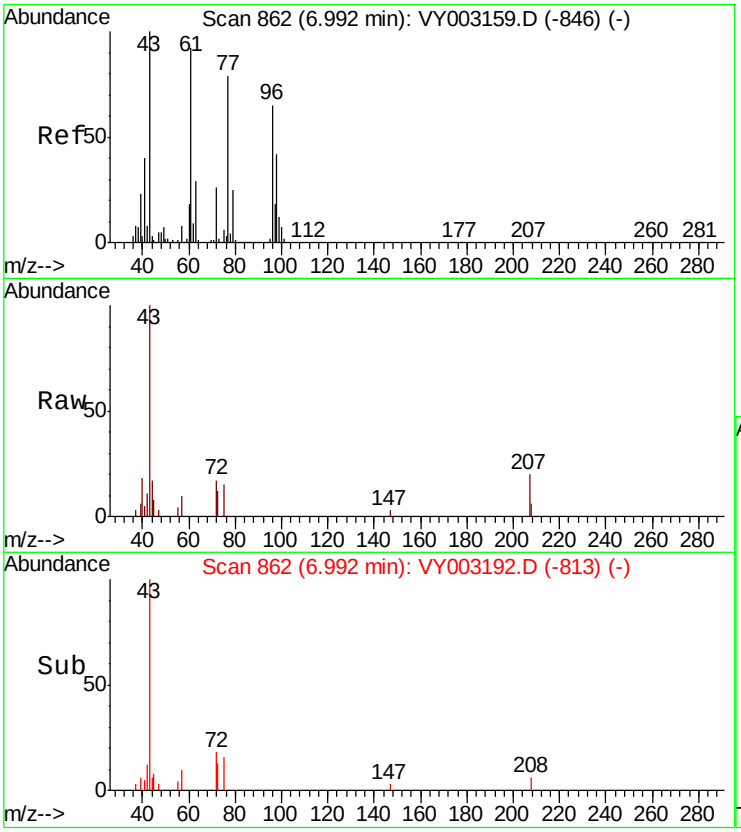




#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion: 84 Resp: 13680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 96.0 | 98.2 | 147.4# |
| 51 | 29.8 | 29.8 | 44.6 |
| 86 | 58.9 | 51.2 | 76.8 |



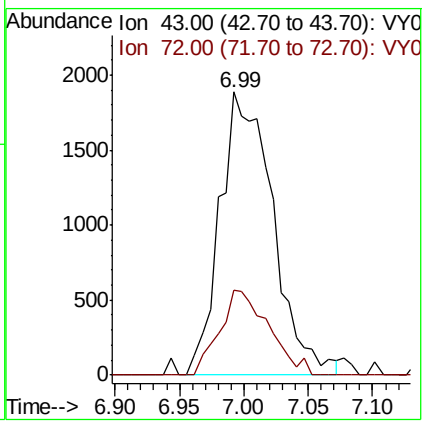


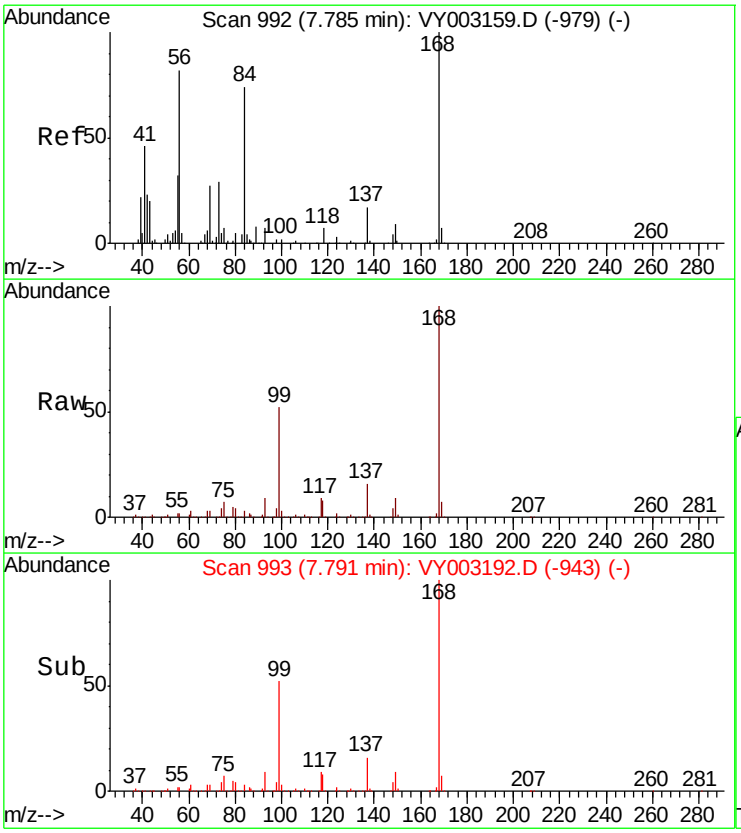

#25
2-Butanone
Concen: 4.380 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
FK-GF-03-012-B

Tgt Ion: 43 Resp: 5387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.8 | 20.9 | 31.3 |

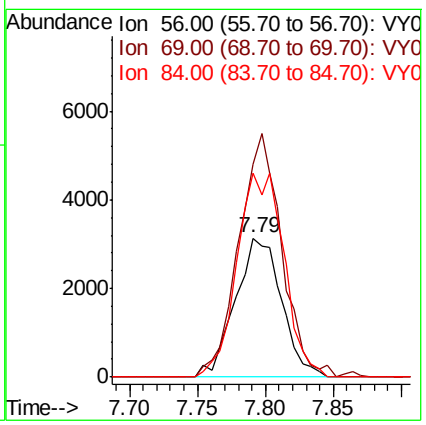


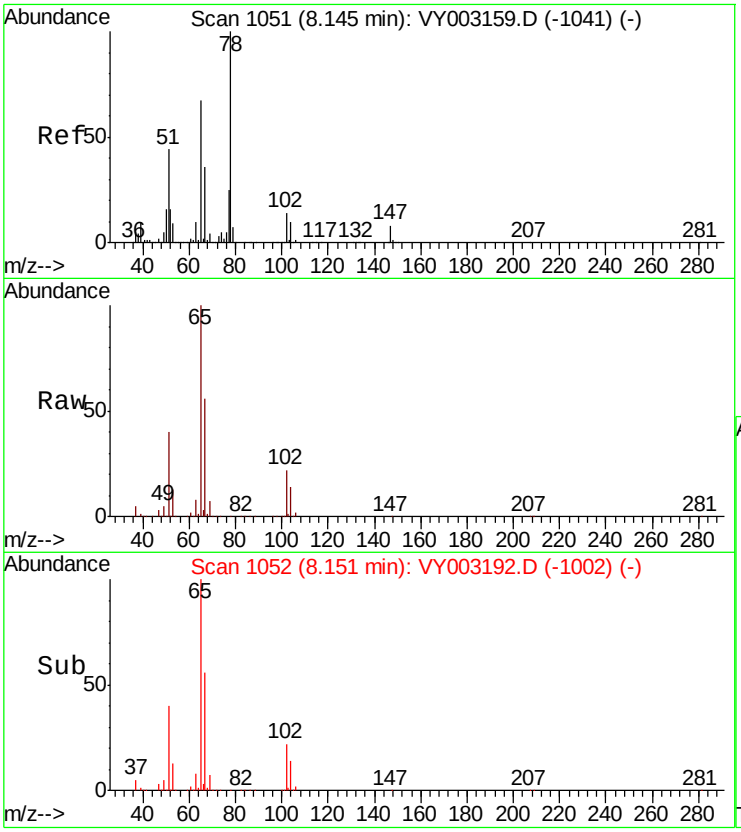




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion: 56 Resp: 7432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 153.5 | 26.7 | 40.1# |
| 84 | 146.6 | 72.3 | 108.5# |



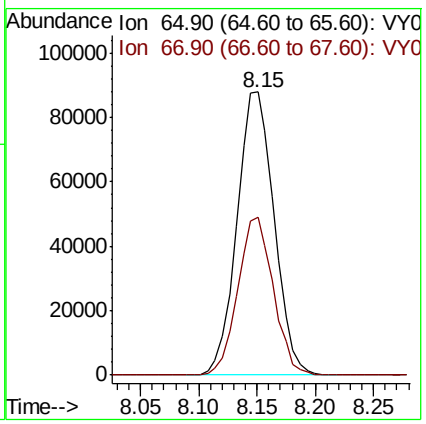


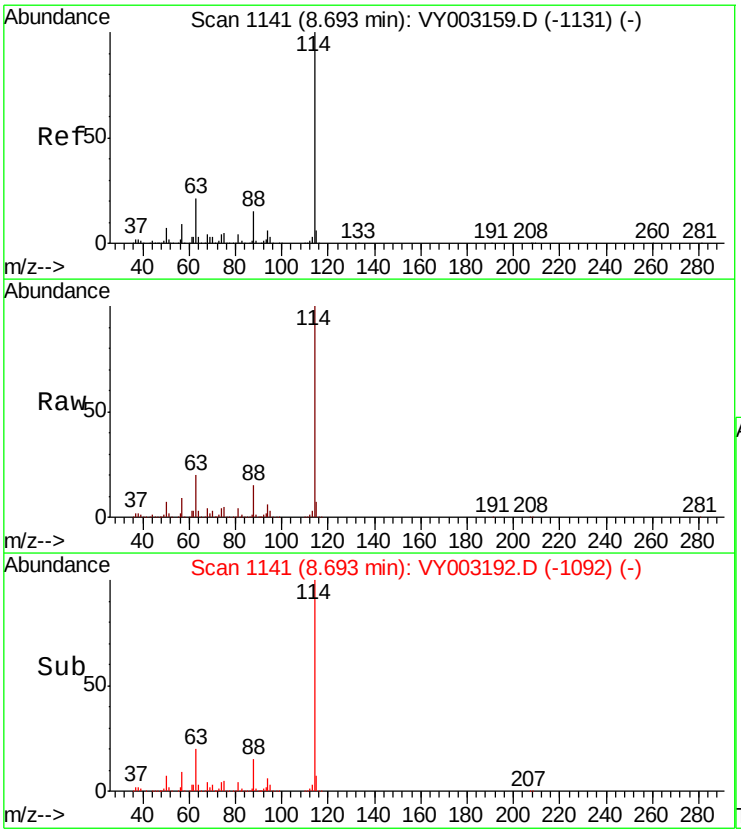

#33
1,2-Dichloroethane-d4
Concen: 58.429 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Tgt Ion: 65 Resp: 195939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.3 | 0.0 | 105.2 |

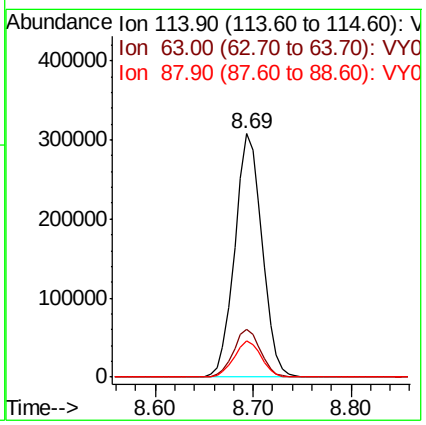


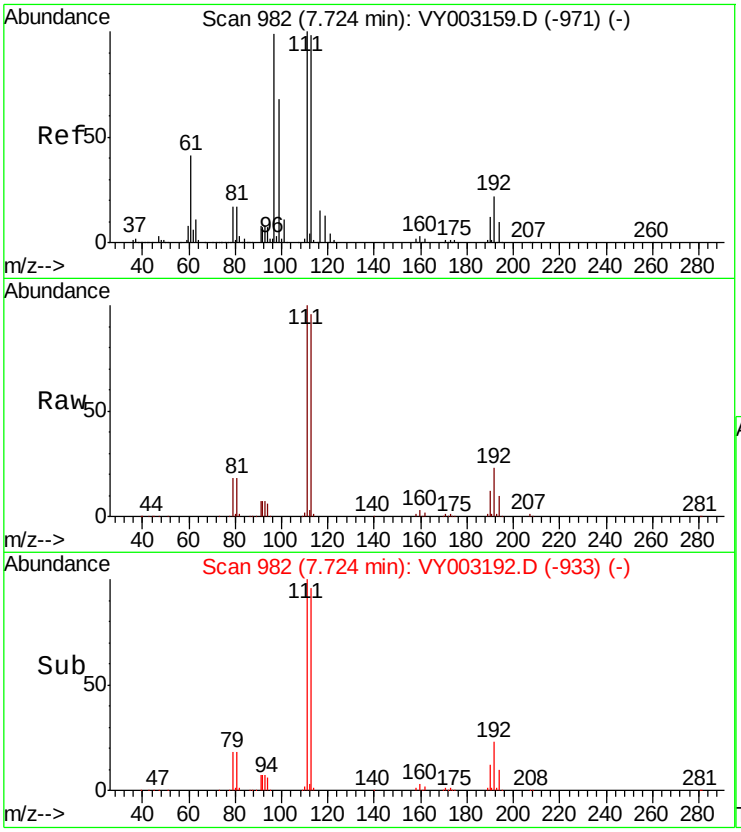




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion:114 Resp: 595456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.5 | 0.0 | 41.2 |
| 88 | 15.2 | 0.0 | 30.2 |



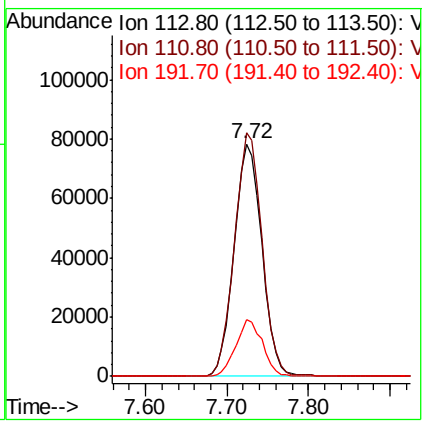


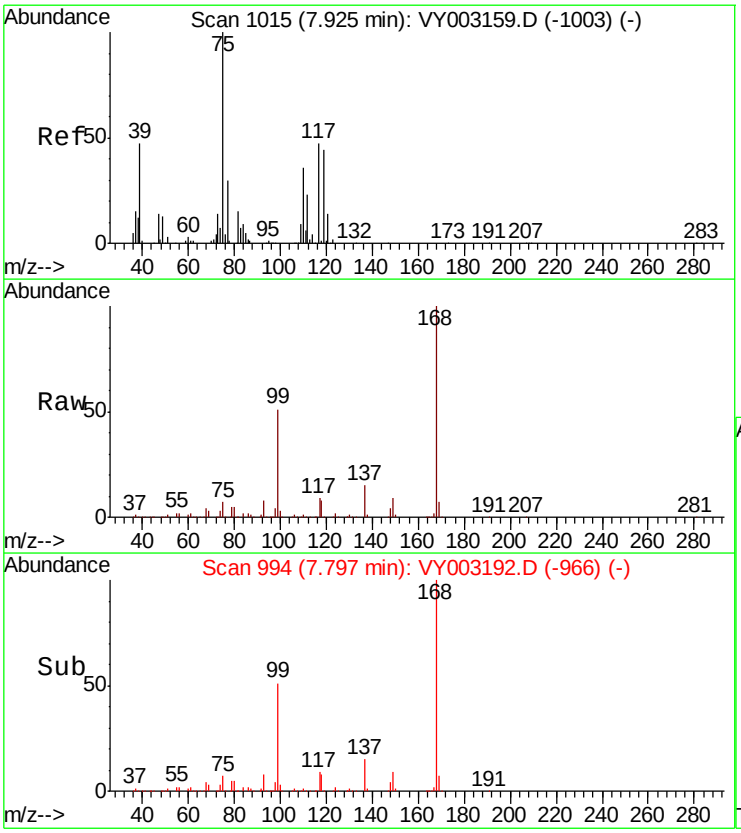

#35
Dibromofluoromethane
Concen: 53.892 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
FK-GF-03-012-B

Tgt Ion:113 Resp: 184673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 82.1 | 123.1 |
| 192 | 23.4 | 18.8 | 28.2 |

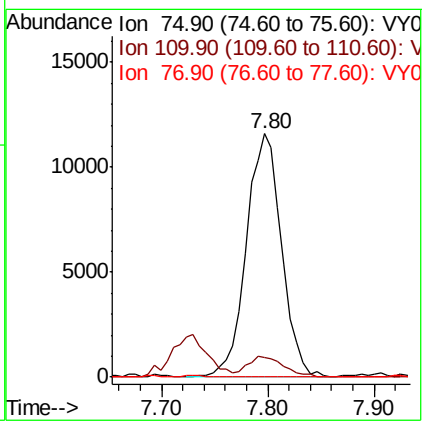


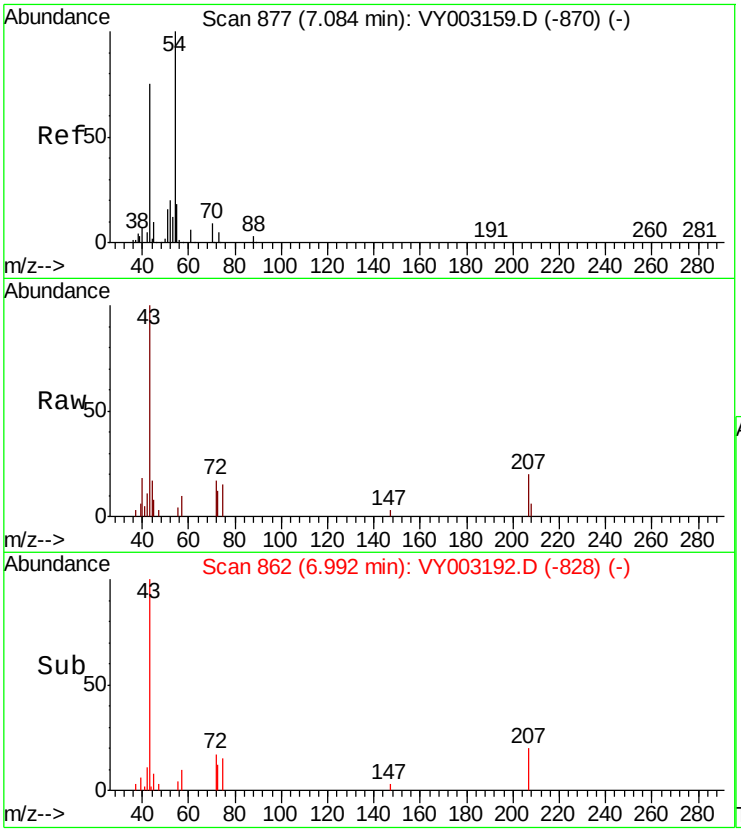




#36
1,1-Dichloropropene
Concen: 4.975 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion: 75 Resp: 26848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.9 | 18.1 | 54.1# |
| 77 | 0.0 | 24.8 | 37.2# |



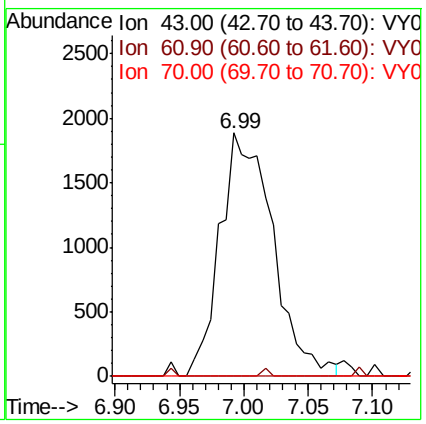


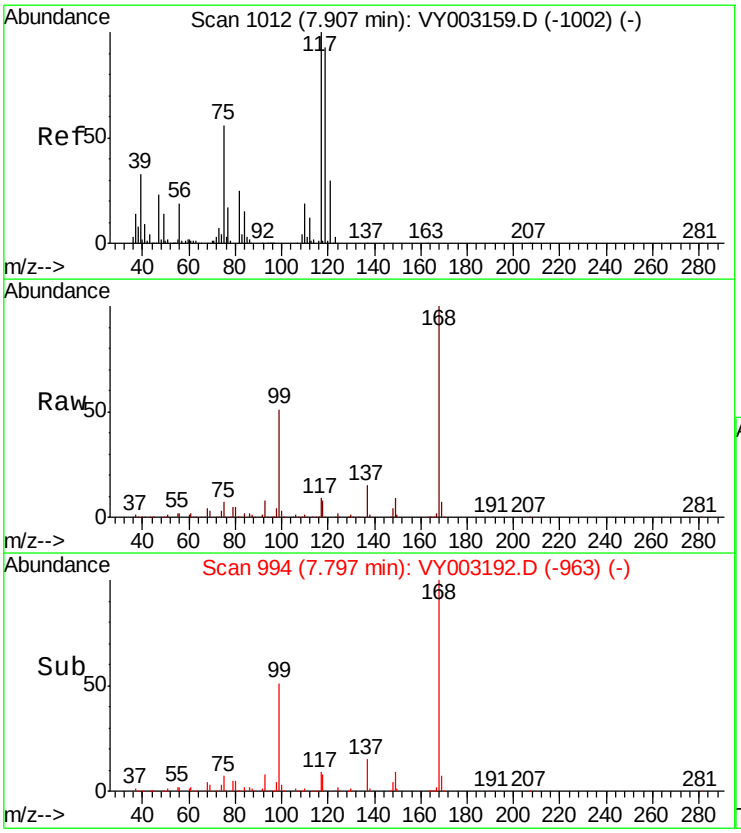

#37
Ethyl Acetate
Concen: 1.854 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.09 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Tgt Ion: 43 Resp: 5387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 11.8 | 17.6# |
| 70 | 0.0 | 8.6 | 13.0# |

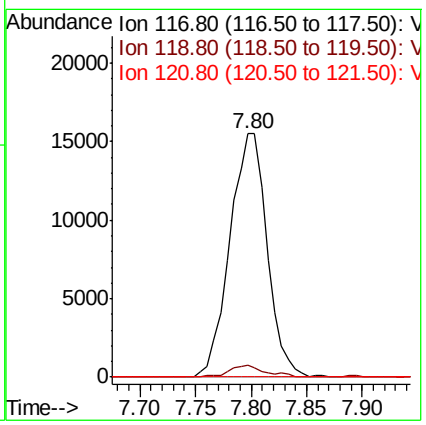


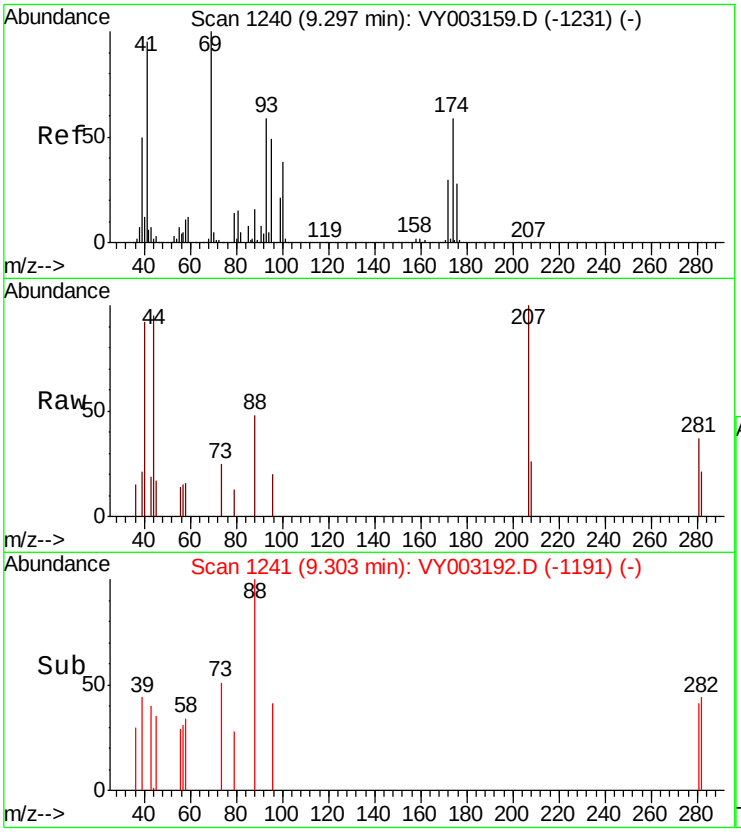




#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion:117 Resp: 35960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.8 | 74.5 | 111.7# |
| 121 | 0.0 | 24.2 | 36.2# |



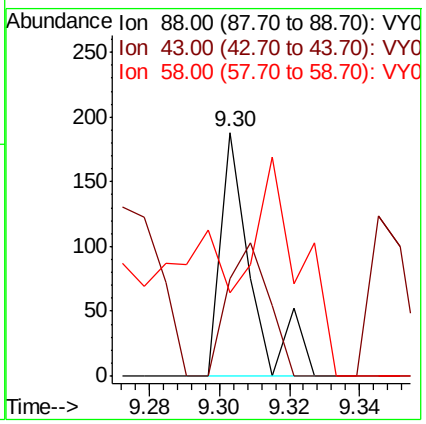


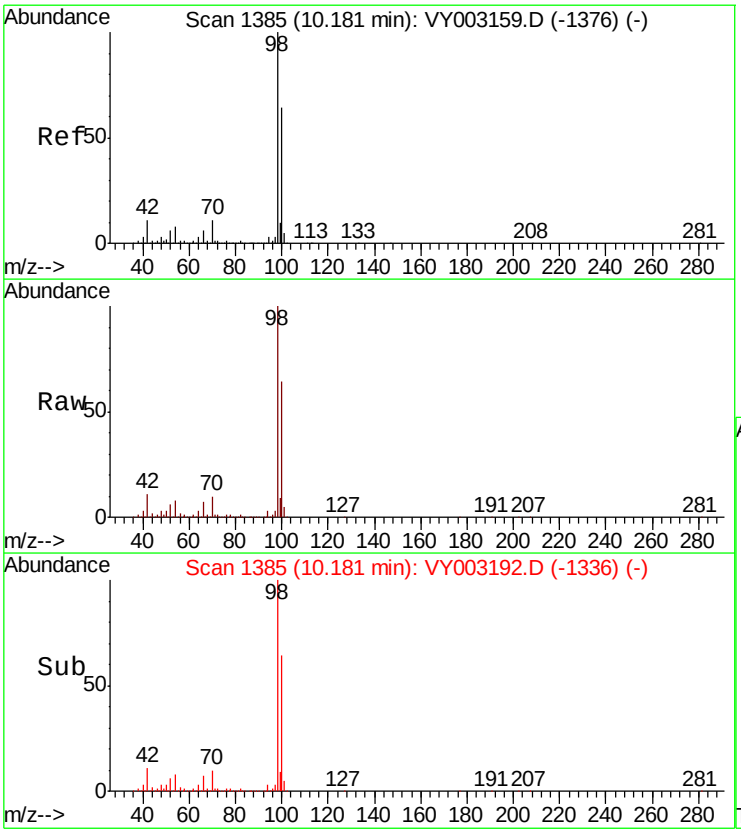

#49
1,4-Dioxane
Concen: 4.035 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :** MSVOA_Y
**ClientSampleId :** FK-GF-03-012-B

Tgt Ion: 88 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 73.9 | 25.6 | 38.4# |
| 58 | 136.5 | 47.8 | 71.6# |

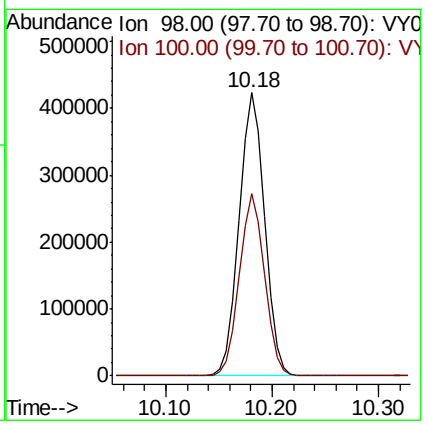


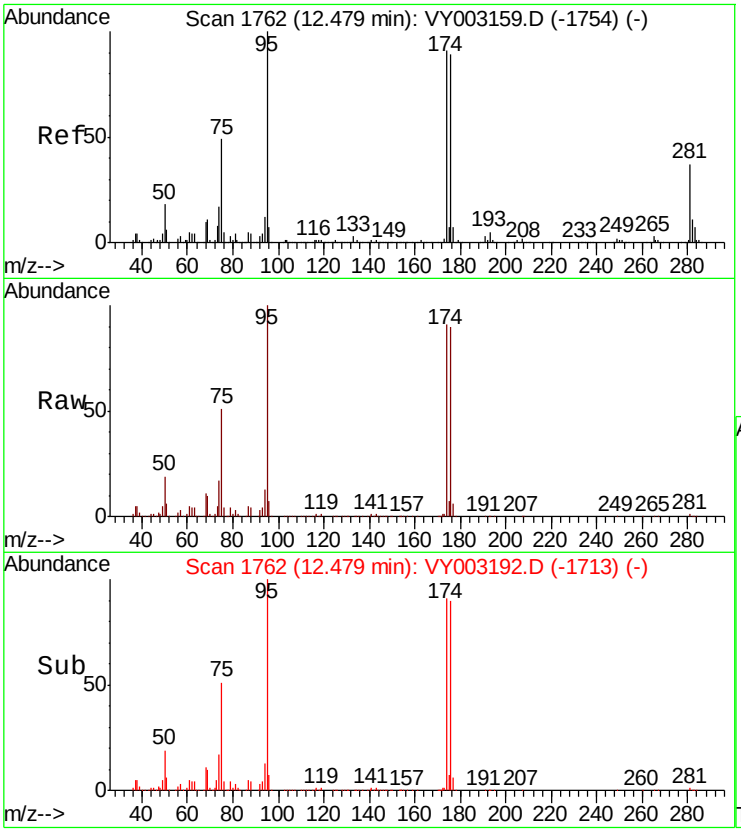




#50
Toluene-d8
Concen: 56.166 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion: 98 Resp: 715547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.5 | 50.7 | 76.1 |



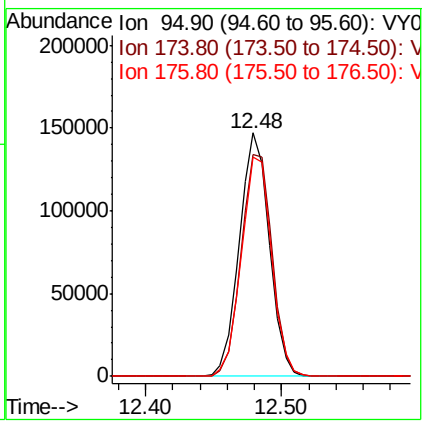


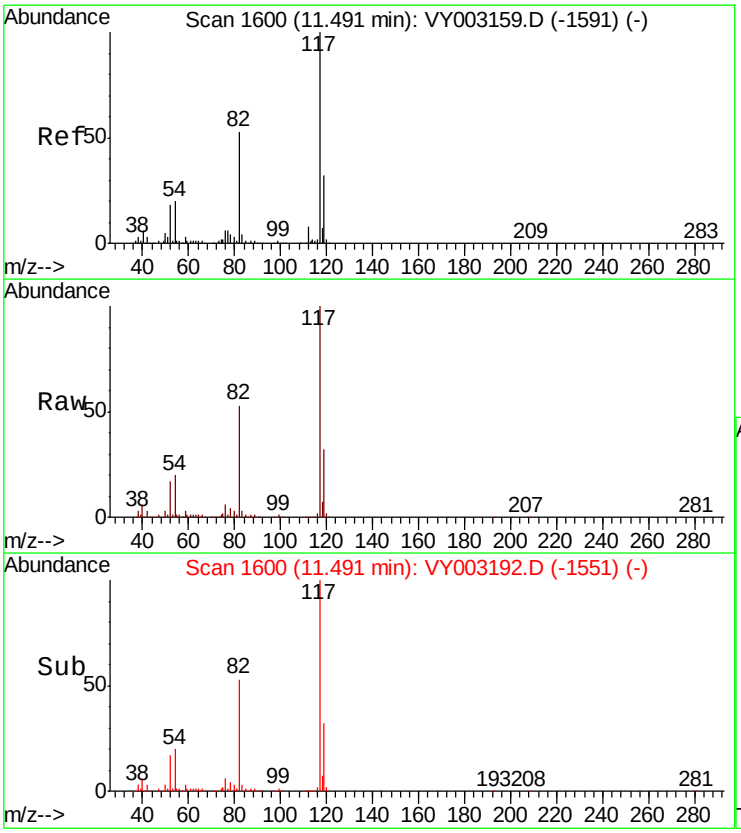

#62
4-Bromofluorobenzene
Concen: 49.080 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
FK-GF-03-012-B

Tgt Ion: 95 Resp: 225886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 94.8 | 0.0 | 190.6 |
| 176 | 91.9 | 0.0 | 186.4 |

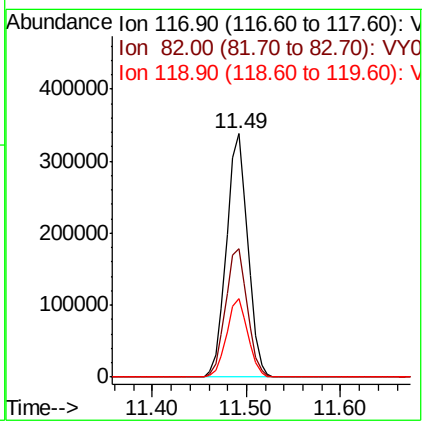


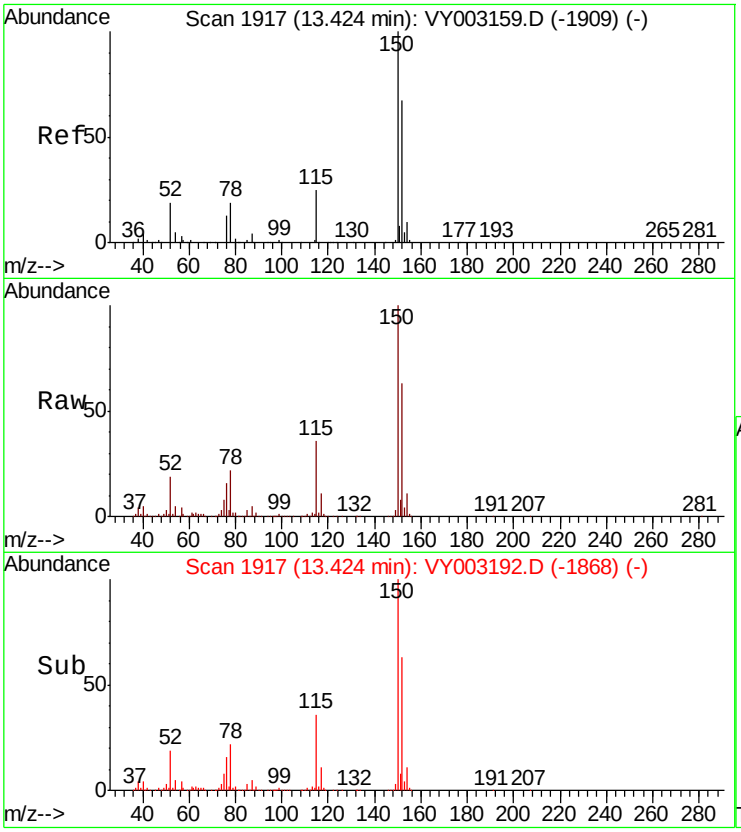




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion:117 Resp: 532058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.0 | 42.0 | 63.0 |
| 119 | 32.3 | 25.5 | 38.3 |



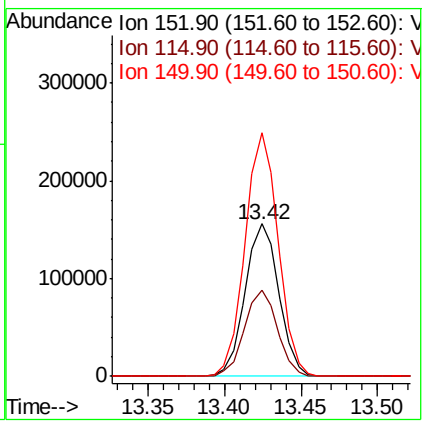


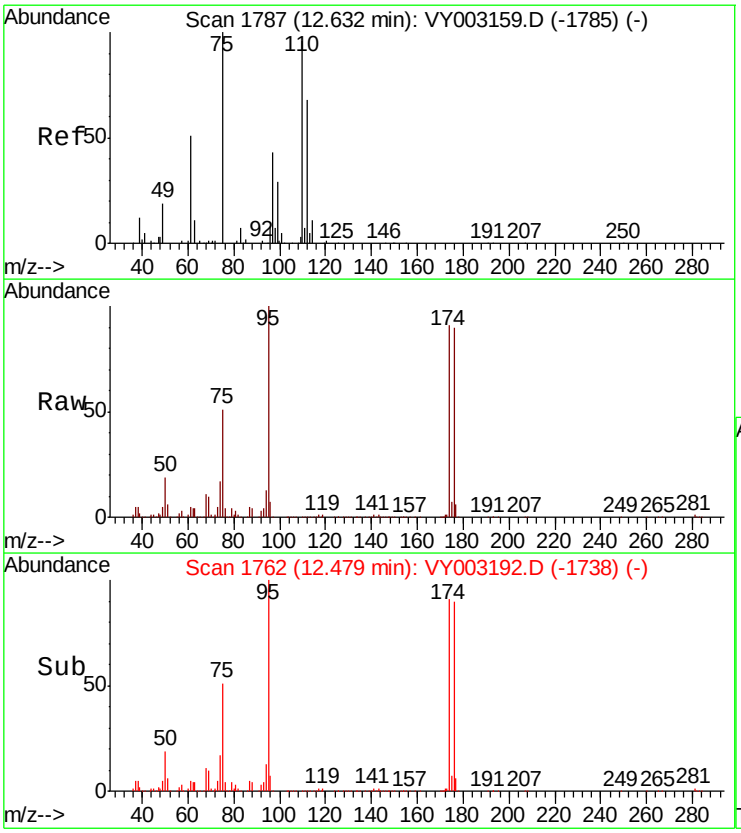

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
FK-GF-03-012-B

Tgt Ion:152 Resp: 238751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 55.4 | 26.9 | 80.7 |
| 150 | 156.7 | 0.0 | 338.0 |

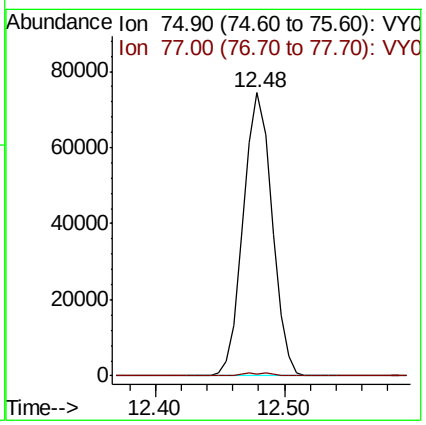


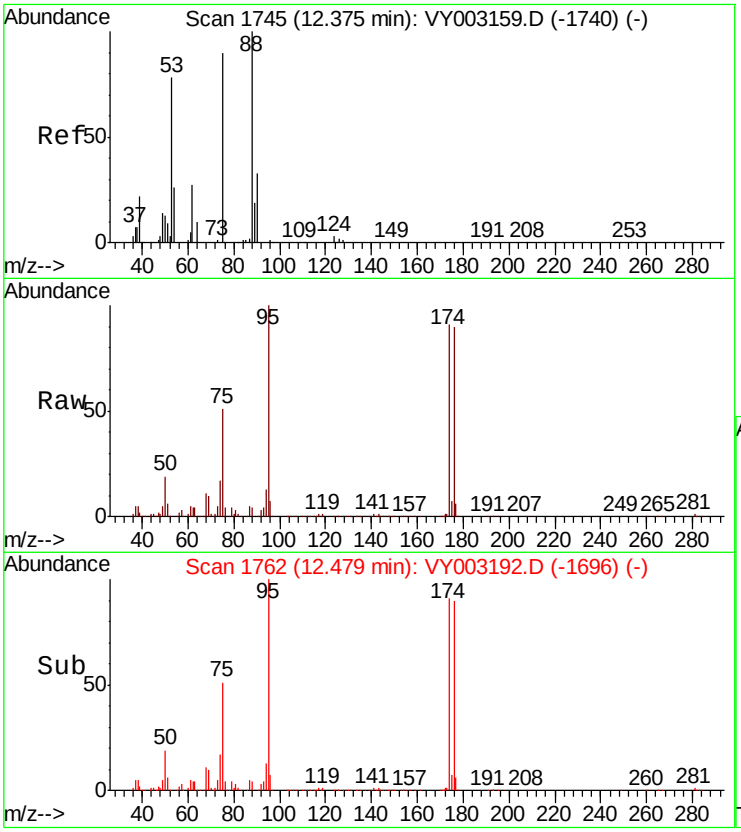




#76
1,2,3-Trichloropropane
Concen: 54.336 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

Tgt Ion: 75 Resp: 114831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 0.0 | 0.0# |






#81
trans-1,4-Dichloro-2-butene
Concen: 105.748 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003192.D
Acq: 14 Jul 2020 13:45

**Instrument :**
MSVOA_Y
**ClientSampleId :**
FK-GF-03-012-B

Tgt Ion: 75 Resp: 114831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 72.0 | 108.0# |
| 89 | 0.0 | 37.3 | 55.9# |