Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
Data File : VY000949.D
Acq On : 16 Dec 2019 12:36
Operator : SY/MD
Sample : K6112-05
Misc : 8.08G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :** OK-03-121219

Quant Time: Dec 17 06:03:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 254264 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.70 | 114 | 478935 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 420178 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 165756 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 148007 | 54.78 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.56% | | | |
| 35) Dibromofluoromethane | 7.73 | 113 | 140802 | 50.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.88% | | | |
| 50) Toluene-d8 | 10.18 | 98 | 564722 | 50.61 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.22% | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 175874 | 41.97 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 83.94% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.68 | 94 | 455 | Below Cal | # | 73 |
| 11) Tert butyl alcohol | 4.96 | 59 | 884 | 3.252 | ug/l # | 74 |
| 16) Acetone | 3.96 | 43 | 13488 | 21.762 | ug/l # | 88 |
| 20) Methylene Chloride | 4.72 | 84 | 9175 | 2.808 | ug/l | 97 |
| 25) 2-Butanone | 7.00 | 43 | 3118 | 2.723 | ug/l | 90 |
| 28) Bromochloromethane | 7.52 | 49 | 1213 | 2.602 | ug/l # | 15 |
| 30) Chloroform | 7.52 | 83 | 15657 | 2.882 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 7.79 | 75 | 20552 | 4.316 | ug/l # | 49 |
| 37) Ethyl Acetate | 7.00 | 43 | 3118 | 1.134 | ug/l # | 69 |
| 38) Carbon Tetrachloride | 7.80 | 117 | 26057 | 6.144 | ug/l # | 14 |
| 49) 1,4-Dioxane | 9.30 | 88 | 59 | 2.287 | ug/l # | 27 |
| 76) 1,2,3-Trichloropropane | 12.48 | 75 | 89305 | 47.553 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75 | 89305 | 93.408 | ug/l # | 17 |

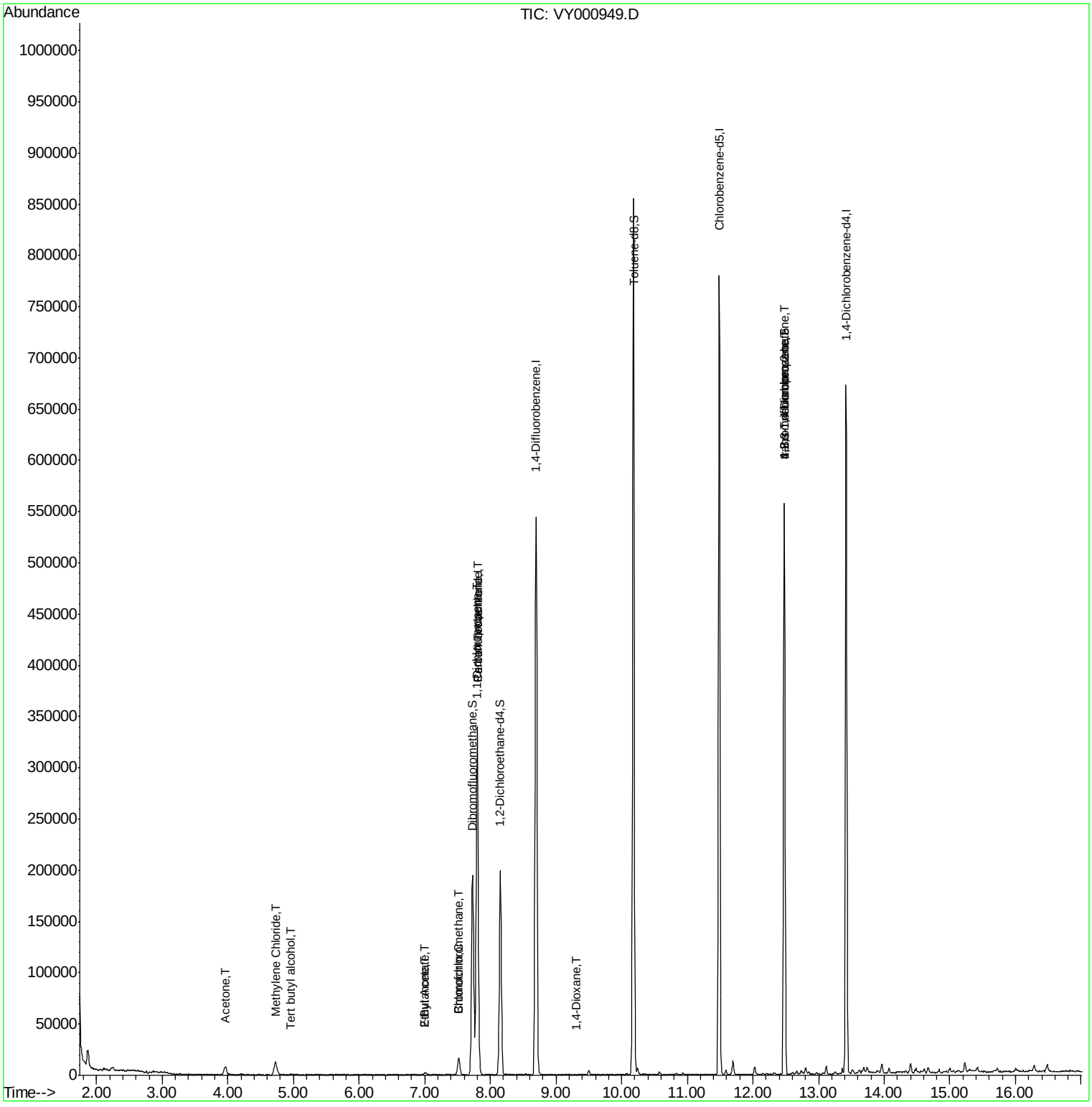
(#) = qualifier out of range (m) = manual integration (+) = signals summed

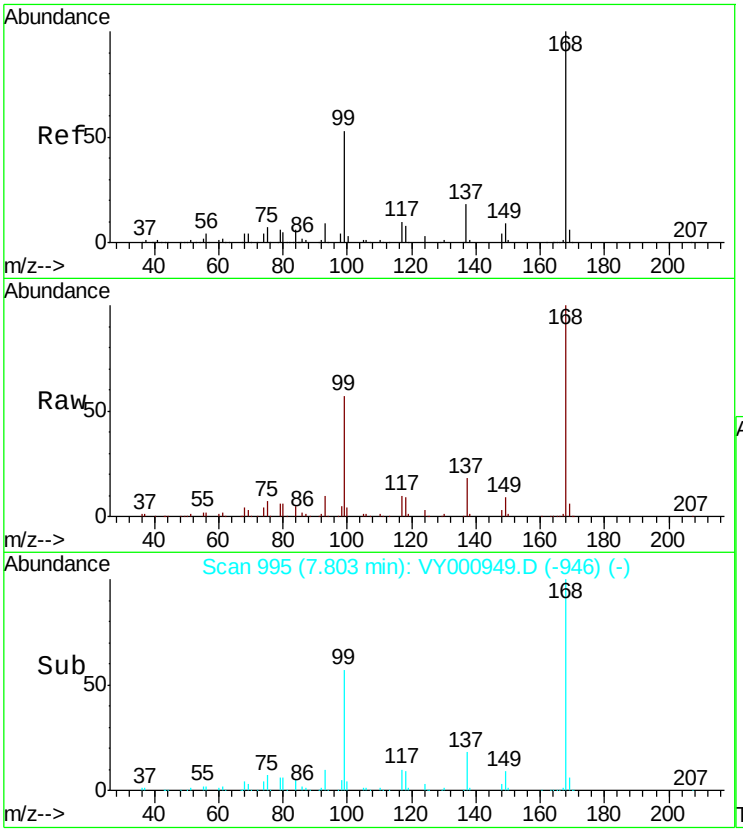
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
Data File : VY000949.D
Acq On : 16 Dec 2019 12:36
Operator : SY/MD
Sample : K6112-05
Misc : 8.08G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Quant Time: Dec 17 06:03:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration



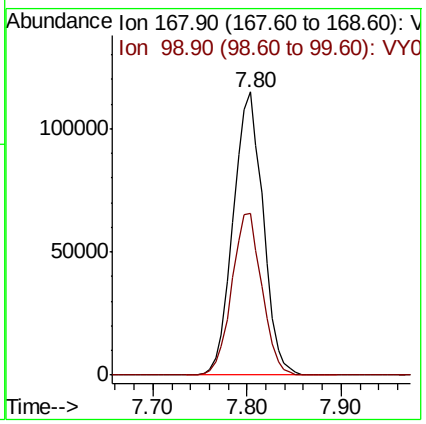


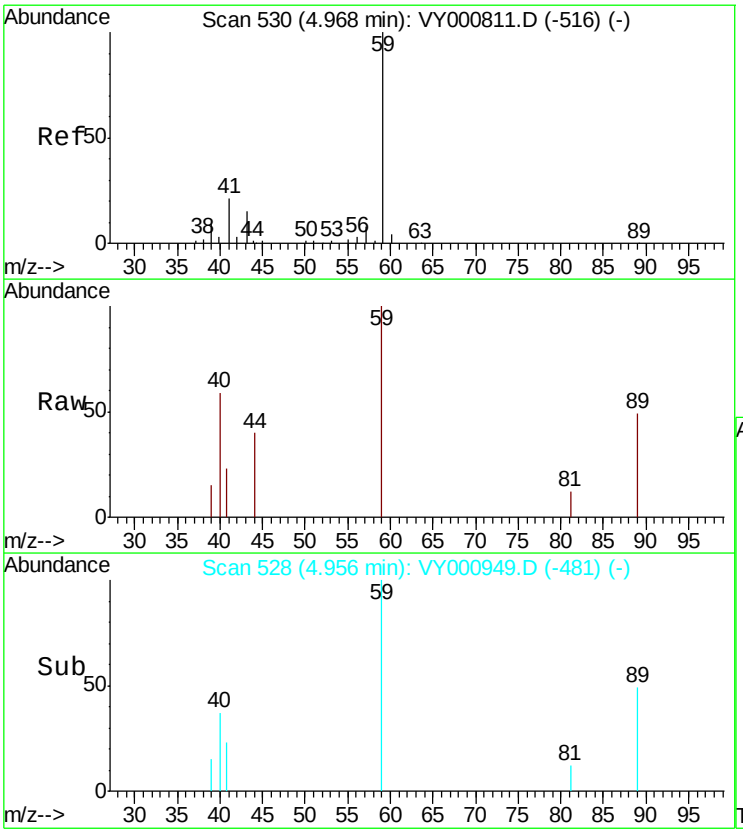

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Tgt Ion:168 Resp: 254264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.2 | 45.0 | 67.6 |

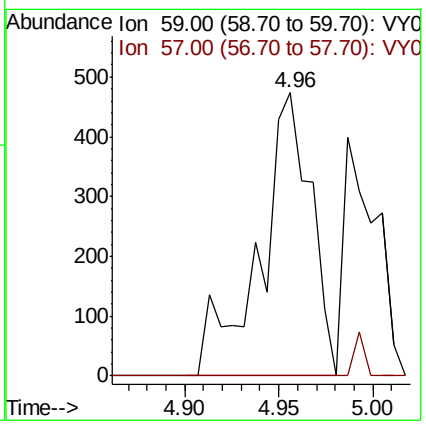


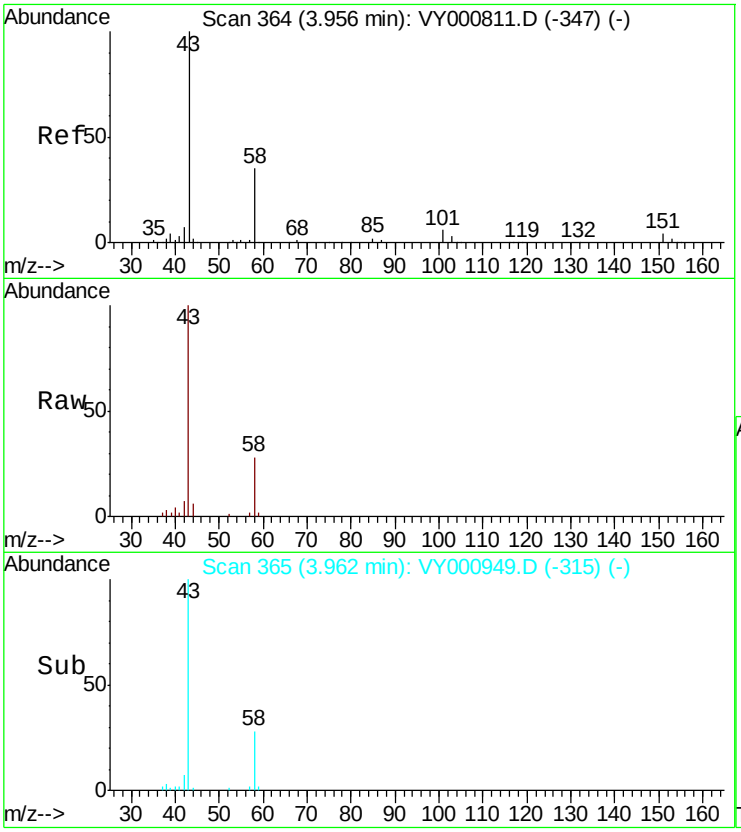




#11
Tert butyl alcohol
Concen: 3.252 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 59 Resp: 884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.6# |



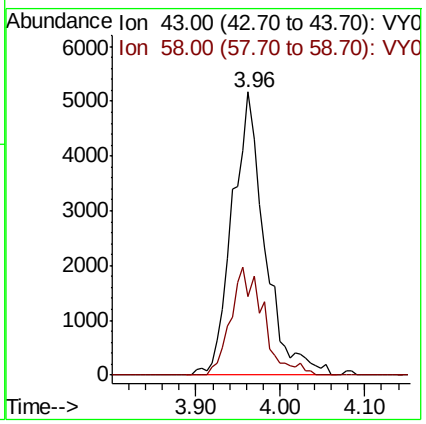


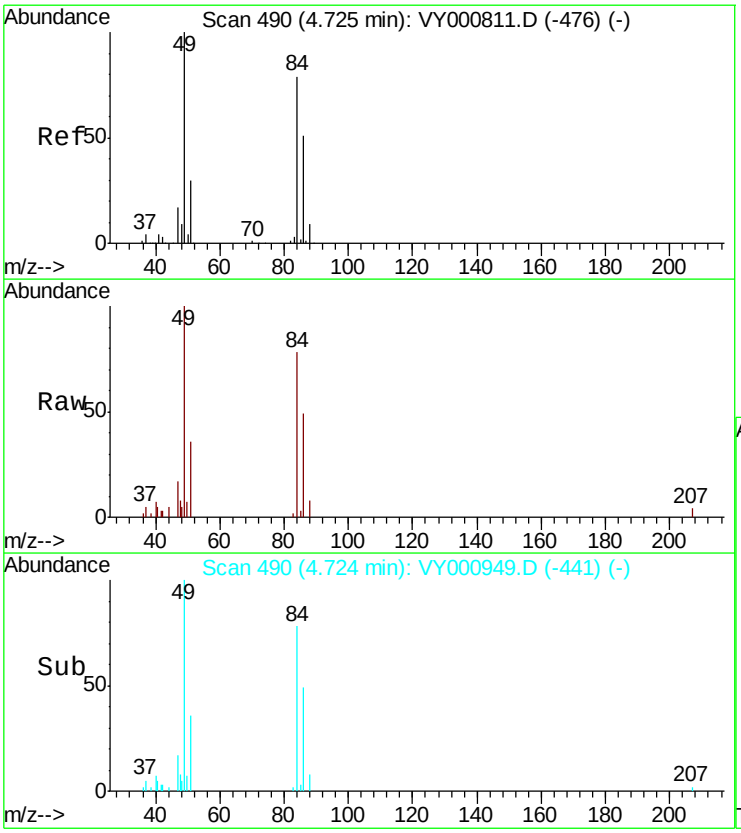

#16
Acetone
Concen: 21.762 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :** MSVOA_Y
**ClientSampleId :** OK-03-121219

Tgt Ion: 43 Resp: 13488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.8 | 28.0 | 42.0# |

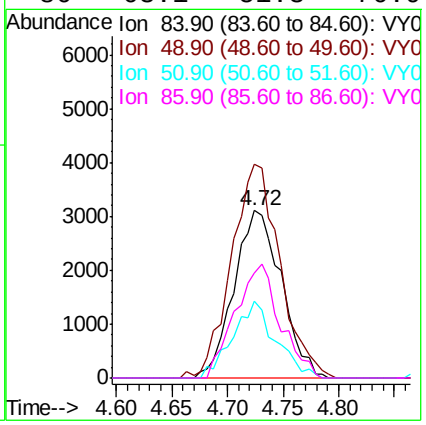


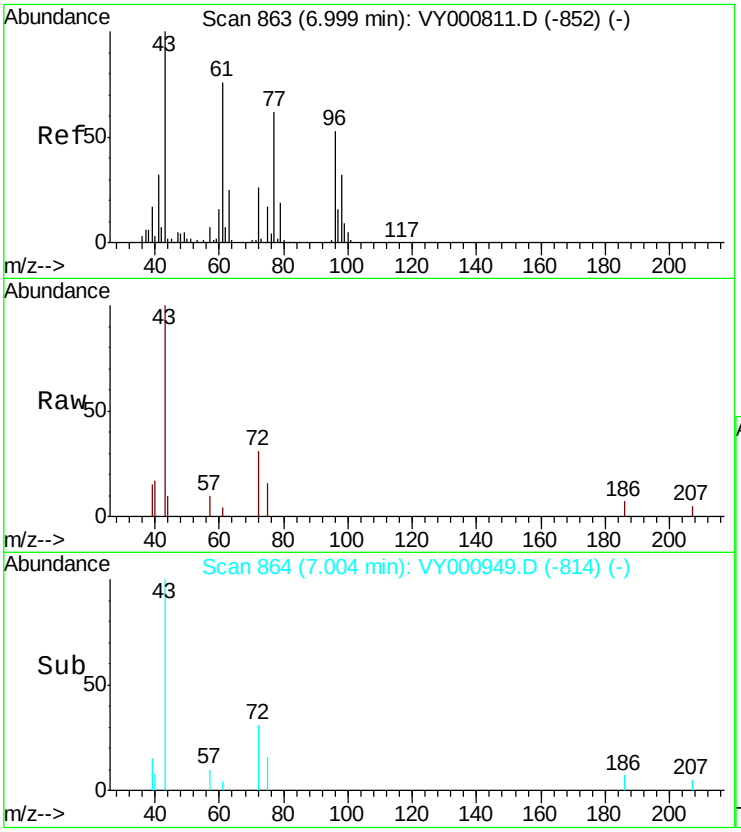




#20
Methylene Chloride
Concen: 2.808 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 84 Resp: 9175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 101.3 | 151.9 |
| 51 | 45.7 | 30.6 | 45.8 |
| 86 | 63.1 | 51.3 | 76.9 |



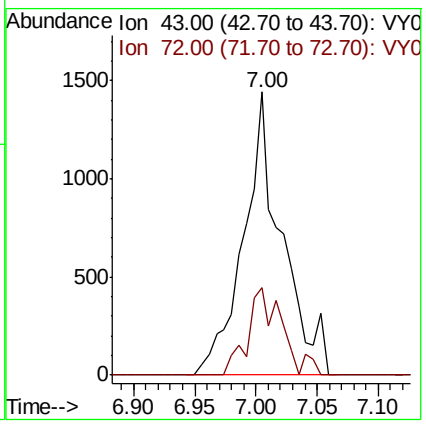


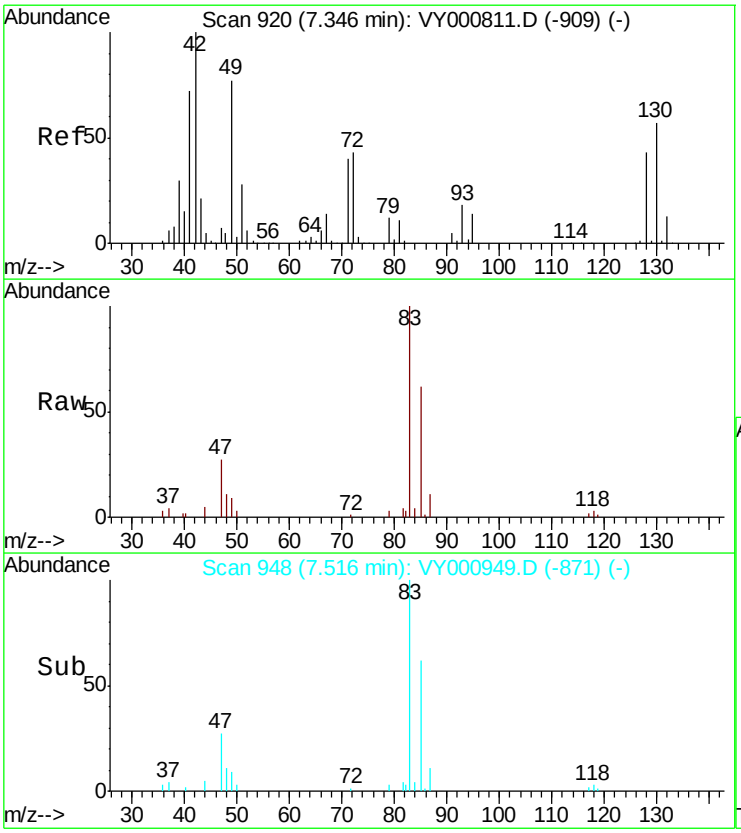

#25
2-Butanone
Concen: 2.723 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Tgt Ion: 43 Resp: 3118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 31.1 | 21.0 | 31.4 |

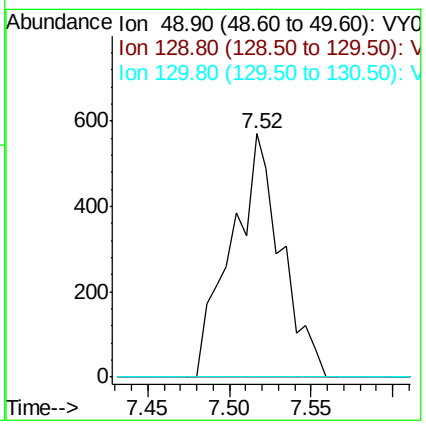


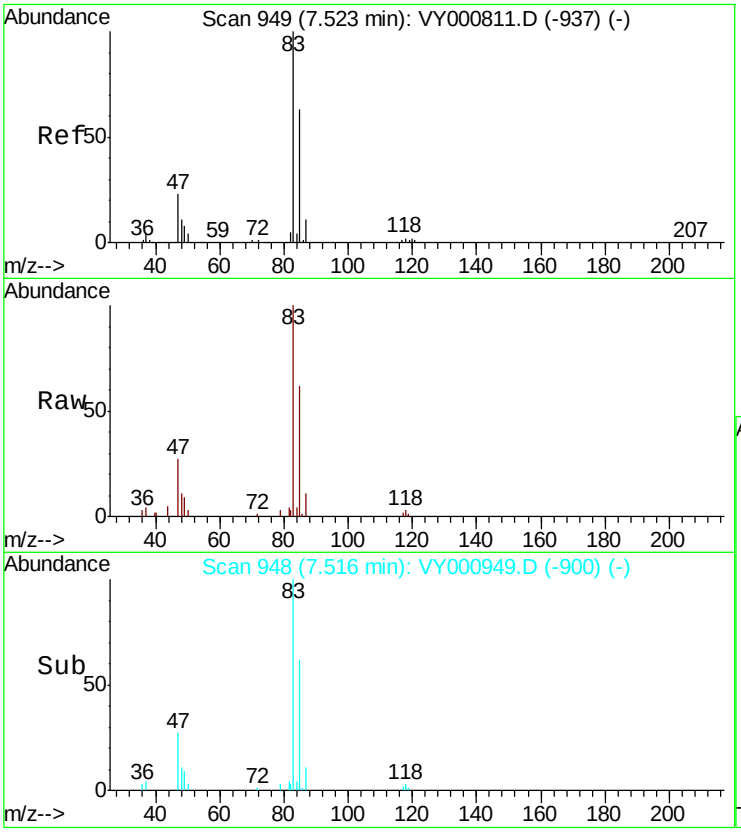




#28
Bromochloromethane
Concen: 2.602 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.17 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 49 Resp: 1213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.8 |
| 130 | 0.0 | 58.7 | 88.1# |



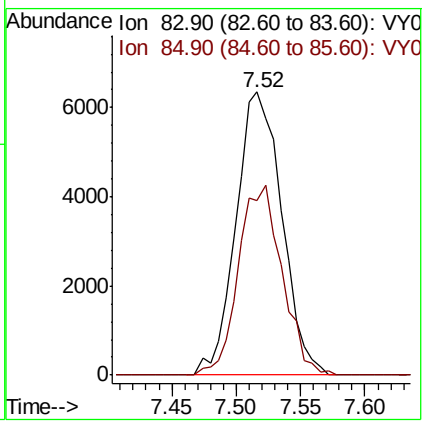


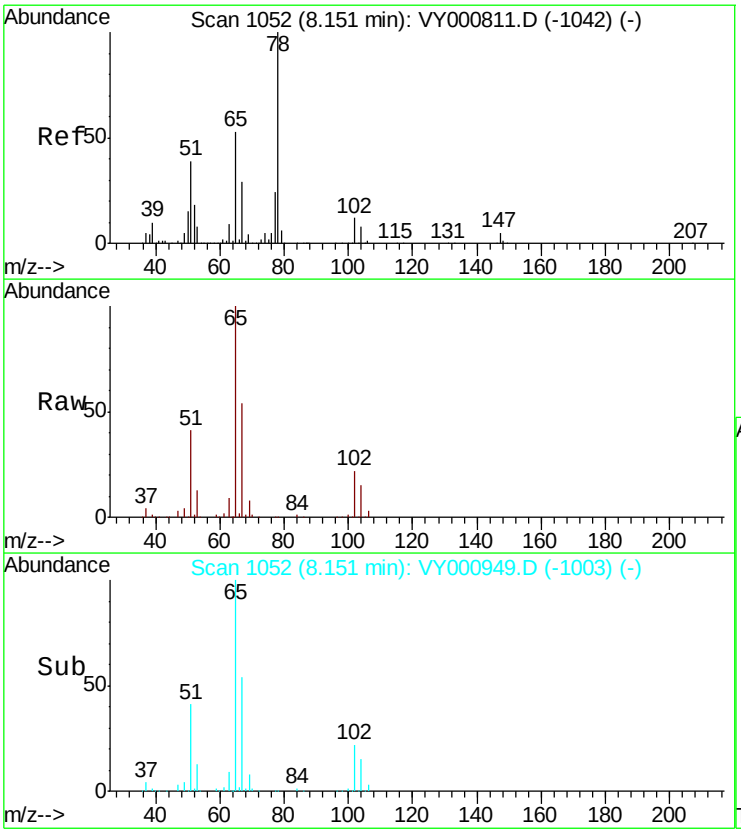

#30
Chloroform
Concen: 2.882 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Tgt Ion: 83 Resp: 15657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 50.4 | 75.6 |

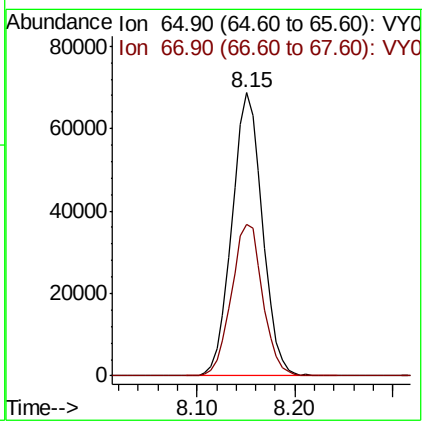


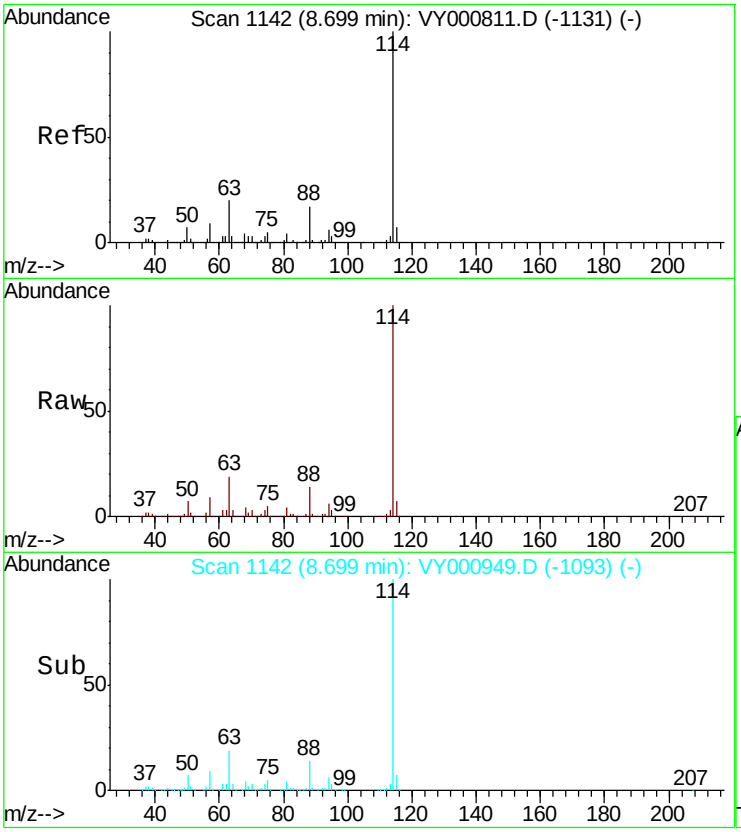




#33
1,2-Dichloroethane-d4
Concen: 54.781 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 65 Resp: 148007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.0 | 0.0 | 112.0 |



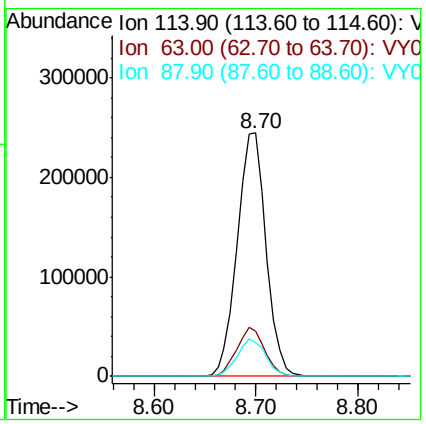


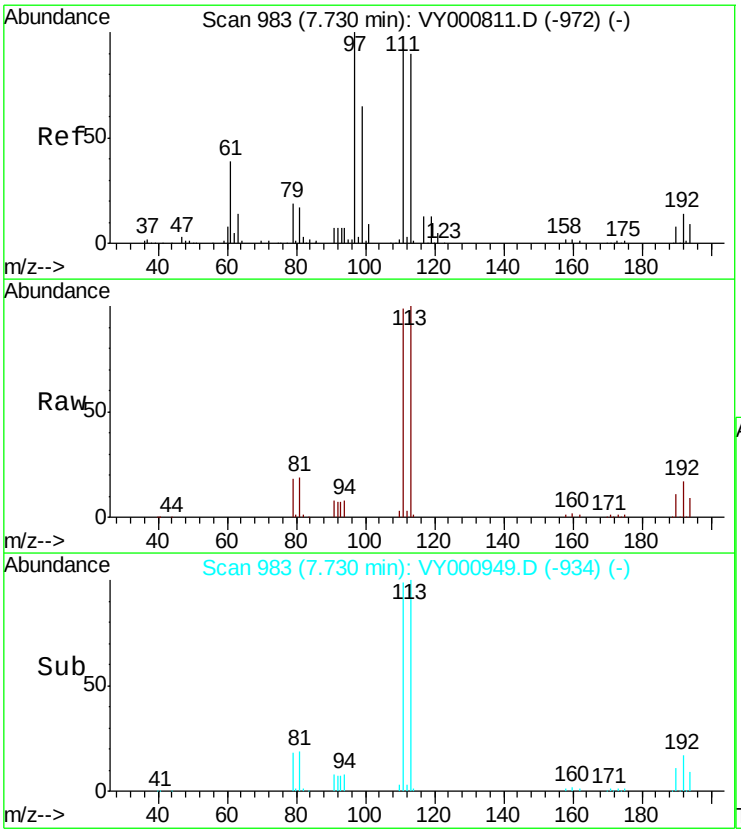

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Tgt Ion:114 Resp: 478935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.5 | 0.0 | 39.8 |
| 88 | 14.0 | 0.0 | 33.2 |

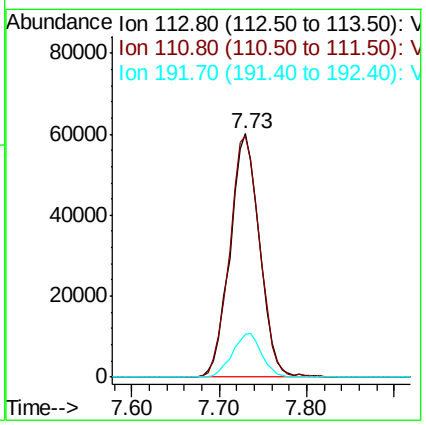


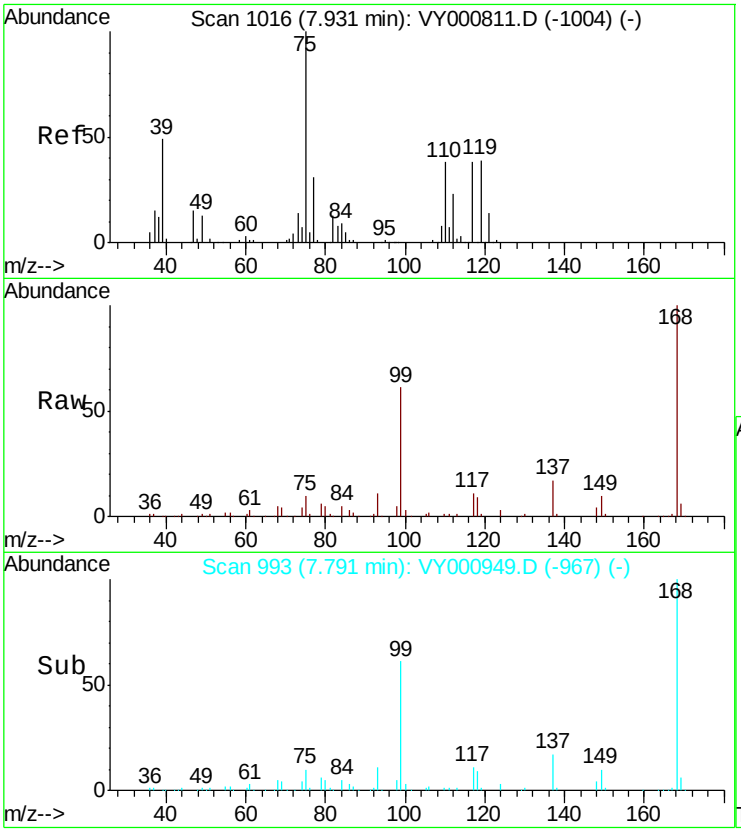




#35
Dibromofluoromethane
Concen: 50.444 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion:113 Resp: 140802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 82.4 | 123.6 |
| 192 | 17.6 | 14.2 | 21.2 |



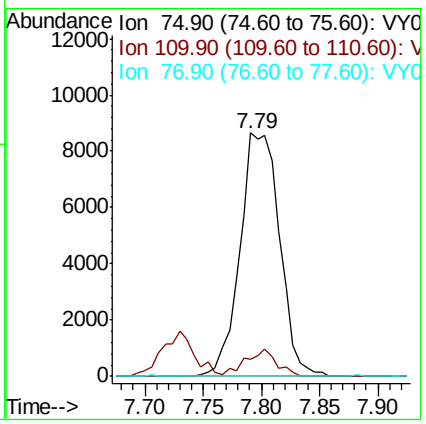


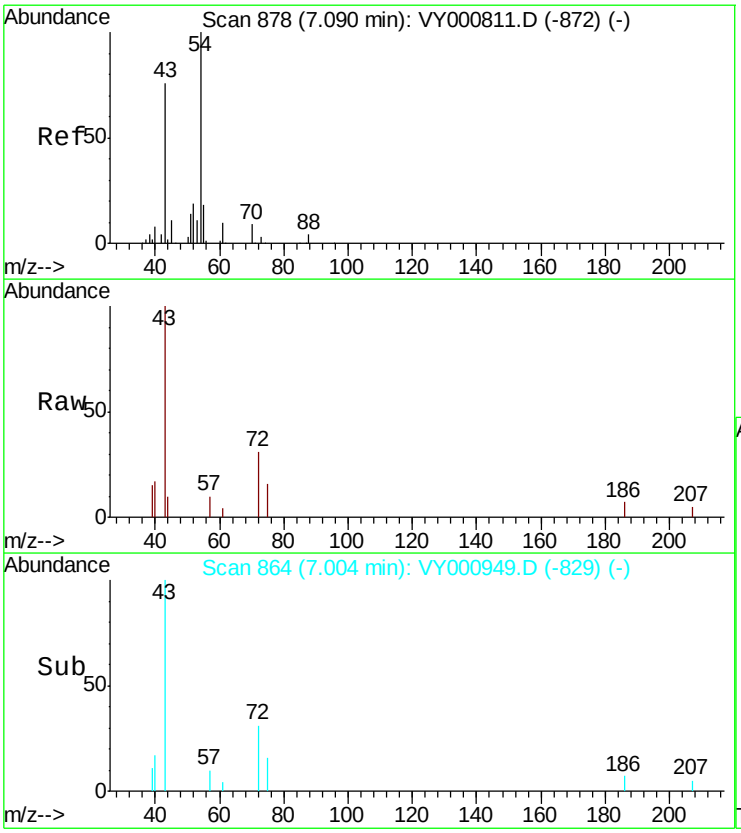

#36
1,1-Dichloropropene
Concen: 4.316 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.14 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :** MSVOA_Y
**ClientSampleId :** OK-03-121219

Tgt Ion: 75 Resp: 20552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.8 | 17.9 | 53.7# |
| 77 | 0.0 | 24.7 | 37.1# |

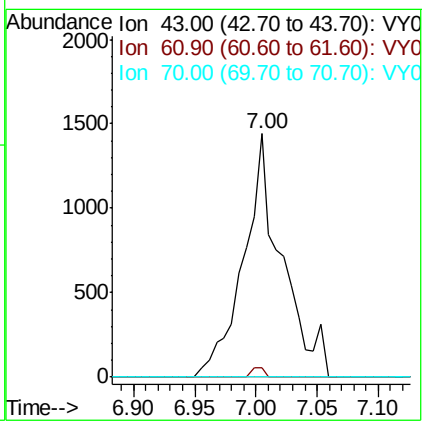


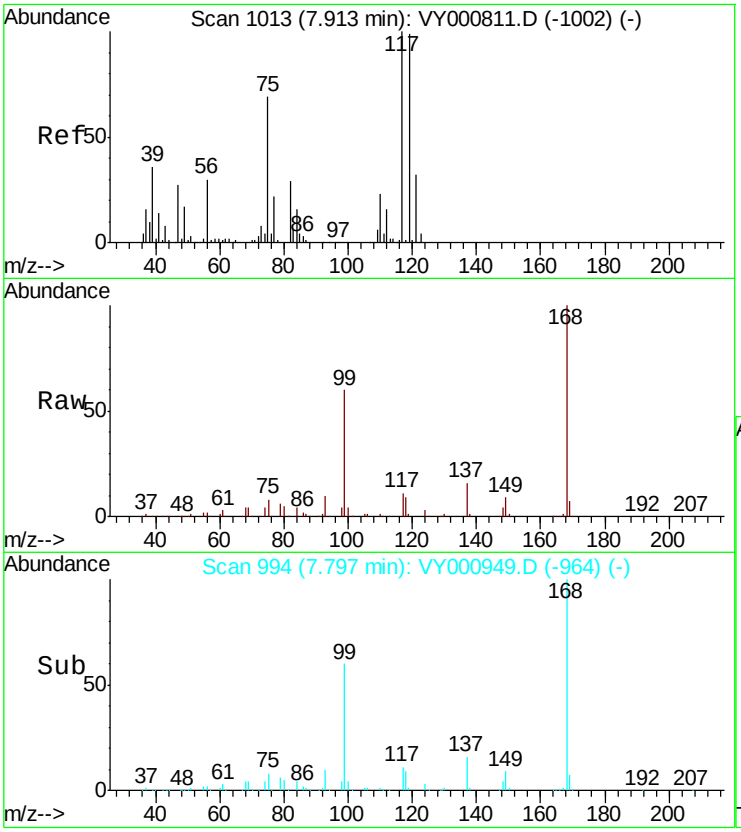




#37
Ethyl Acetate
Concen: 1.134 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.09 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 43 Resp: 3118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 1.4 | 11.8 | 17.8# |
| 70 | 0.0 | 8.7 | 13.1# |



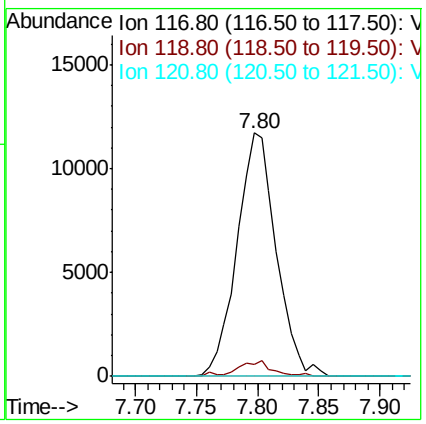


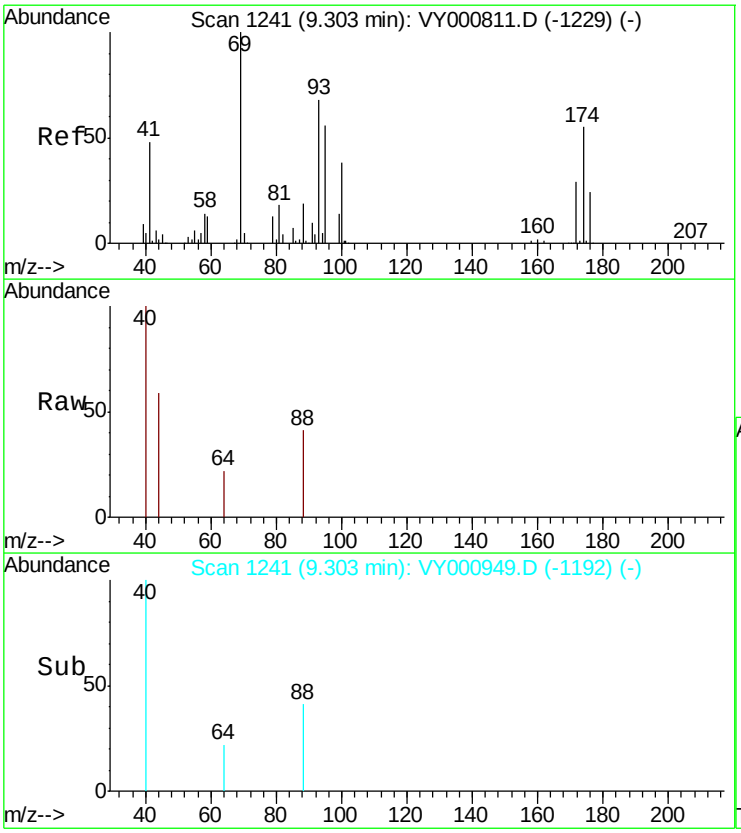

#38
Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Tgt Ion:117 Resp: 26057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.8 | 79.3 | 118.9# |
| 121 | 0.0 | 25.5 | 38.3# |

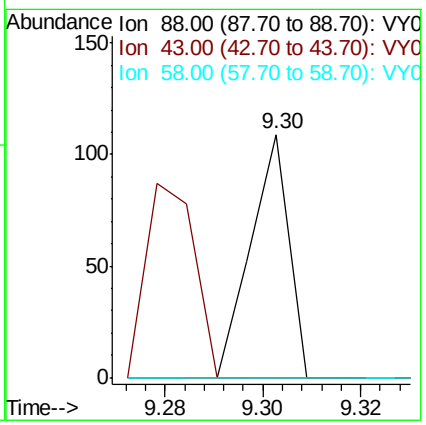


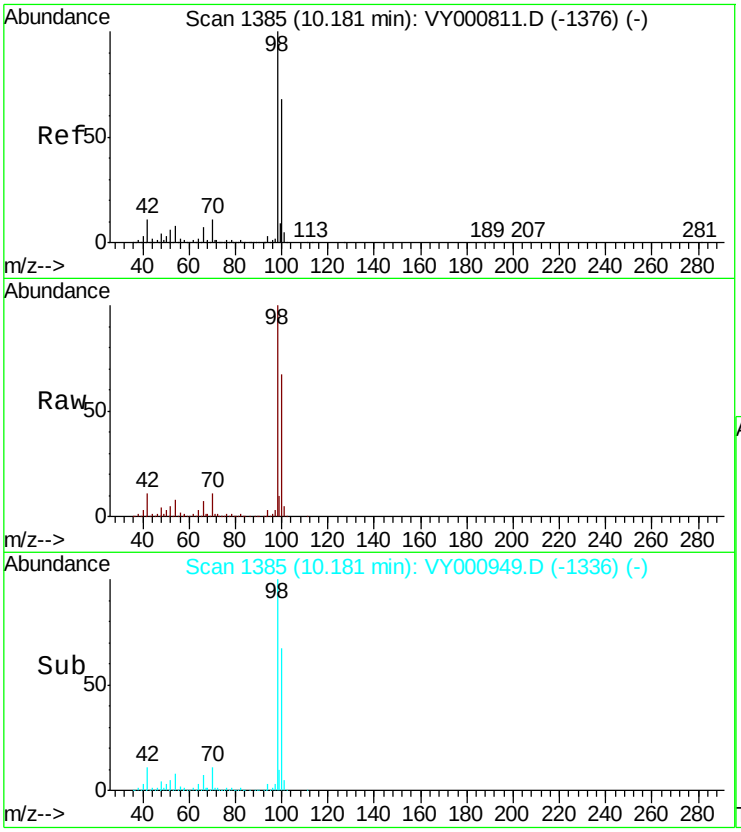




#49
1,4-Dioxane
Concen: 2.287 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 88 Resp: 59

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 21.1 | 31.7# |
| 58 | 0.0 | 50.7 | 76.1# |



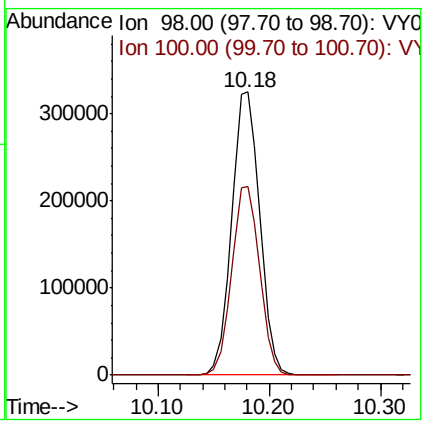


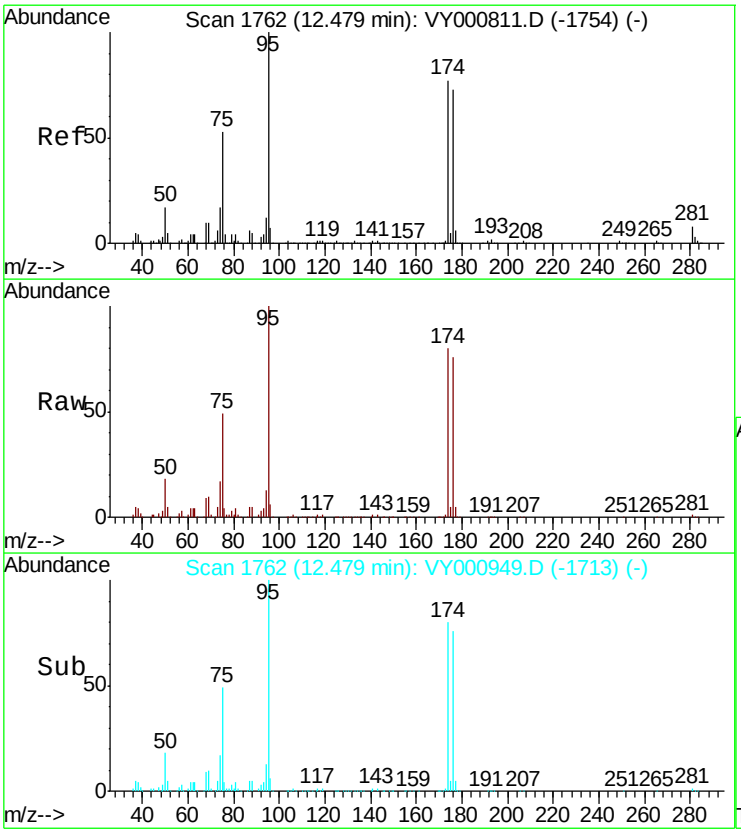

#50
Toluene-d8
Concen: 50.606 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :** MSVOA_Y
**ClientSampleId :** OK-03-121219

Tgt Ion: 98 Resp: 564722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.1 | 79.7 |

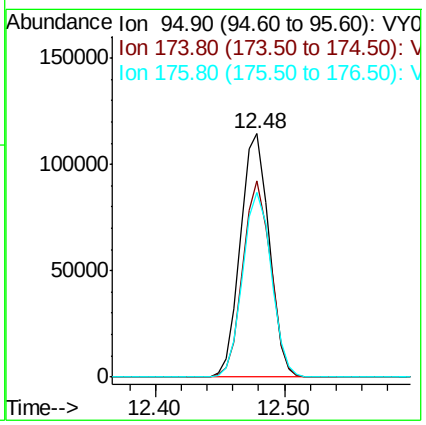


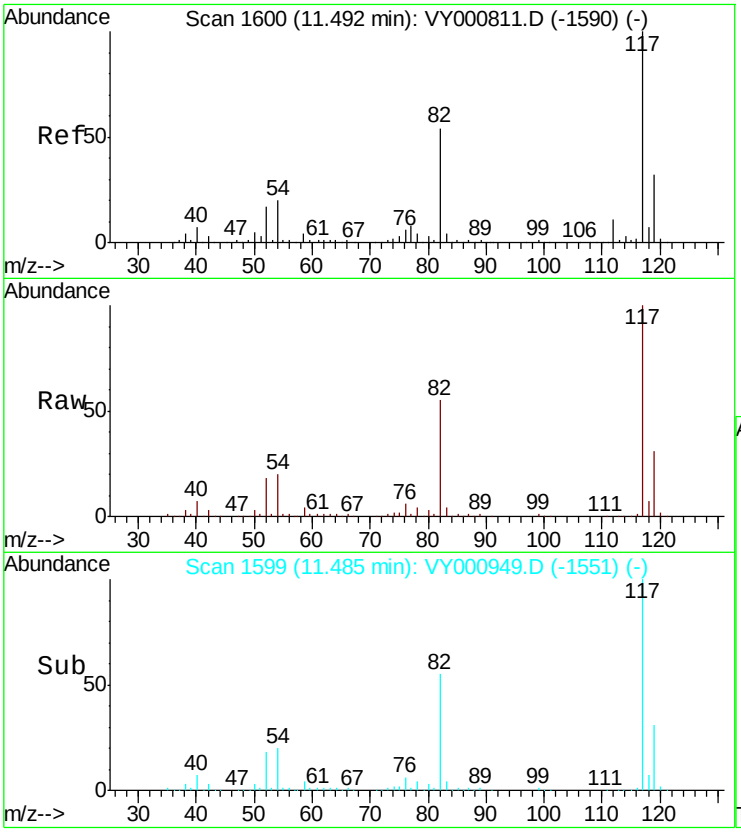




#62
4-Bromofluorobenzene
Concen: 41.966 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 95 Resp: 175874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.2 | 0.0 | 150.6 |
| 176 | 75.8 | 0.0 | 145.2 |



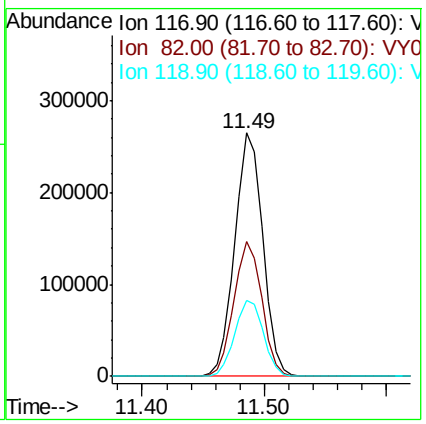


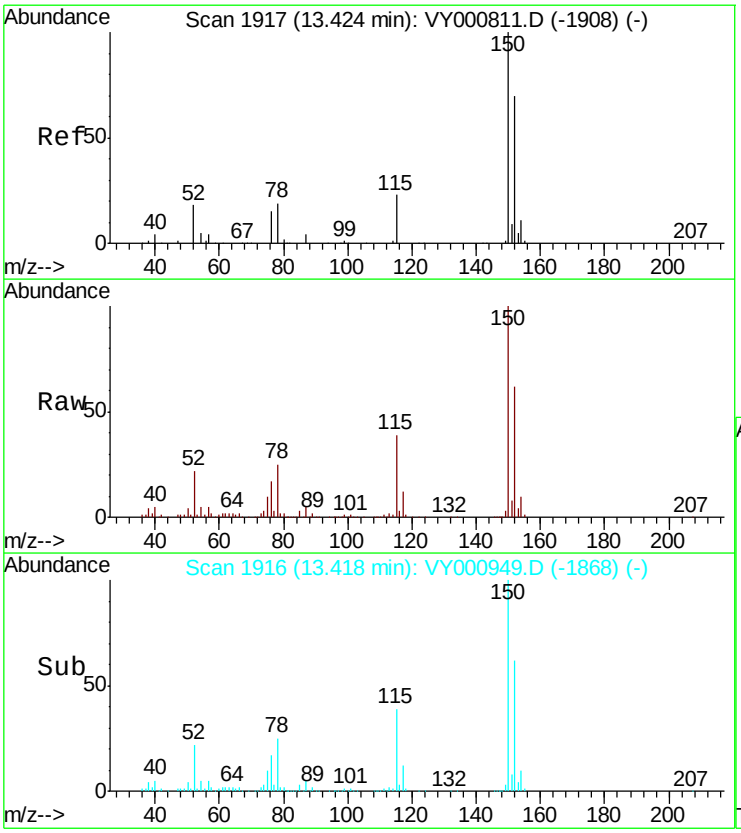

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :** MSVOA_Y
**ClientSampleId :** OK-03-121219

Tgt Ion:117 Resp: 420178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 43.1 | 64.7 |
| 119 | 31.2 | 25.3 | 37.9 |

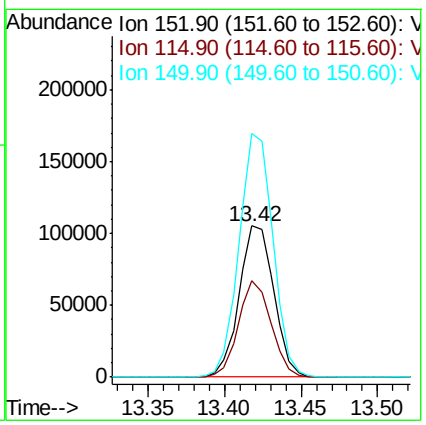


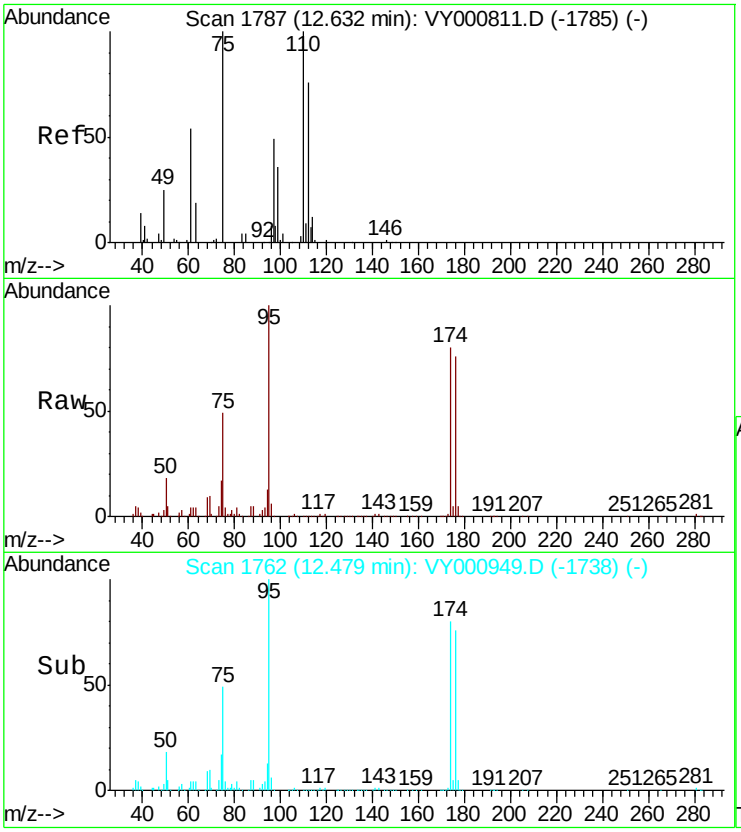




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion:152 Resp: 165756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.0 | 29.3 | 87.8 |
| 150 | 157.4 | 0.0 | 351.2 |



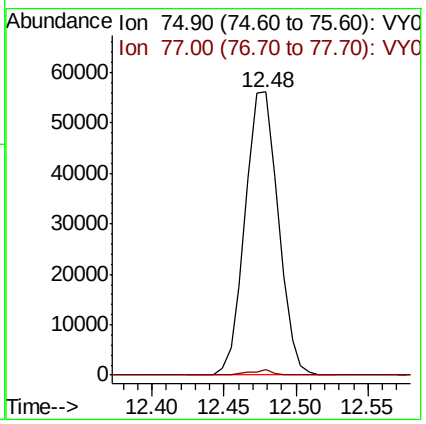


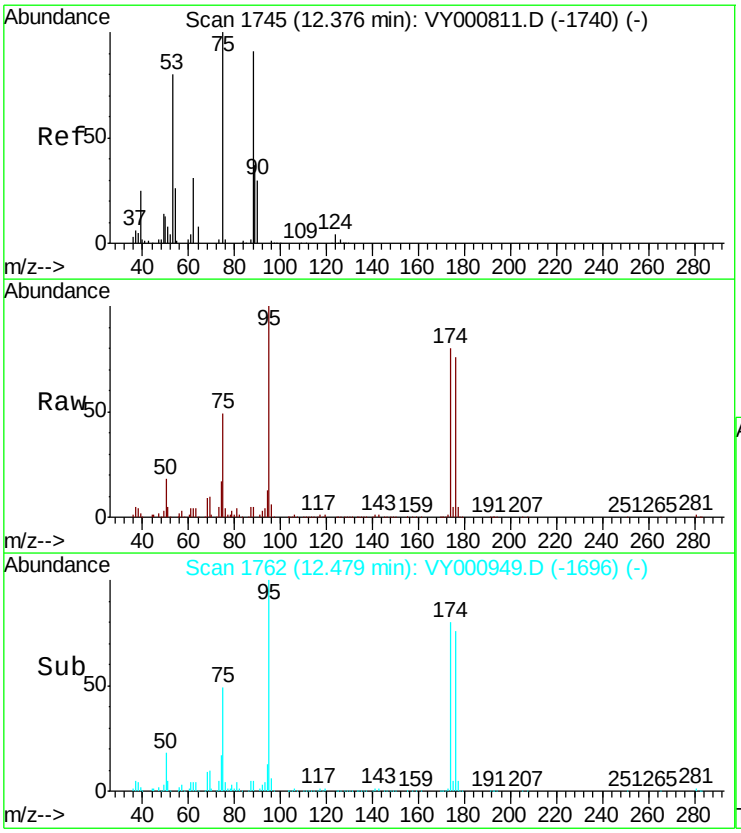

#76
1,2,3-Trichloropropane
Concen: 47.553 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

**Instrument :**
MSVOA_Y
**ClientSampleId :**
OK-03-121219

Tgt Ion: 75 Resp: 89305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 93.408 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000949.D
Acq: 16 Dec 2019 12:36

Tgt Ion: 75 Resp: 89305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 64.6 | 96.8# |
| 89 | 0.1 | 33.6 | 50.4# |