Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102319\
Data File : VY000377.D
Acq On : 23 Oct 2019 13:32
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :**

Quant Time: Oct 24 04:43:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 251425 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.70 | 114 | 420088 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 358741 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 154192 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 138802 | 52.34 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.68% | | | |
| 35) Dibromofluoromethane | 7.73 | 113 | 120156 | 47.42 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 94.84% | | | |
| 50) Toluene-d8 | 10.18 | 98 | 486861 | 49.95 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.90% | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 157179 | 42.44 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 84.88% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.90 | 85 | 42 | Below Cal | # | 41 |
| 10) Methyl Iodide | 4.11 | 142 | 214 | 1.243 | ug/l # | 58 |
| 11) Tert butyl alcohol | 4.95 | 59 | 461 | 1.661 | ug/l # | 73 |
| 16) Acetone | 3.97 | 43 | 2536 | 2.953 | ug/l # | 87 |
| 20) Methylene Chloride | 4.72 | 84 | 5714 | Below Cal | | 97 |
| 25) 2-Butanone | 7.00 | 43 | 4103 | 3.391 | ug/l | 90 |
| 31) Cyclohexane | 7.80 | 56 | 5782 | 1.140 | ug/l # | 59 |
| 36) 1,1-Dichloropropene | 7.80 | 75 | 19741 | 4.800 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 7.80 | 117 | 23710 | 5.954 | ug/l # | 19 |
| 49) 1,4-Dioxane | 9.28 | 88 | 58 | 2.372 | ug/l # | 36 |
| 51) 4-Methyl-2-Pentanone | 10.07 | 43 | 6494 | 2.719 | ug/l | 95 |
| 59) 2-Hexanone | 10.84 | 43 | 7371 | 4.397 | ug/l | 99 |
| 74) N-amyl acetate | 12.14 | 43 | 3376 | 1.144 | ug/l # | 92 |
| 76) 1,2,3-Trichloropropane | 12.48 | 75 | 83593 | 44.088 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75 | 83593 | 96.464 | ug/l # | 14 |
| 95) Naphthalene | 15.23 | 128 | 17064 | 2.302 | ug/l | 98 |

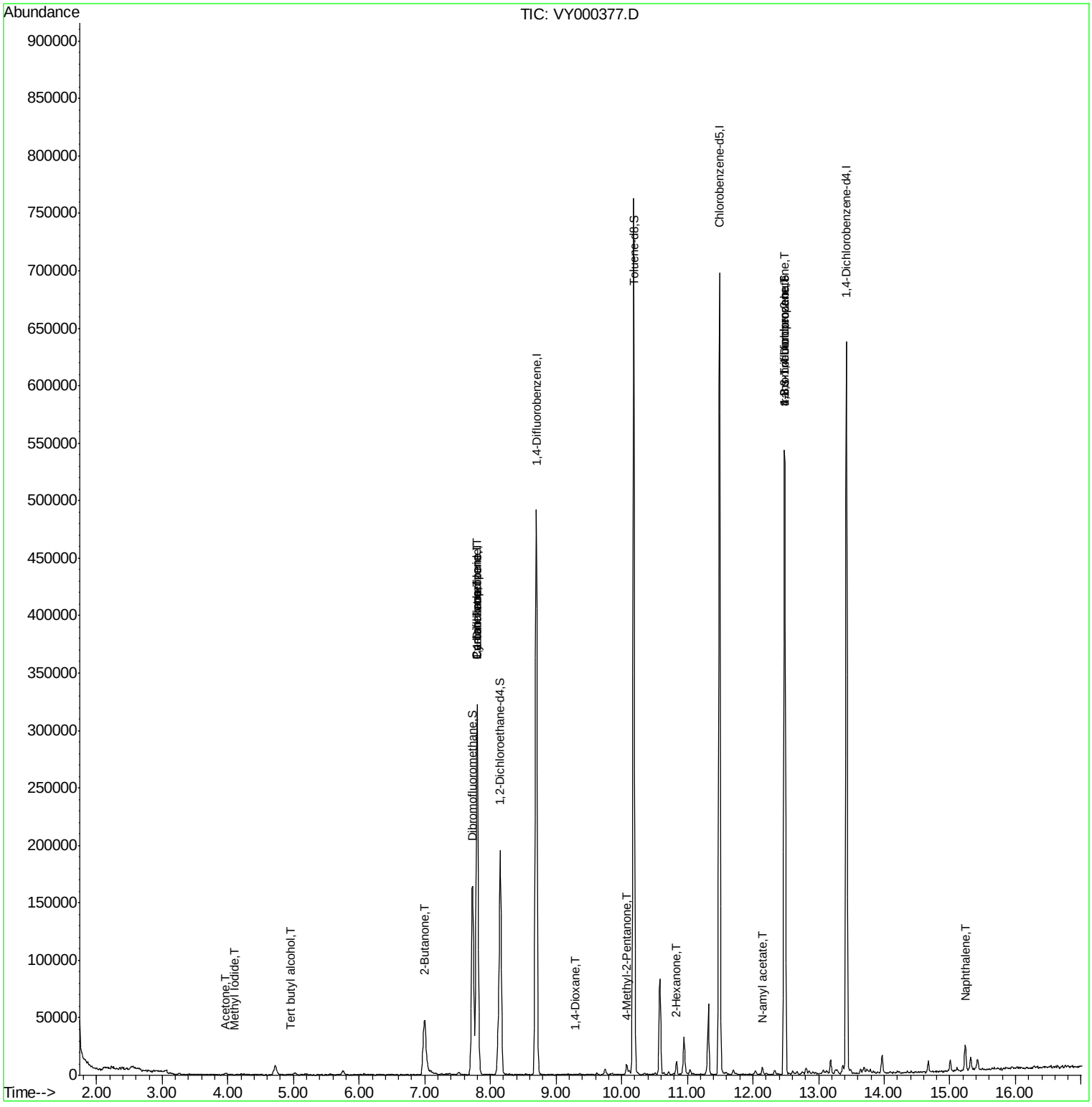
(#) = qualifier out of range (m) = manual integration (+) = signals summed

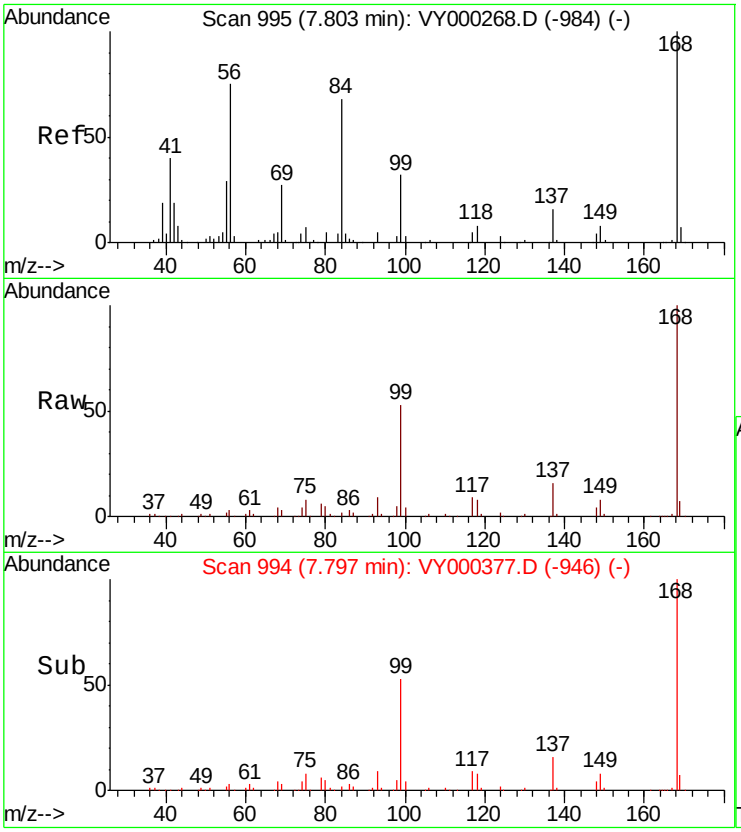
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY102319\
Data File : VY000377.D
Acq On : 23 Oct 2019 13:32
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_Y
**ClientSampleId :**

Quant Time: Oct 24 04:43:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration



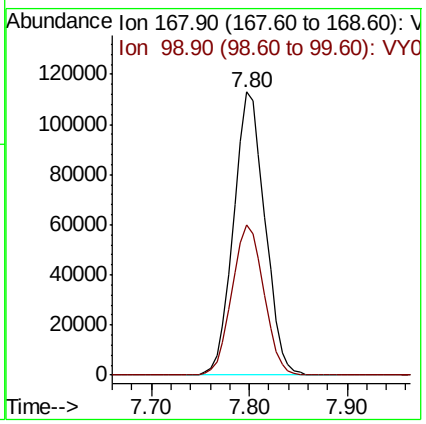


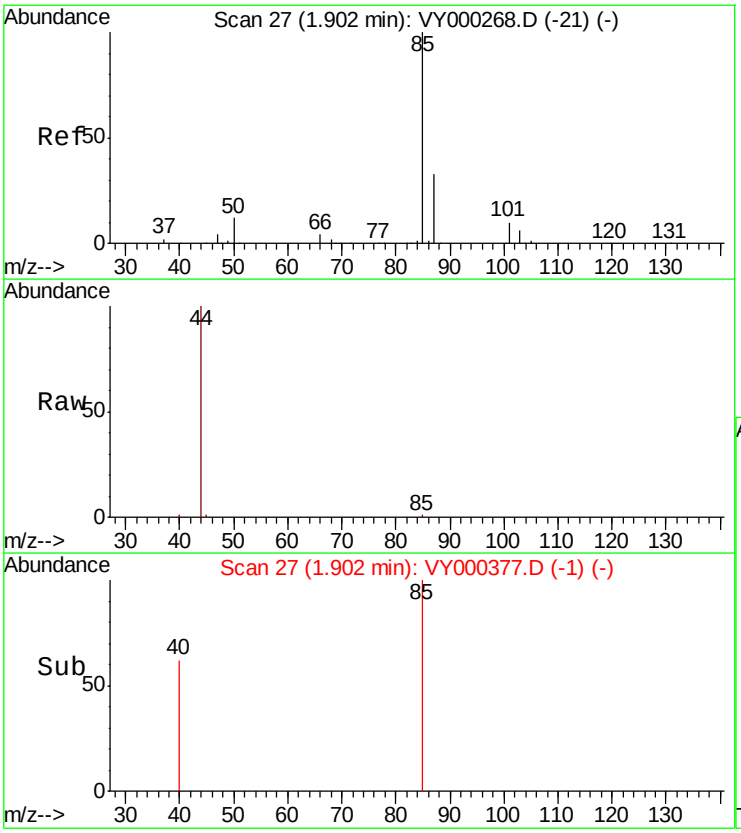

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion:168 Resp: 251425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 53.1 | 46.6 | 69.8 |

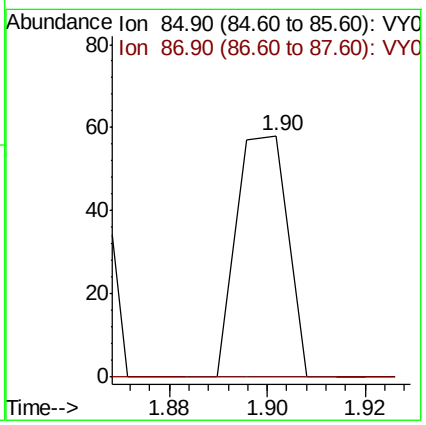


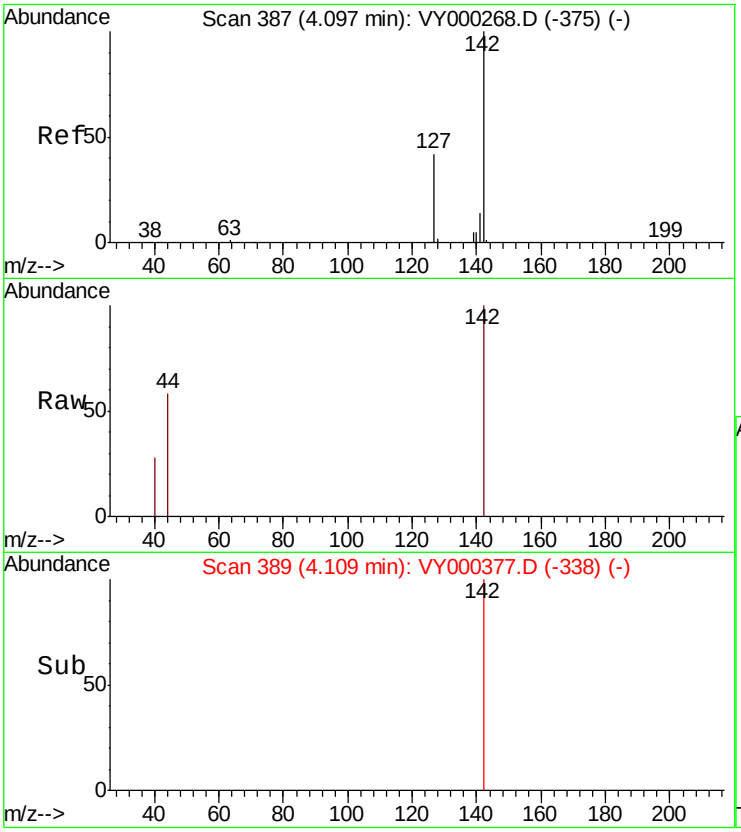




#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 85 Resp: 42

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 0.0 | 16.6 | 49.8# |



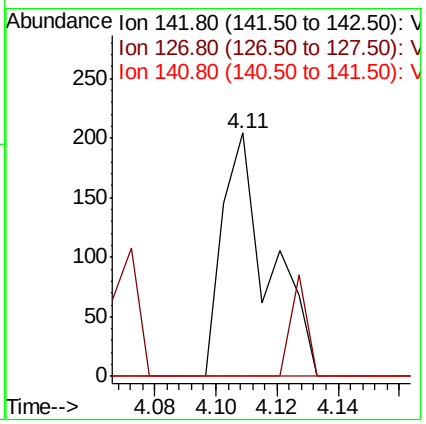


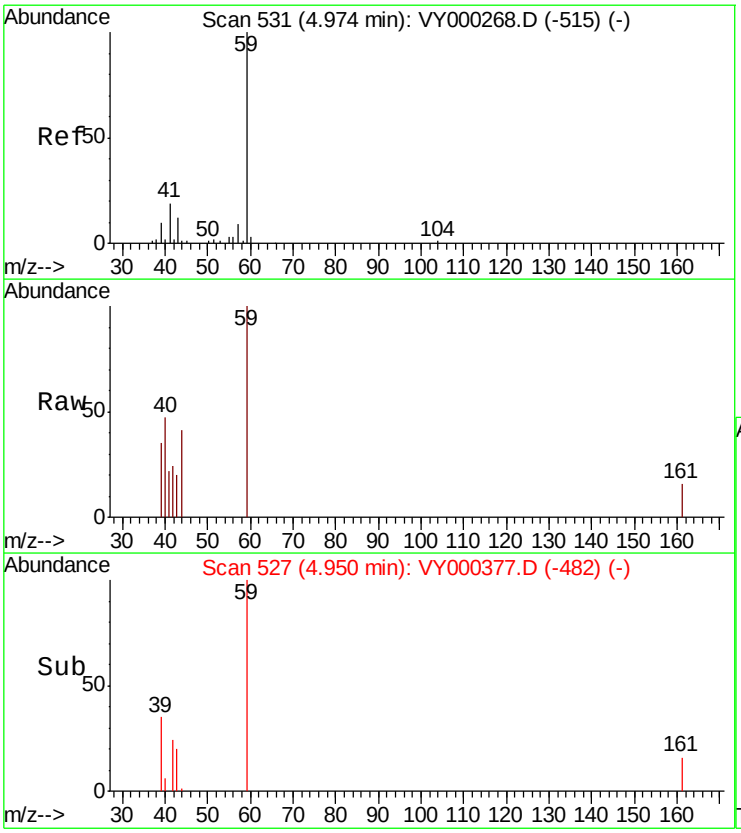

#10
Methyl Iodide
Concen: 1.243 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:142 Resp: 214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 14.5 | 33.9 | 50.9# |
| 141 | 0.0 | 11.2 | 16.8# |

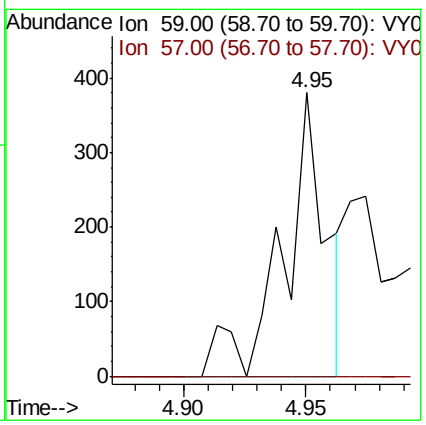


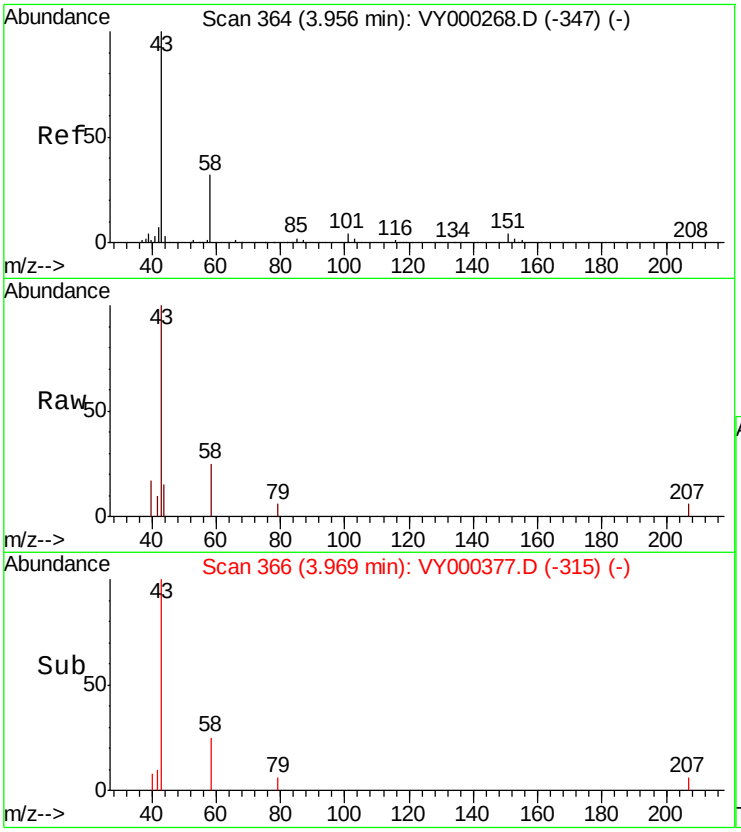




#11
Tert butyl alcohol
Concen: 1.661 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.02 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 59 Resp: 461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.2# |



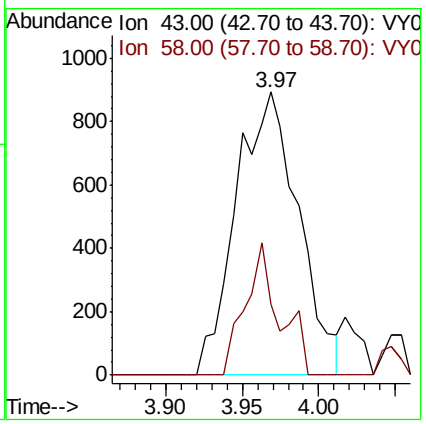


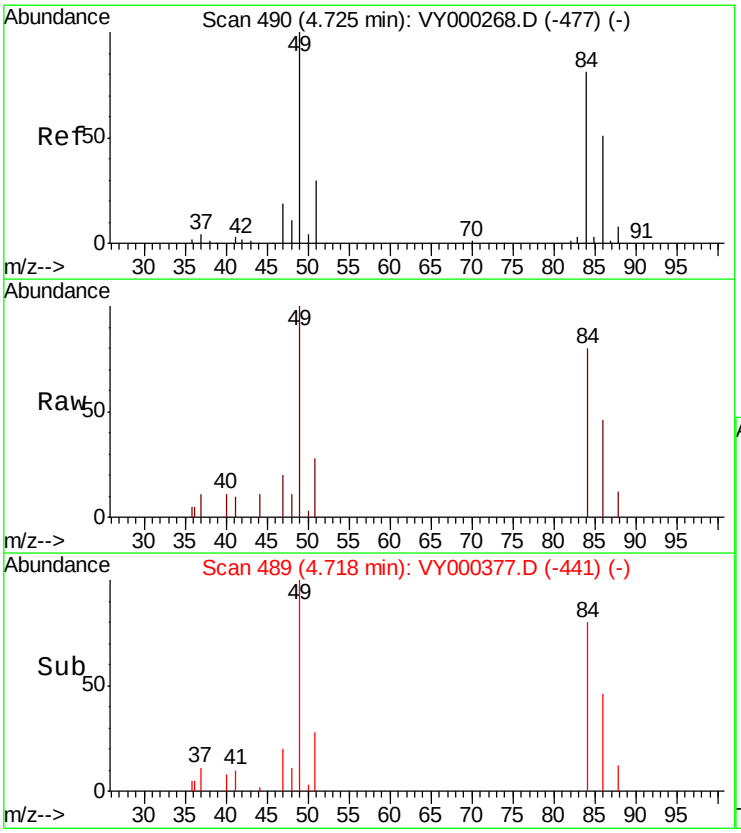

#16
Acetone
Concen: 2.953 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 2536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.1 | 25.8 | 38.6# |

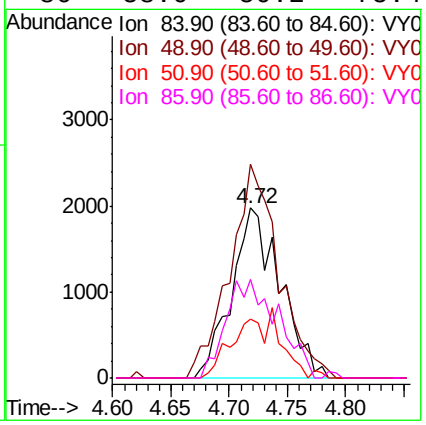


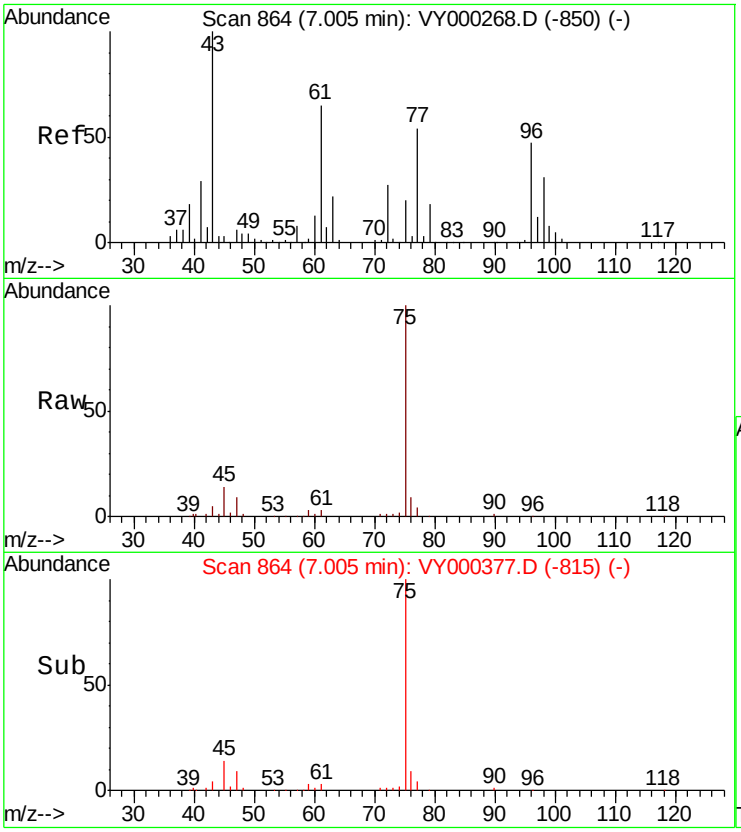




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 84 Resp: 5714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.7 | 99.0 | 148.4 |
| 51 | 34.9 | 29.3 | 43.9 |
| 86 | 58.0 | 50.2 | 75.4 |



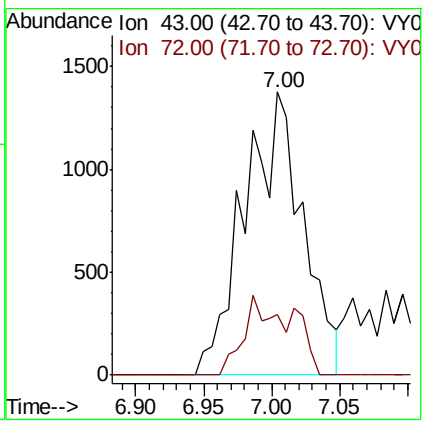


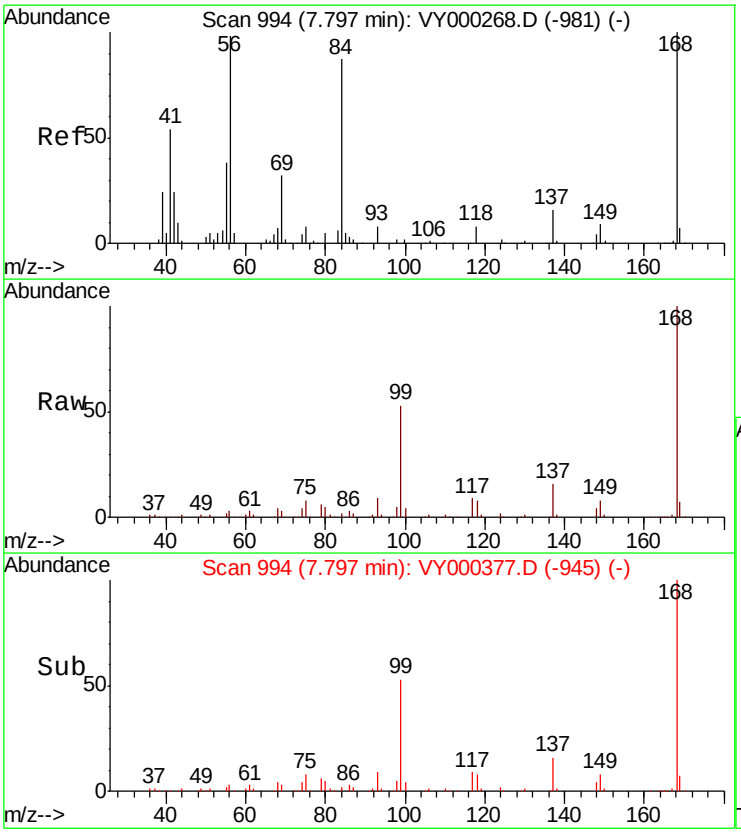

#25
2-Butanone
Concen: 3.391 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 4103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.6 | 21.4 | 32.2 |

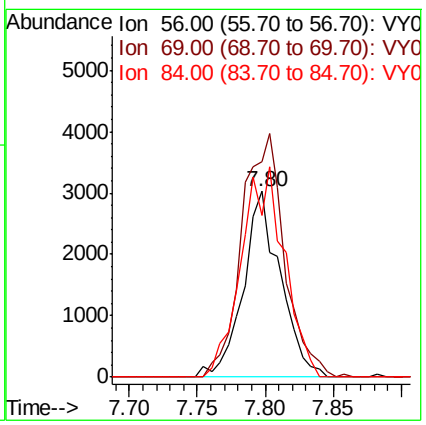


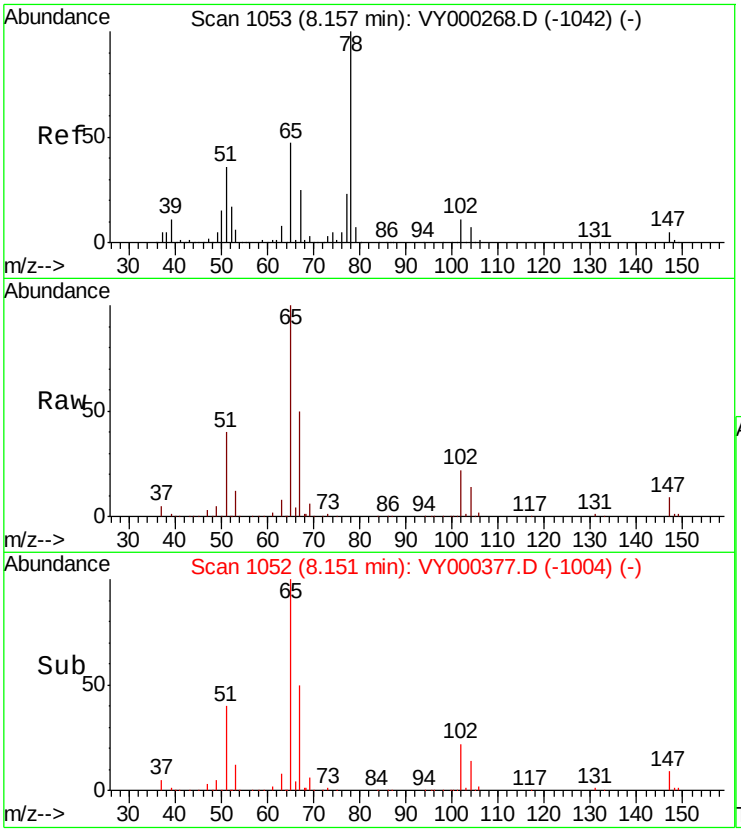




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 56 Resp: 5782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 116.4 | 26.3 | 39.5# |
| 84 | 87.4 | 70.8 | 106.2 |



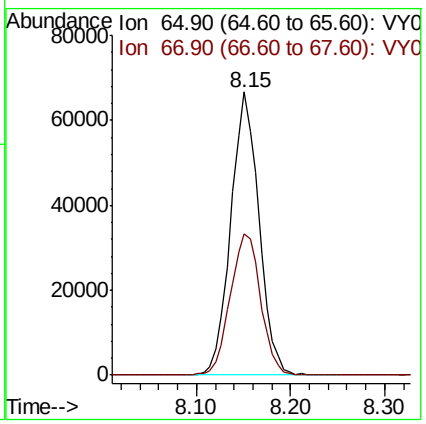


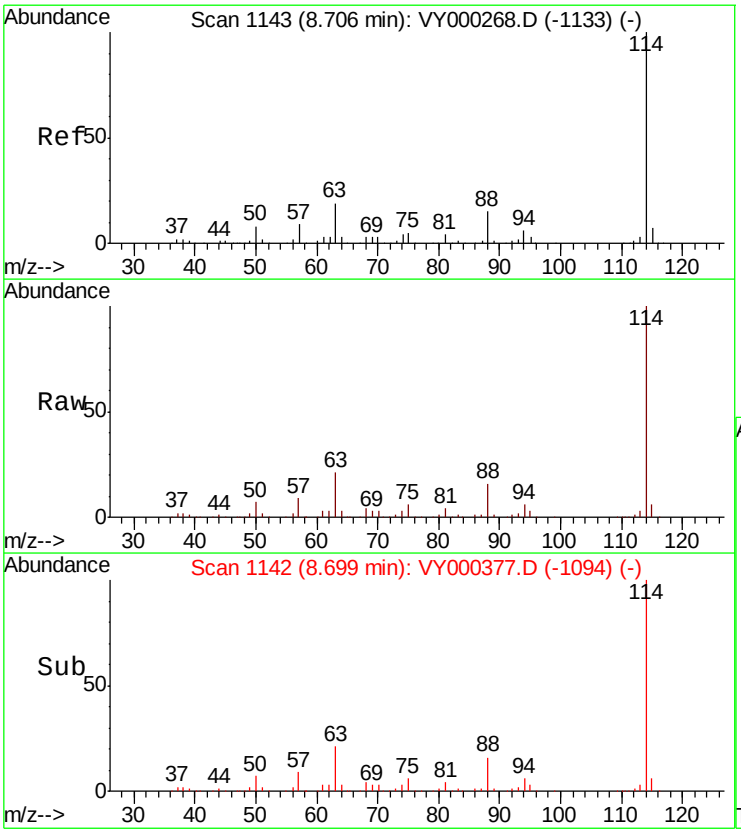

#33
1,2-Dichloroethane-d4
Concen: 52.336 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 65 Resp: 138802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.8 | 0.0 | 109.4 |

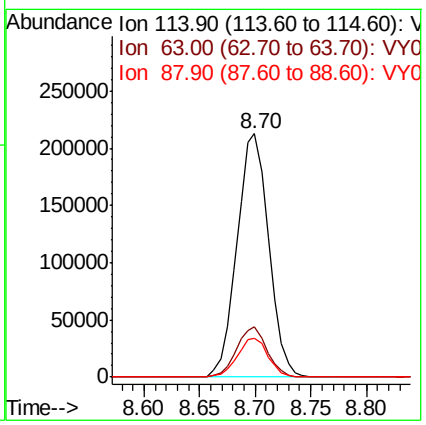


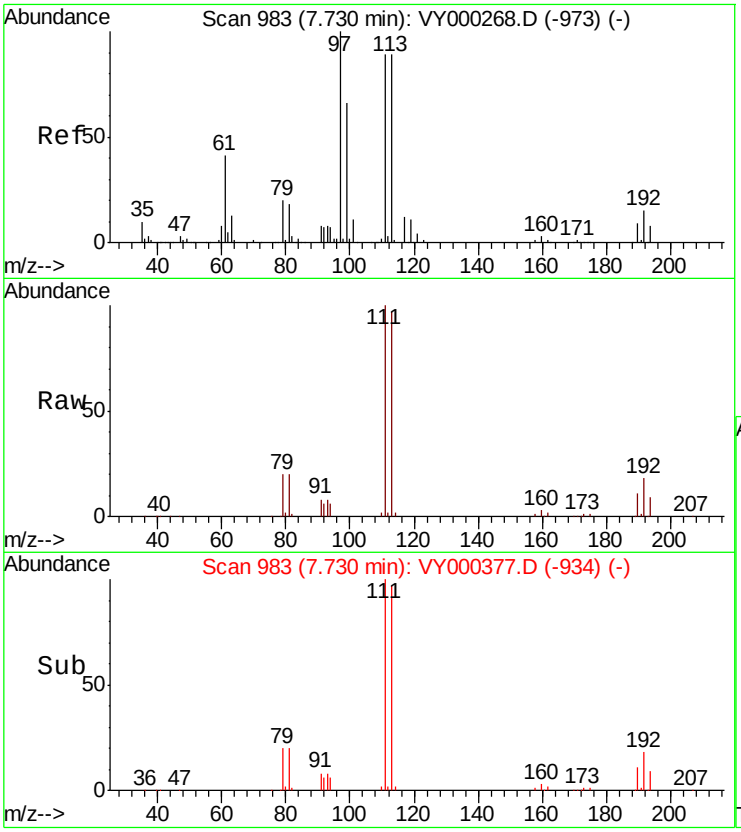




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion:114 Resp: 420088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 37.2 |
| 88 | 16.1 | 0.0 | 30.2 |



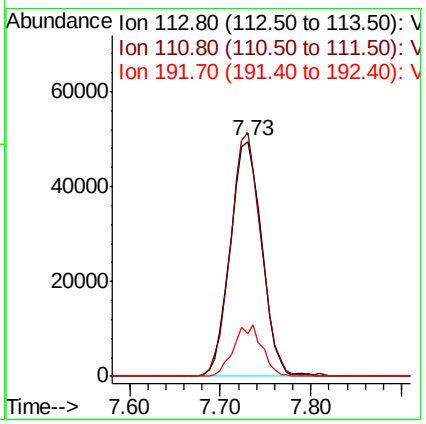


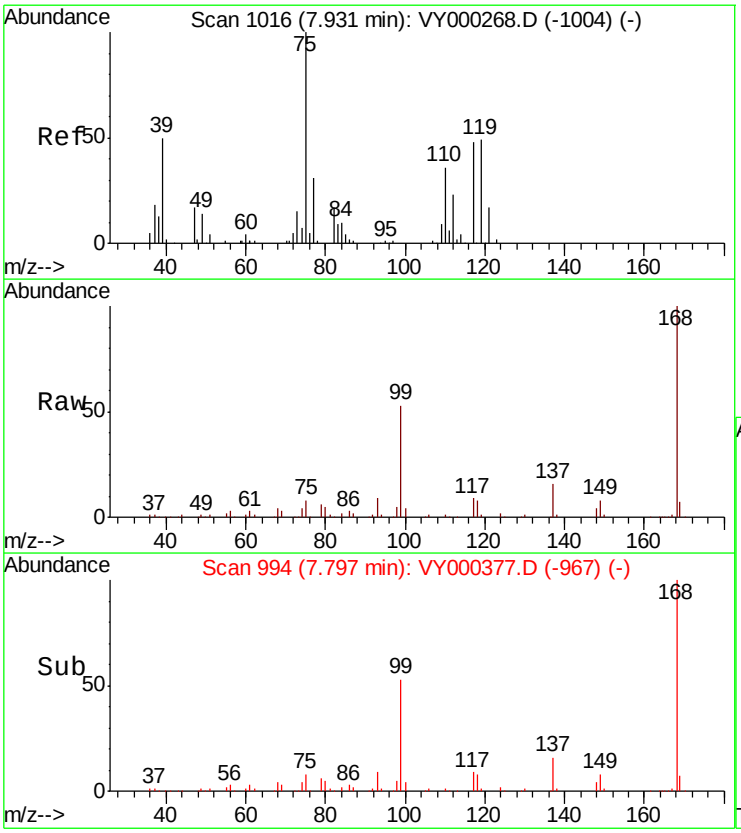

#35
Dibromofluoromethane
Concen: 47.417 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:113 Resp: 120156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.3 | 81.6 | 122.4 |
| 192 | 19.7 | 15.3 | 22.9 |

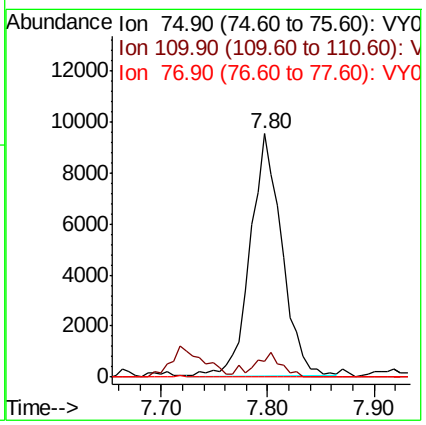


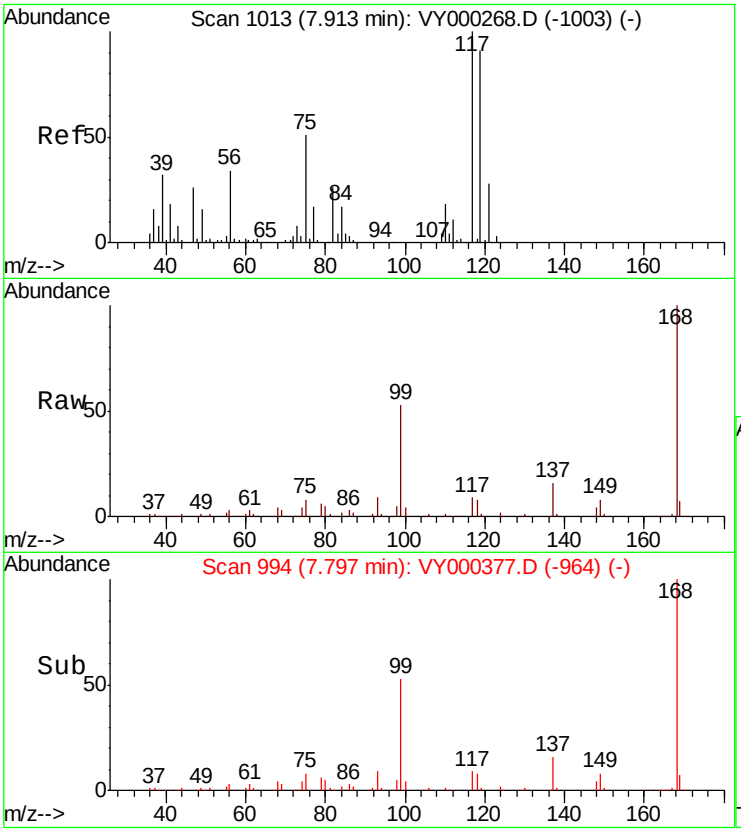




#36
1,1-Dichloropropene
Concen: 4.800 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 75 Resp: 19741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.7 | 18.4 | 55.4# |
| 77 | 0.0 | 25.0 | 37.6# |



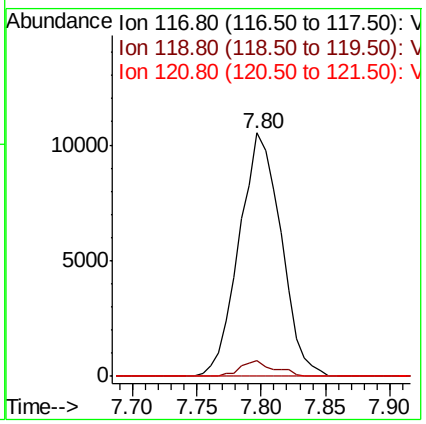


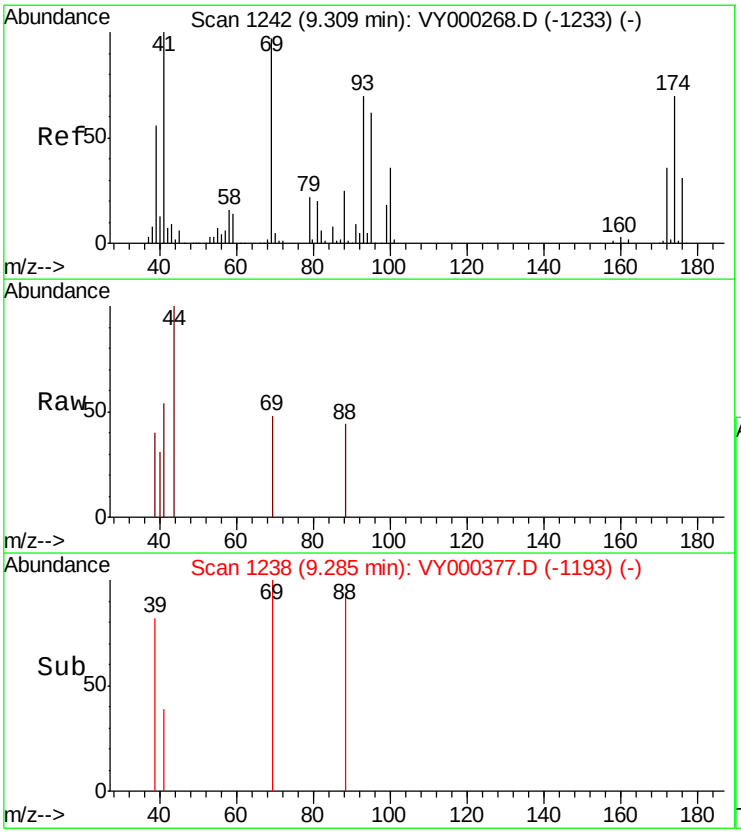

#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:117 Resp: 23710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.7 | 72.8 | 109.2# |
| 121 | 0.0 | 22.2 | 33.2# |

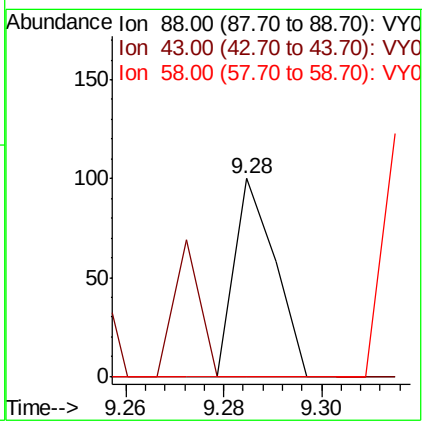


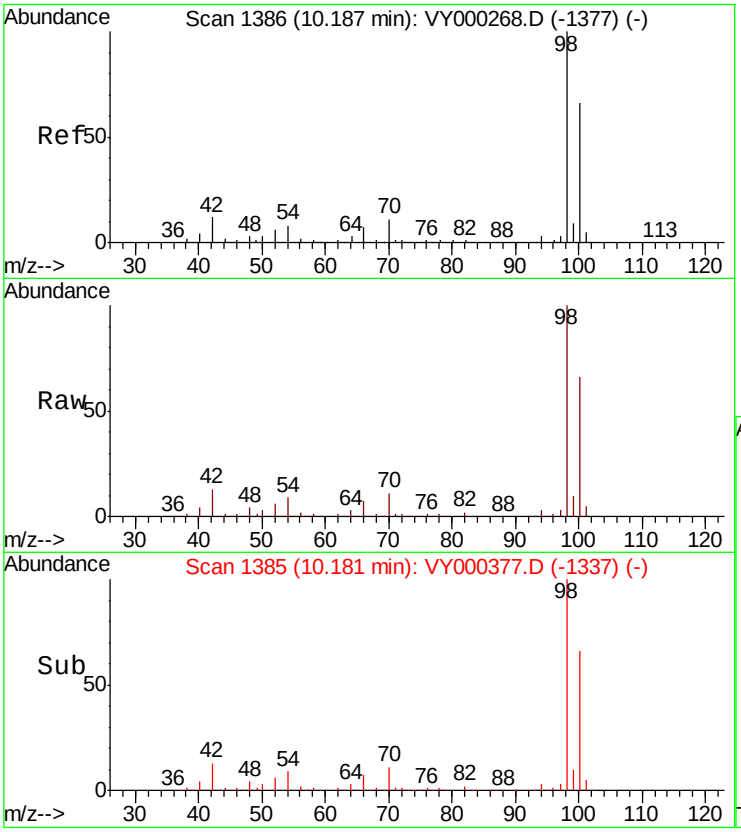




#49
1,4-Dioxane
Concen: 2.372 ug/l
RT: 9.28 min Scan# 1238
Delta R.T. -0.02 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 88 Resp: 58

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.1 | 25.6 | 38.4# |
| 58 | 0.0 | 54.6 | 81.8# |



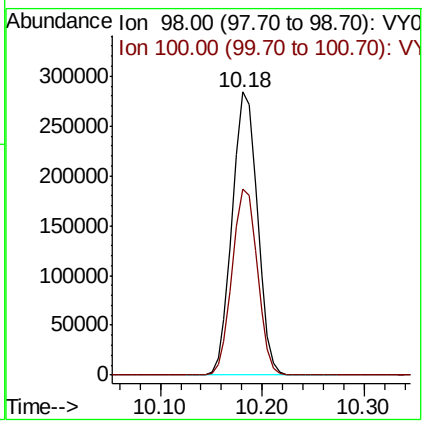


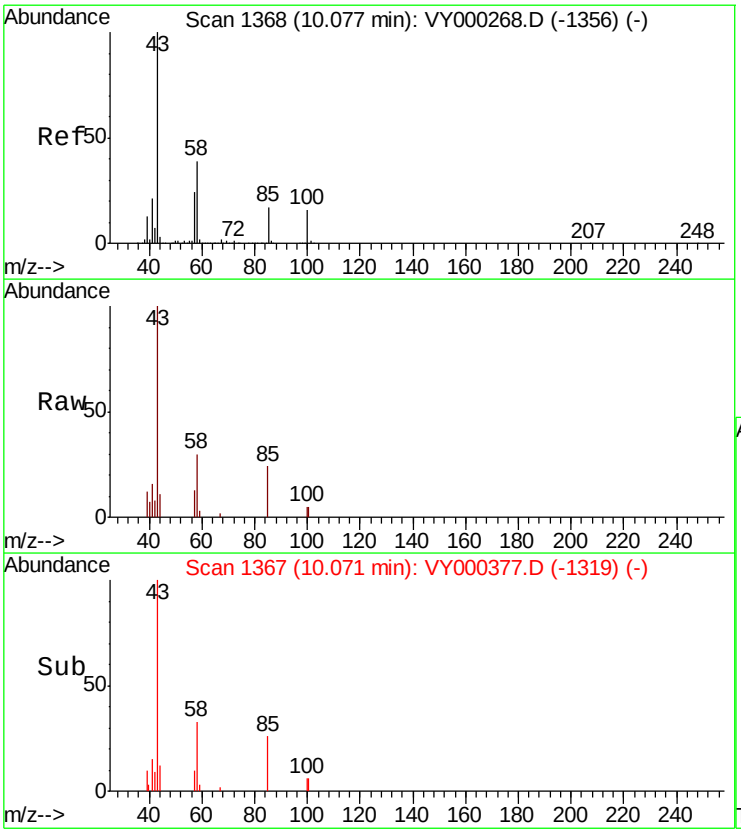

#50
Toluene-d8
Concen: 49.946 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 98 Resp: 486861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.5 | 52.8 | 79.2 |

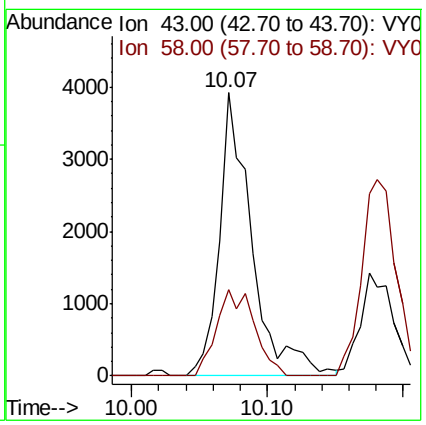


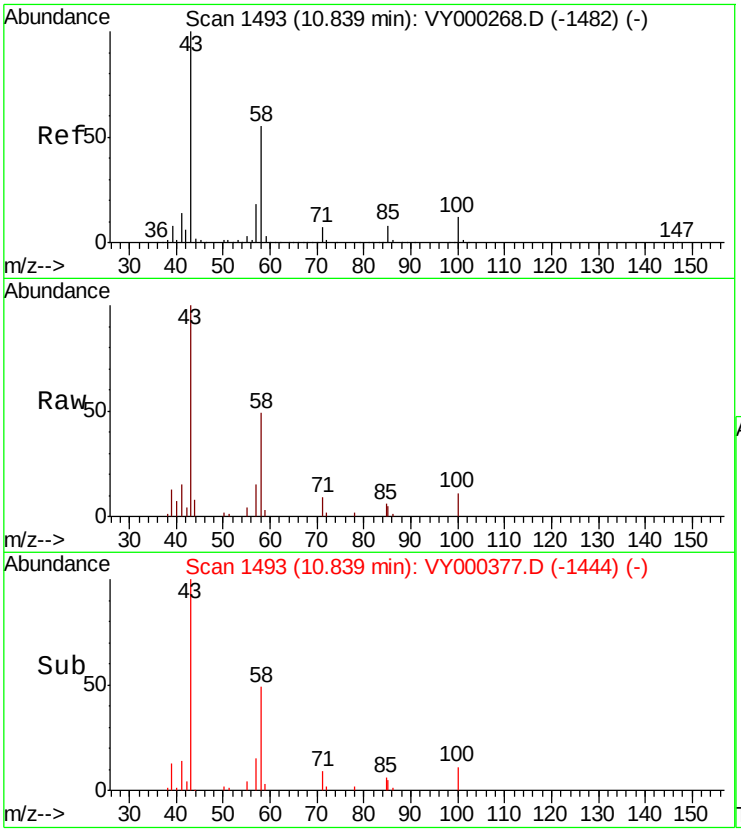




#51
4-Methyl-2-Pentanone
Concen: 2.719 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 43 Resp: 6494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.5 | 31.0 | 46.6 |



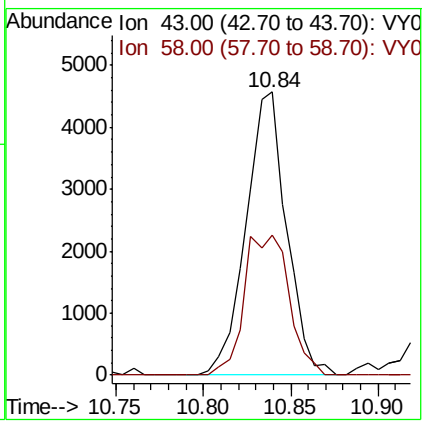


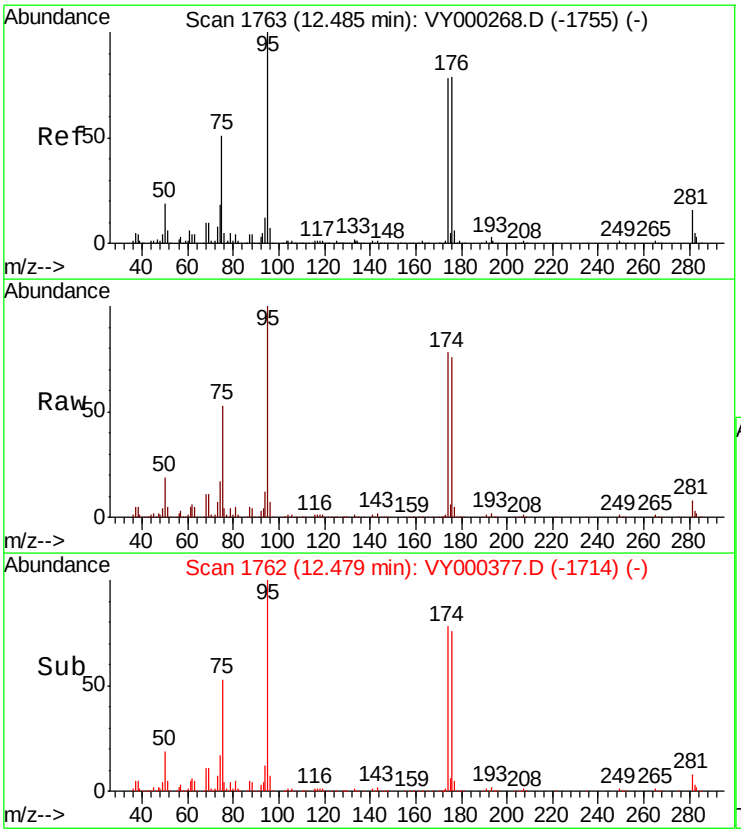

#59
2-Hexanone
Concen: 4.397 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 7371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.6 | 27.7 | 83.1 |

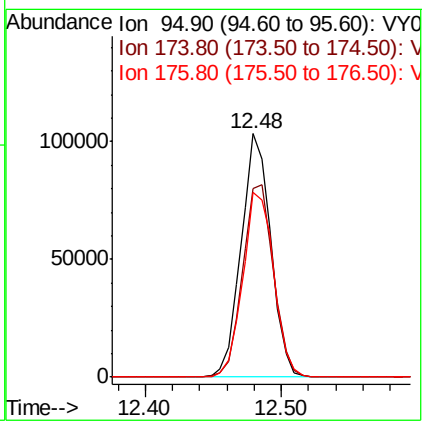


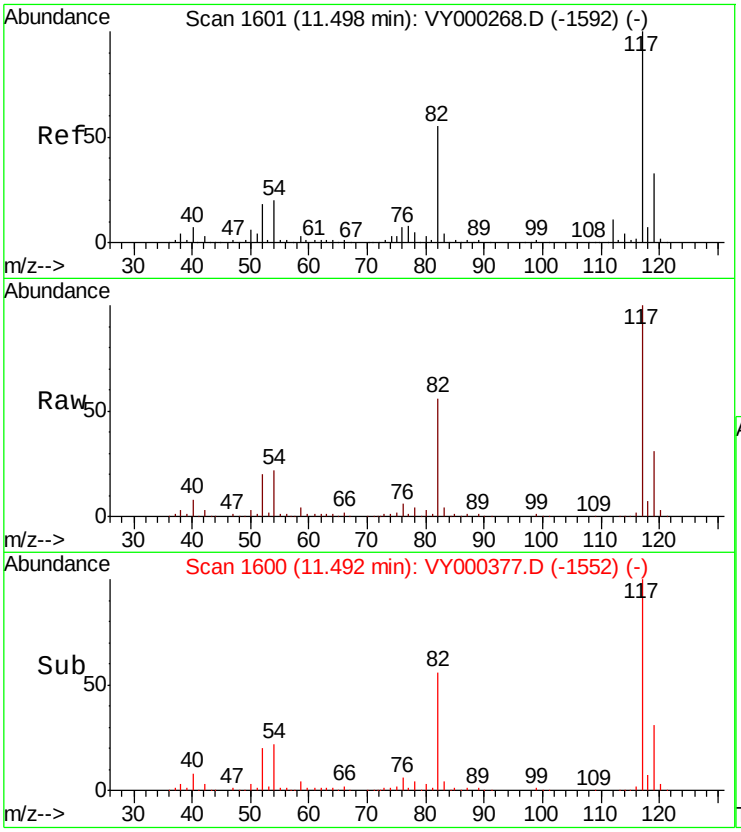




#62
4-Bromofluorobenzene
Concen: 42.444 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 95 Resp: 157179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.5 | 0.0 | 159.6 |
| 176 | 79.5 | 0.0 | 153.8 |



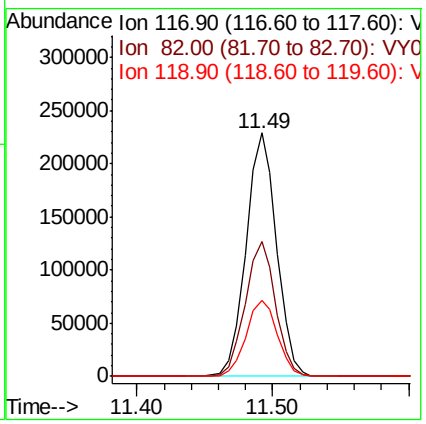


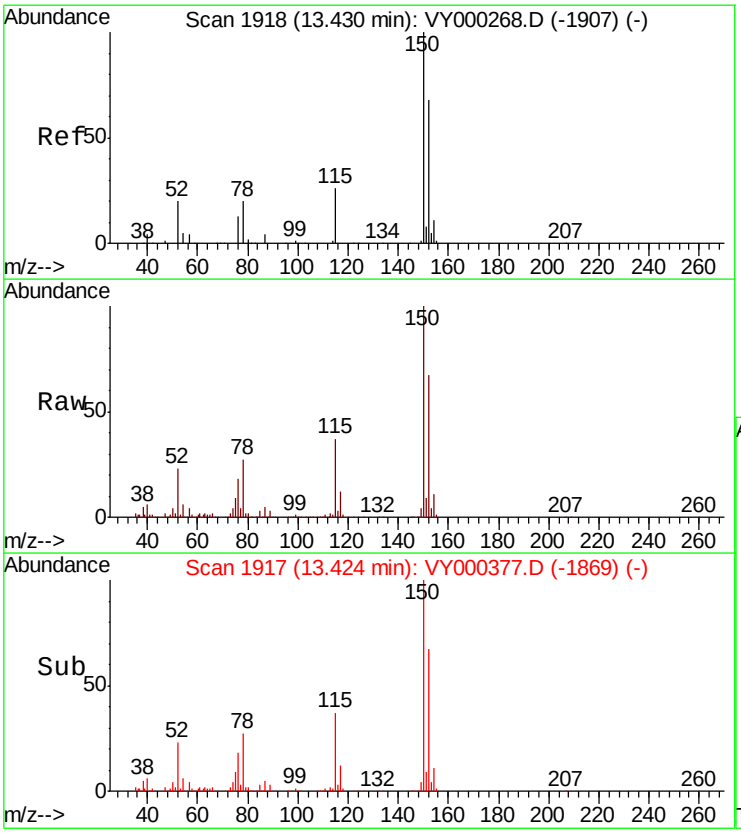

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion:117 Resp: 358741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 43.7 | 65.5 |
| 119 | 31.3 | 26.6 | 39.8 |

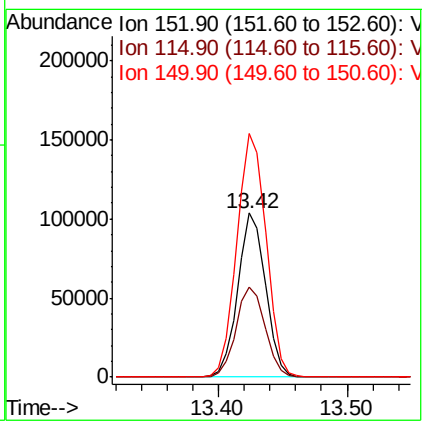


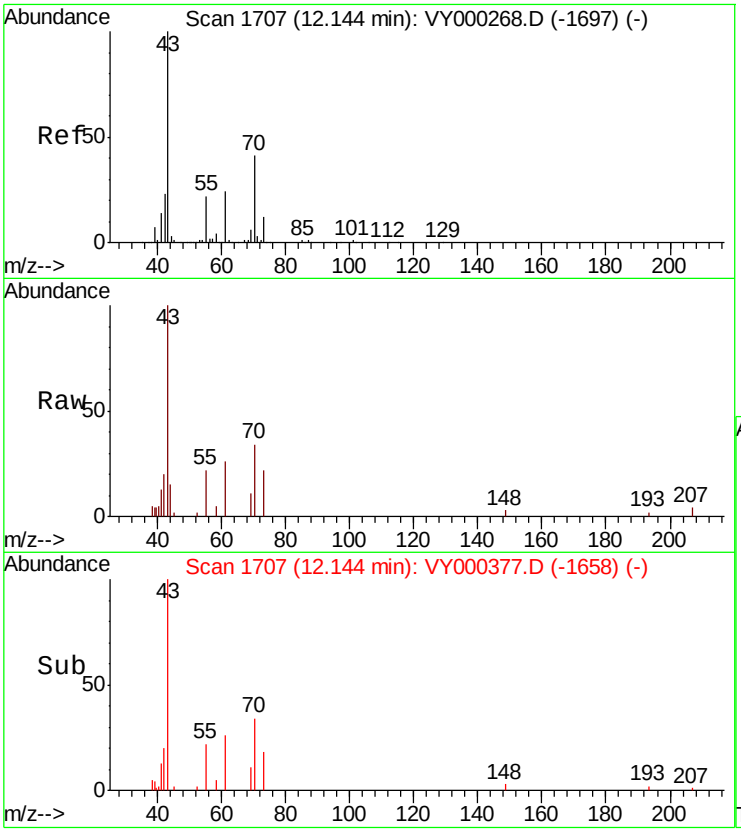




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion:152 Resp: 154192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 57.5 | 29.3 | 88.0 |
| 150 | 156.2 | 0.0 | 348.4 |



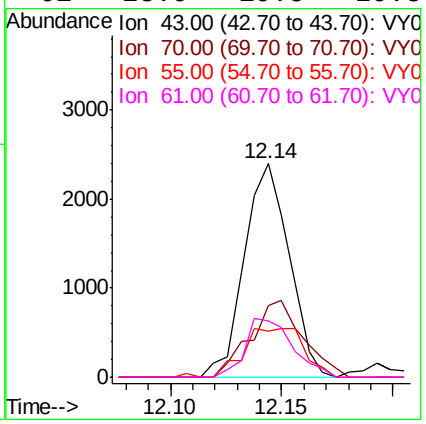


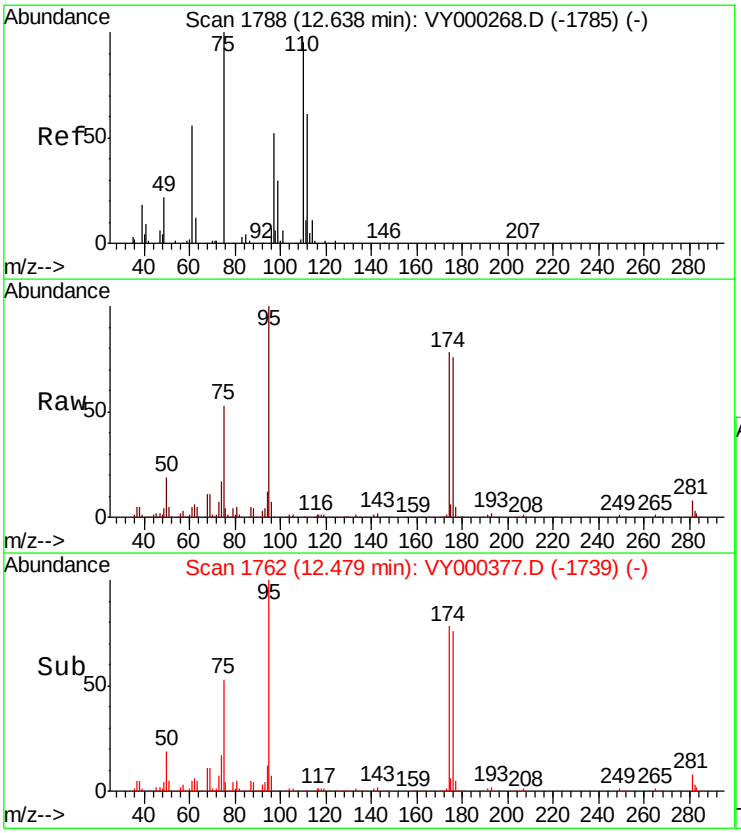

#74
N-amyl acetate
Concen: 1.144 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :** MSVOA_Y
**ClientSampleId :**

Tgt Ion: 43 Resp: 3376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 42.0 | 32.9 | 49.3 |
| 55 | 31.2 | 17.8 | 26.6# |
| 61 | 28.9 | 19.5 | 29.3 |

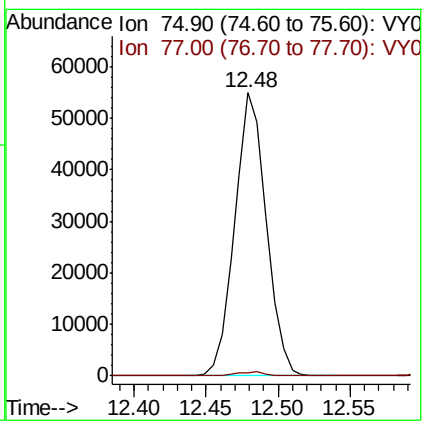


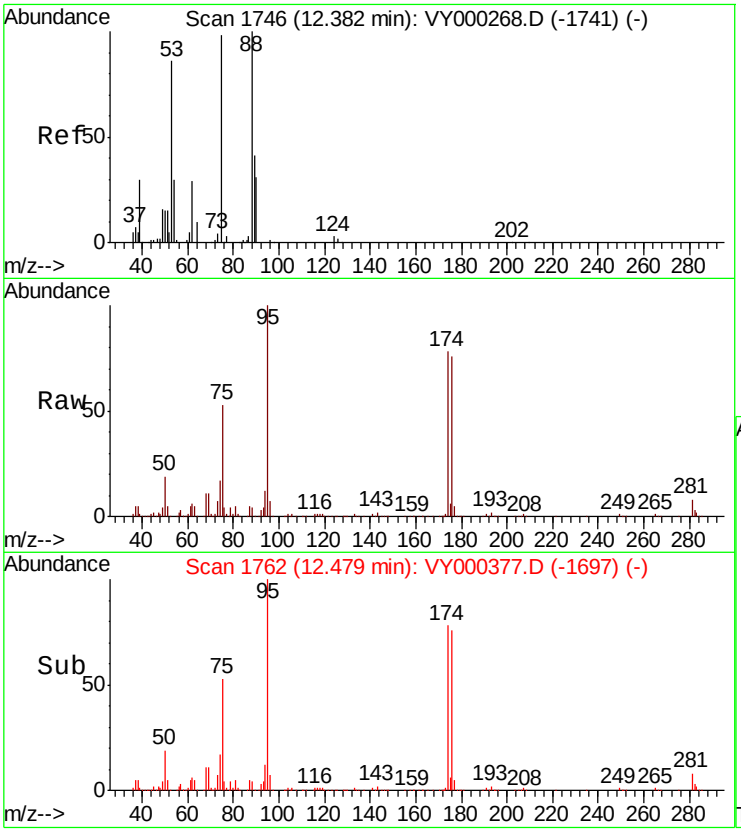




#76
1,2,3-Trichloropropane
Concen: 44.088 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion: 75 Resp: 83593

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



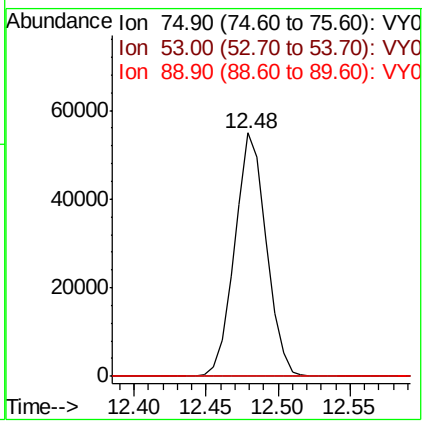


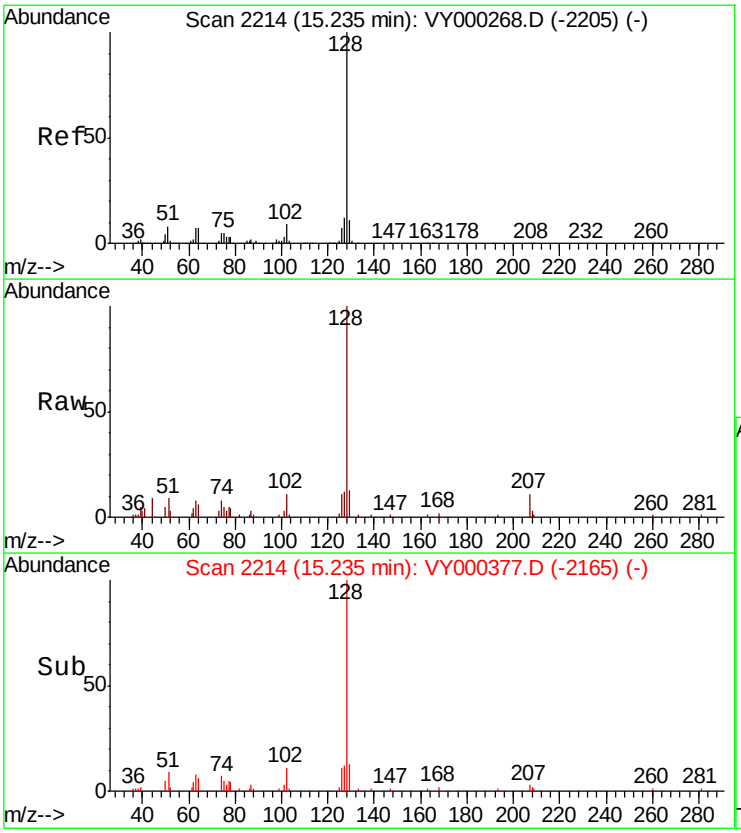

#81
trans-1,4-Dichloro-2-butene
Concen: 96.464 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

**Instrument :**
MSVOA_Y
**ClientSampleId :**

Tgt Ion: 75 Resp: 83593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 71.3 | 106.9# |
| 89 | 0.1 | 35.1 | 52.7# |




#95
Naphthalene
Concen: 2.302 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000377.D
Acq: 23 Oct 2019 13:32

Tgt Ion:128 Resp: 17064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.3 | 9.6 | 14.4 |
| 129 | 12.4 | 8.7 | 13.1 |