Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000589.D
Acq On : 07 Nov 2019 18:25
Operator : SY/MD
Sample : K5722-01
Misc : 7.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Nov 08 03:49:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.80 | 168 | 235310 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.70 | 114 | 425680 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.49 | 117 | 375666 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 162764 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.15 | 65 | 141953 | 58.29 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 116.58% | | | | |
| 35) Dibromofluoromethane | 7.73 | 113 | 125417 | 50.19 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.38% | | | | |
| 50) Toluene-d8 | 10.18 | 98 | 499879 | 52.72 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.44% | | | | |
| 62) 4-Bromofluorobenzene | 12.48 | 95 | 169603 | 46.98 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.96% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Diethyl Ether | 3.53 | 74 | 2558 | 1.799 | ug/l | | 97 |
| 10) Methyl Iodide | 4.11 | 142 | 80 | 3.223 | ug/l | # | 41 |
| 11) Tert butyl alcohol | 4.97 | 59 | 434 | 1.831 | ug/l | # | 72 |
| 20) Methylene Chloride | 4.72 | 84 | 16279 | 5.661 | ug/l | | 94 |
| 28) Bromochloromethane | 7.18 | 49 | 20 | 4.102 | ug/l | # | 14 |
| 31) Cyclohexane | 7.80 | 56 | 5281 | 1.120 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 7.80 | 75 | 20314 | 5.048 | ug/l | # | 45 |
| 38) Carbon Tetrachloride | 7.80 | 117 | 23405 | 6.044 | ug/l | # | 16 |
| 76) 1,2,3-Trichloropropane | 12.48 | 75 | 91204 | 49.212 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75 | 91204 | 110.340 | ug/l | # | 13 |

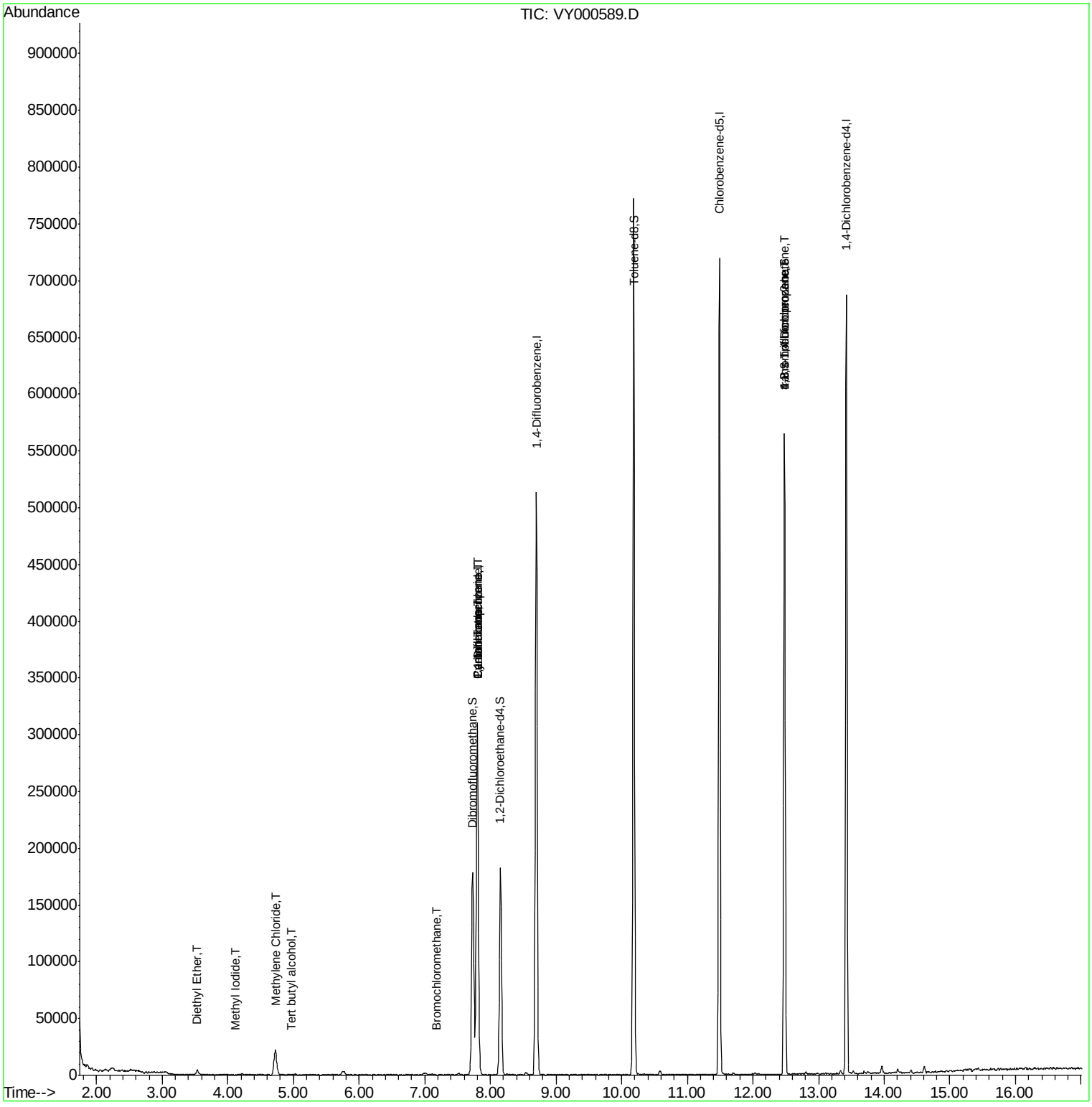
(#) = qualifier out of range (m) = manual integration (+) = signals summed

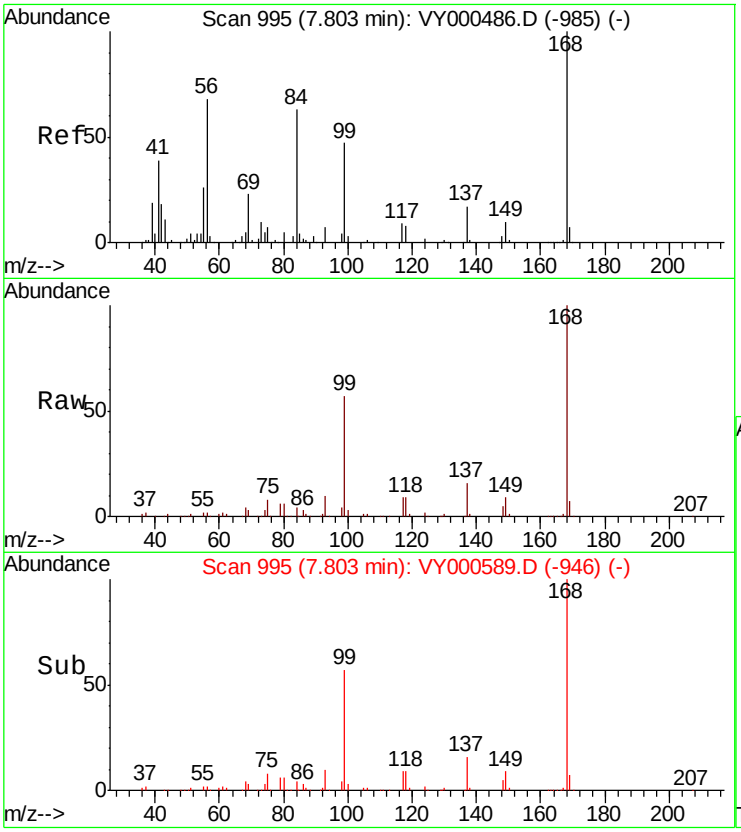
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY110719\
Data File : VY000589.D
Acq On : 07 Nov 2019 18:25
Operator : SY/MD
Sample : K5722-01
Misc : 7.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Nov 08 03:49:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration



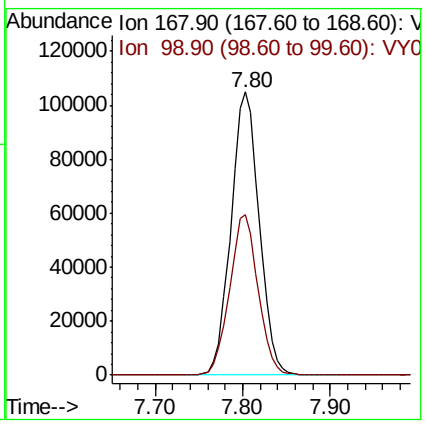


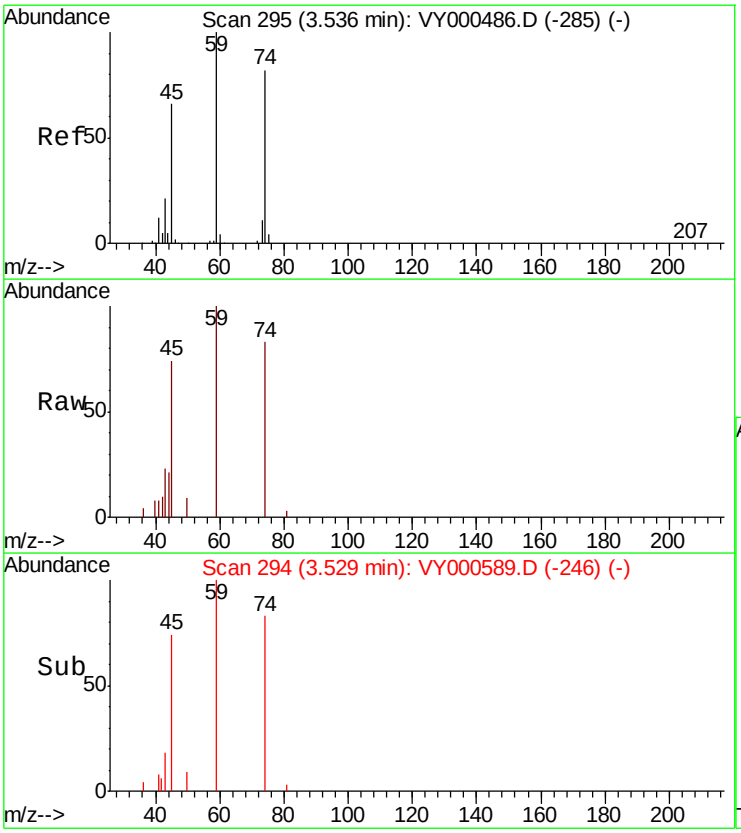

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion:168 Resp: 235310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.9 | 45.7 | 68.5 |

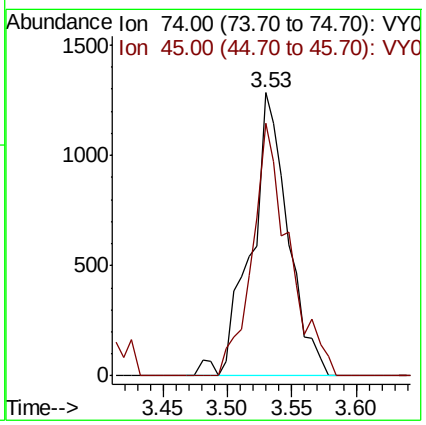


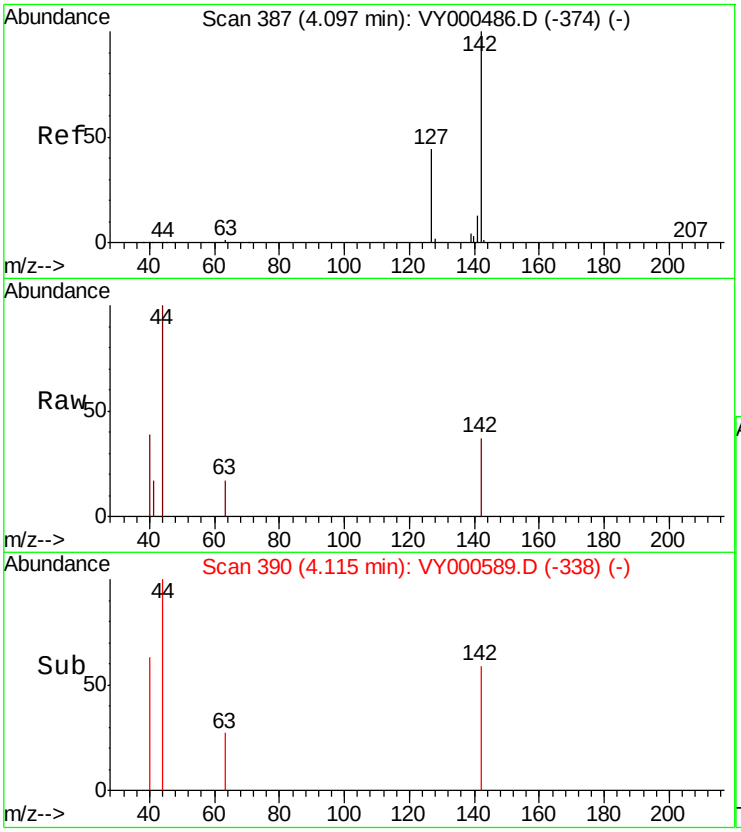




#8
Diethyl Ether
Concen: 1.799 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 74 Resp: 2558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 88.3 | 45.5 | 136.4 |



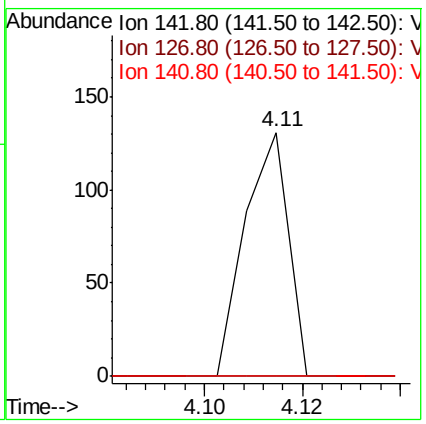


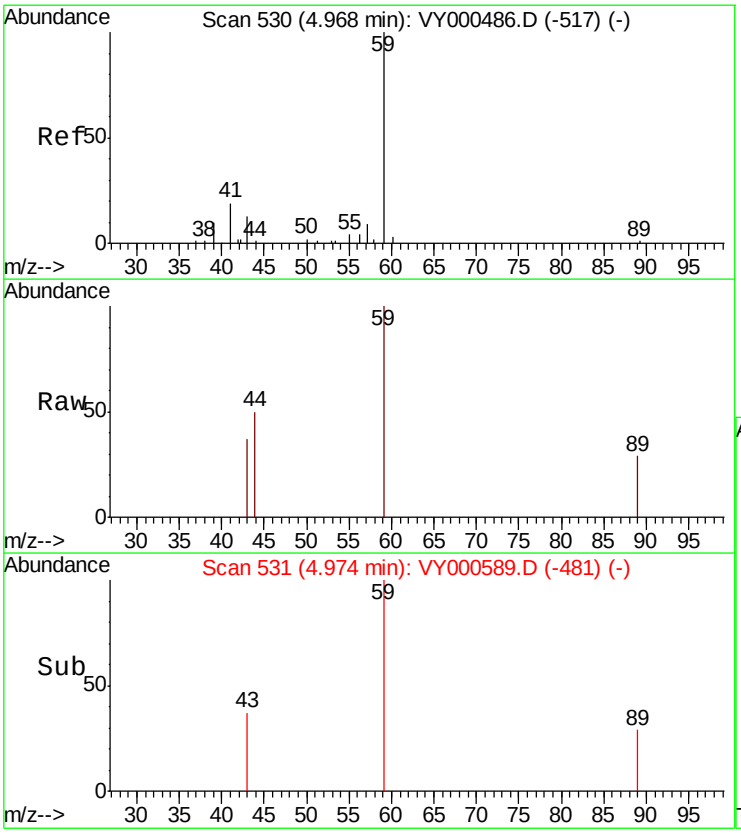

#10
Methyl Iodide
Concen: 3.223 ug/l
RT: 4.11 min Scan# 390
Delta R.T. 0.02 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion:142 Resp: 80

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 0.0 | 33.7 | 50.5# |
| 141 | 0.0 | 10.9 | 16.3# |

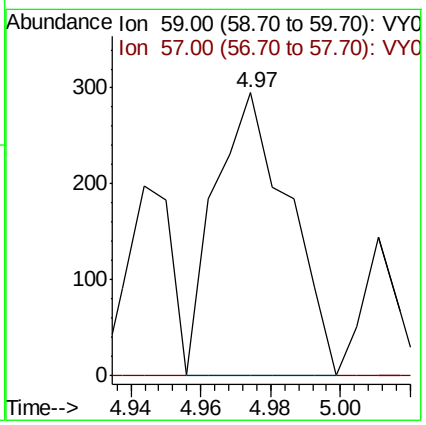


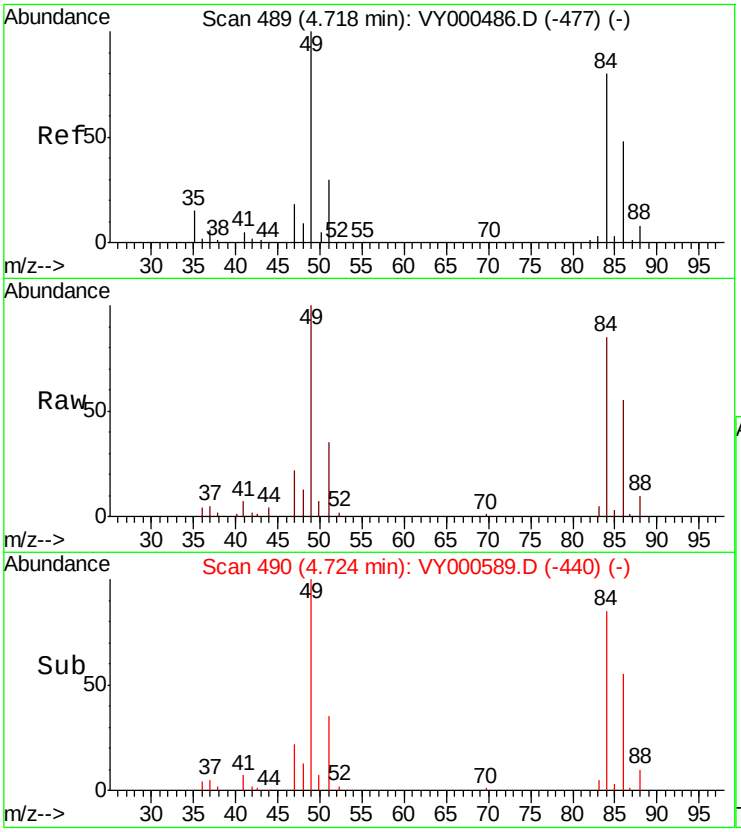




#11
Tert butyl alcohol
Concen: 1.831 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 59 Resp: 434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.6 | 12.8# |



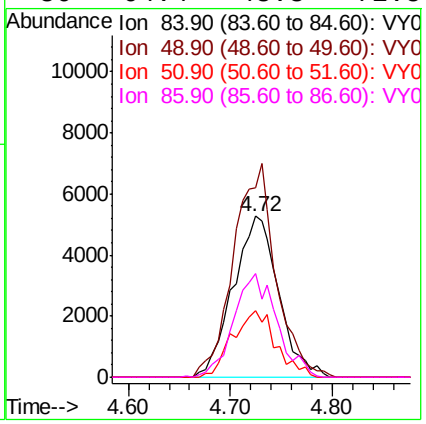


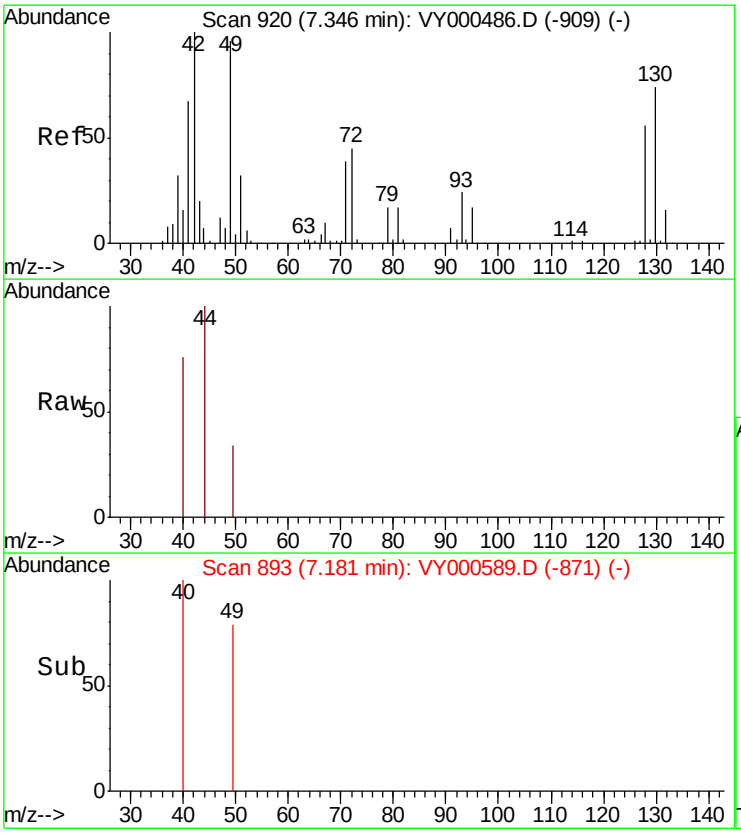

#20
Methylene Chloride
Concen: 5.661 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion: 84 Resp: 16279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 117.7 | 100.2 | 150.4 |
| 51 | 41.2 | 29.6 | 44.4 |
| 86 | 64.4 | 48.3 | 72.5 |

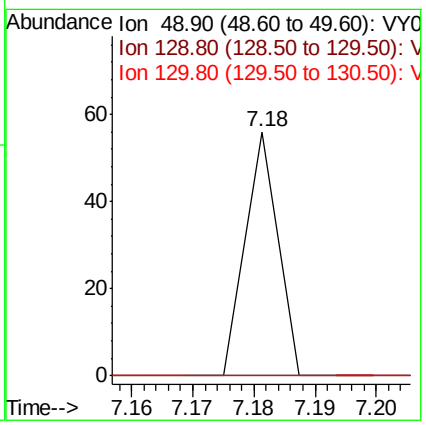


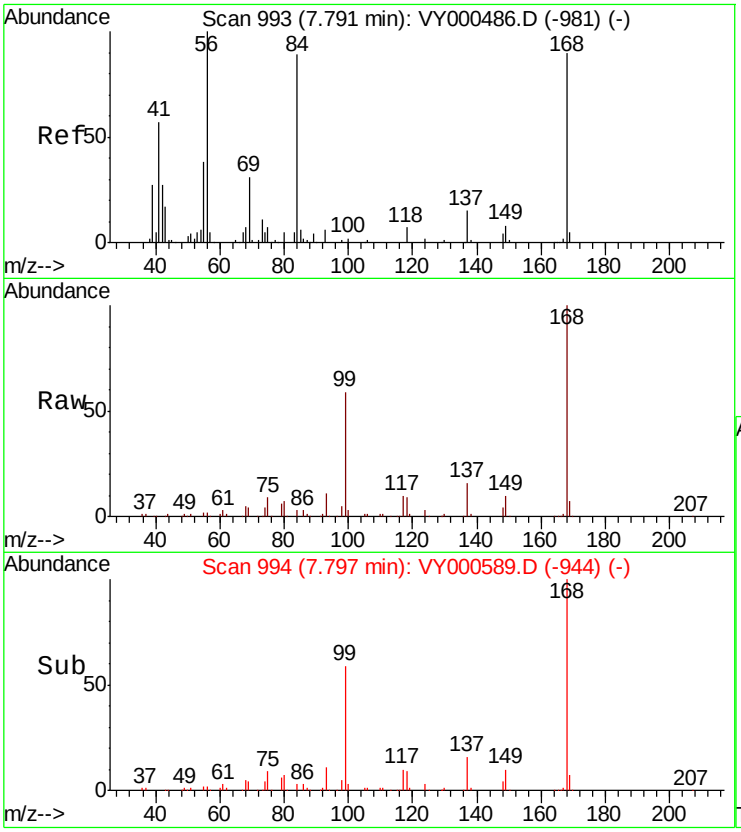




#28
Bromochloromethane
Concen: 4.102 ug/l
RT: 7.18 min Scan# 893
Delta R.T. -0.16 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 49 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.6 |
| 130 | 0.0 | 59.4 | 89.0# |



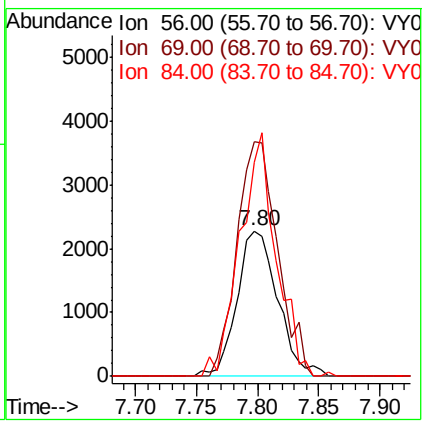


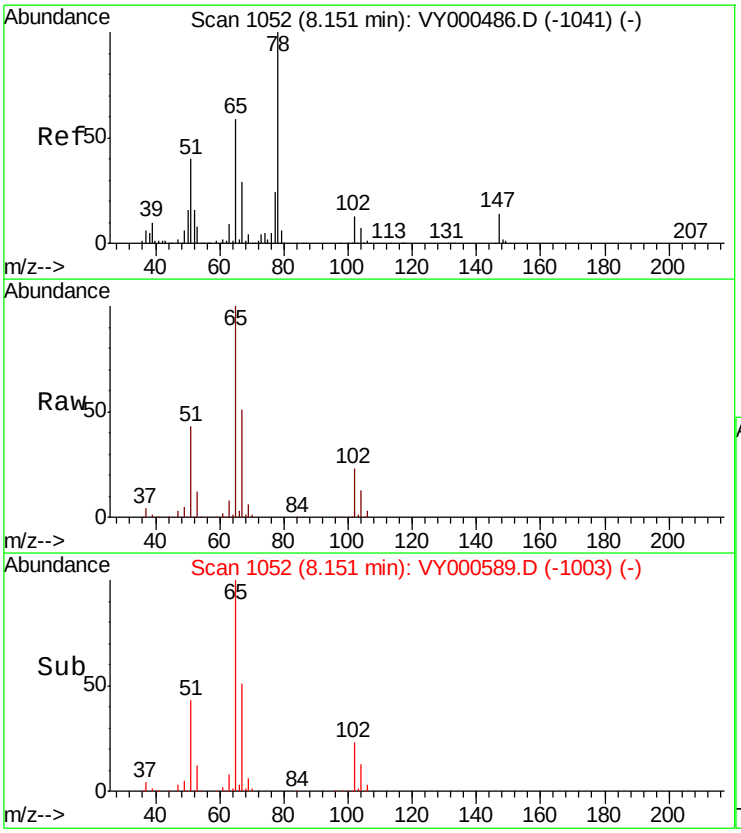

#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion: 56 Resp: 5281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 161.5 | 25.0 | 37.6# |
| 84 | 146.8 | 71.4 | 107.2# |

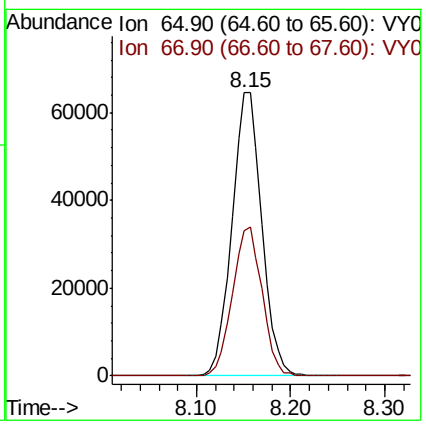


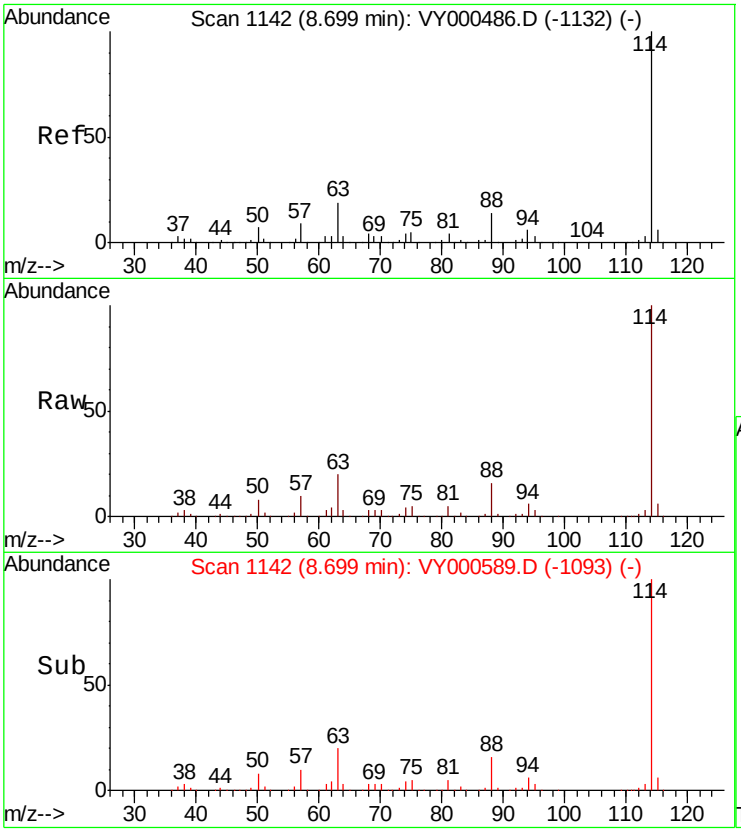




#33
1,2-Dichloroethane-d4
Concen: 58.293 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 65 Resp: 141953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 107.2 |



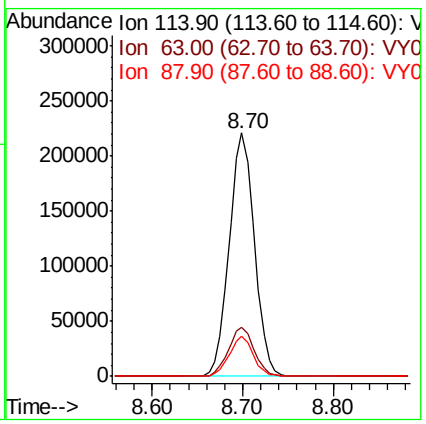


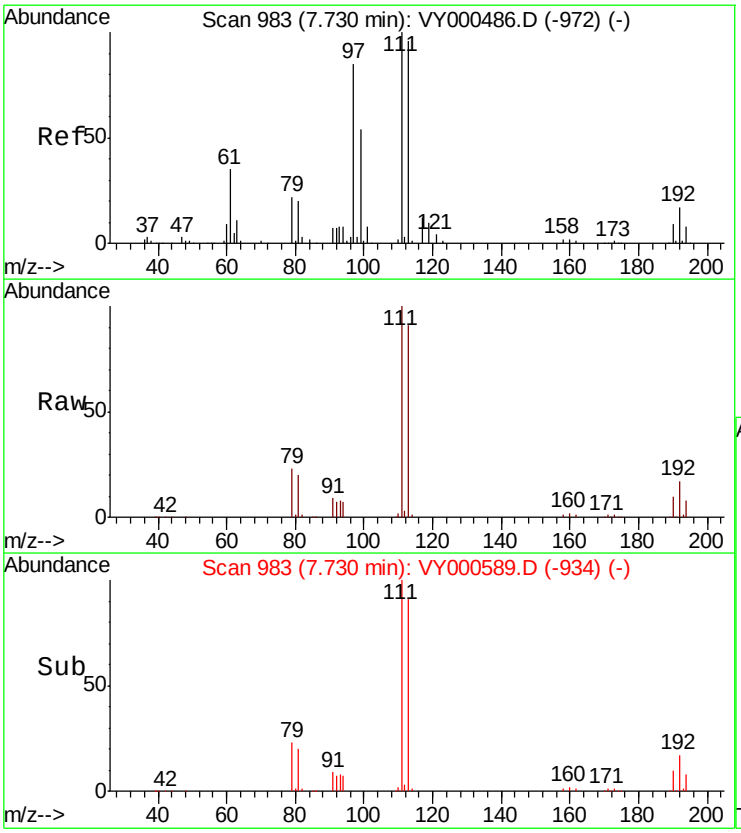

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.70 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion:114 Resp: 425680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 38.0 |
| 88 | 16.5 | 0.0 | 28.6 |

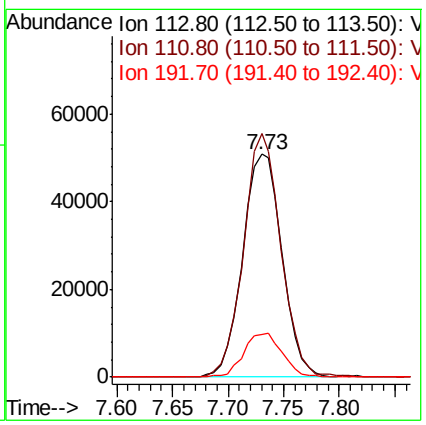


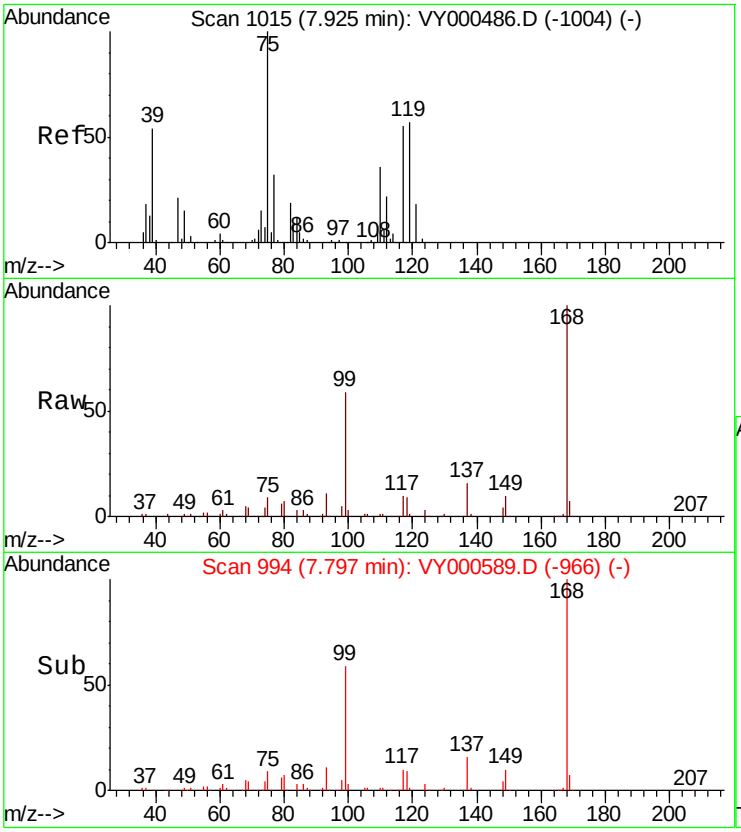




#35
Dibromofluoromethane
Concen: 50.187 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion:113 Resp: 125417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 81.7 | 122.5 |
| 192 | 19.3 | 15.0 | 22.4 |



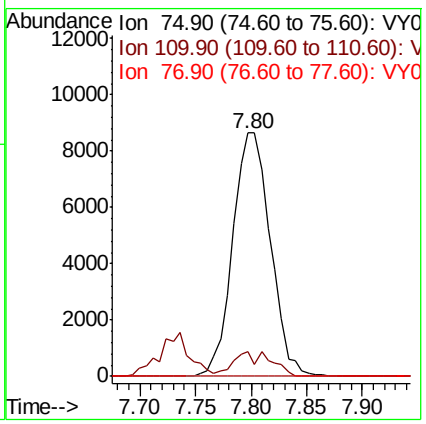


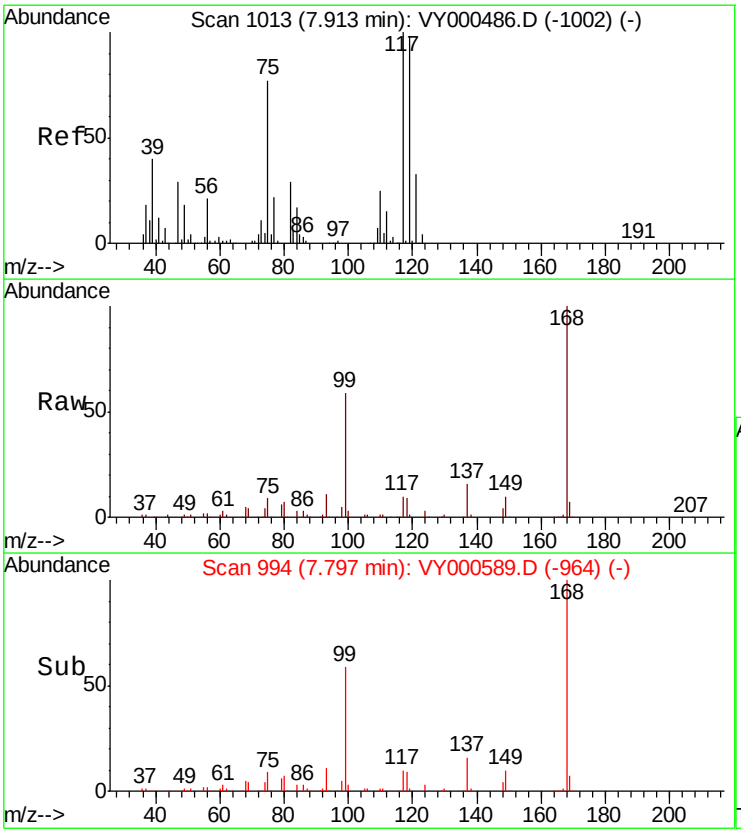

#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion: 75 Resp: 20314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 4.5 | 18.1 | 54.1# |
| 77 | 0.0 | 25.0 | 37.6# |

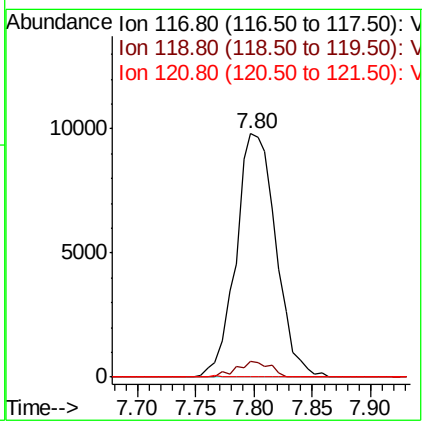


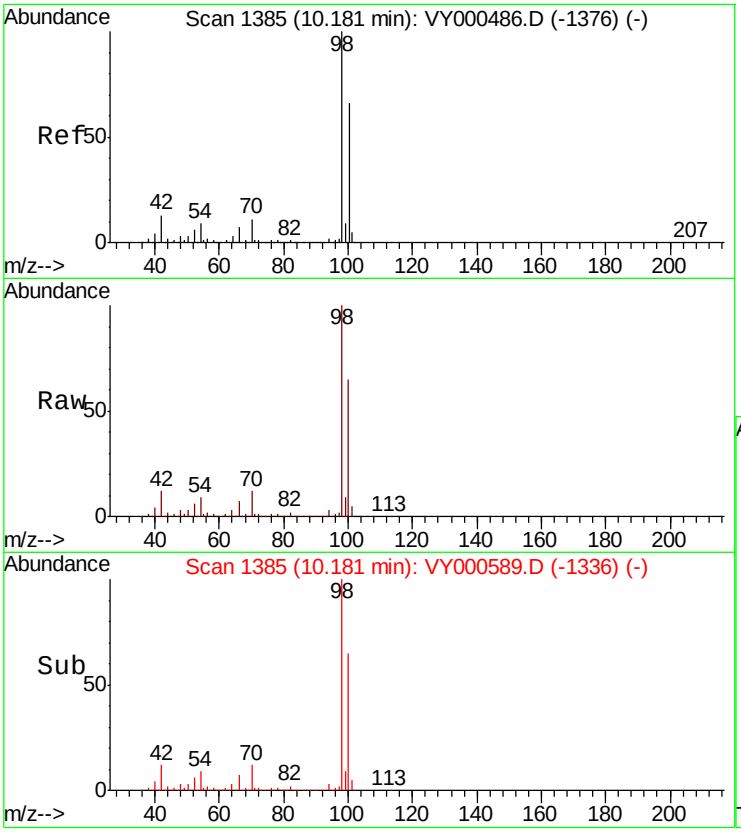




#38
Carbon Tetrachloride
Concen: 6.044 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion:117 Resp: 23405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.6 | 78.0 | 117.0# |
| 121 | 0.0 | 26.6 | 40.0# |



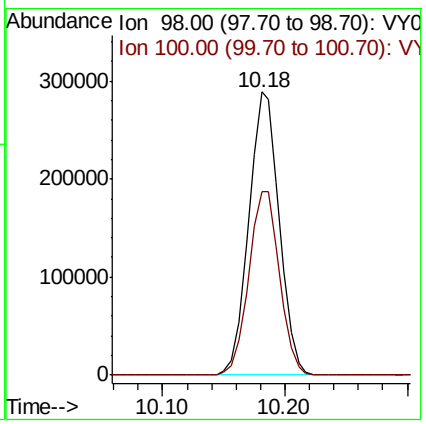


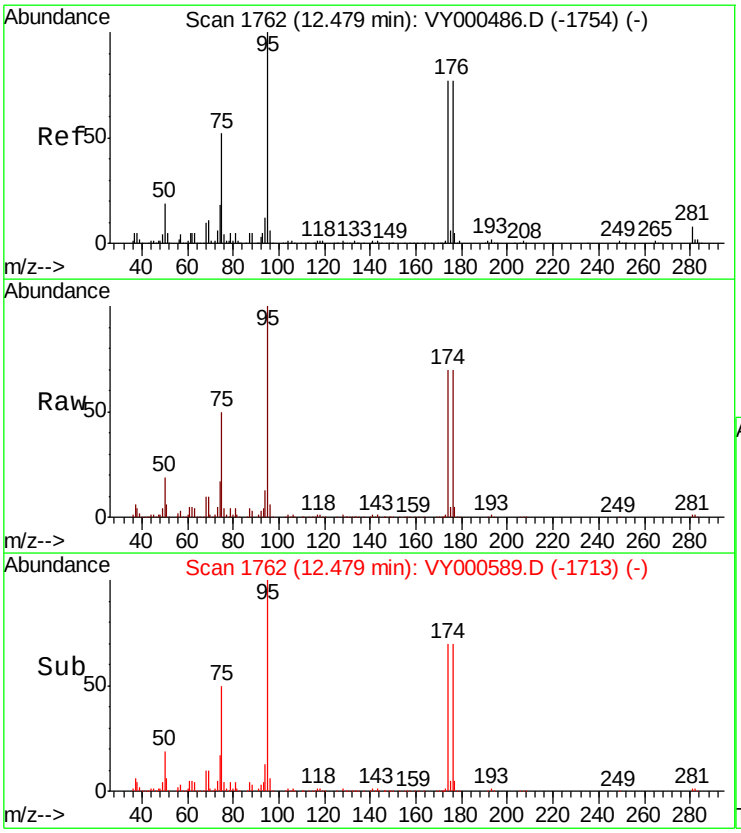

#50
Toluene-d8
Concen: 52.716 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion: 98 Resp: 499879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 52.9 | 79.3 |

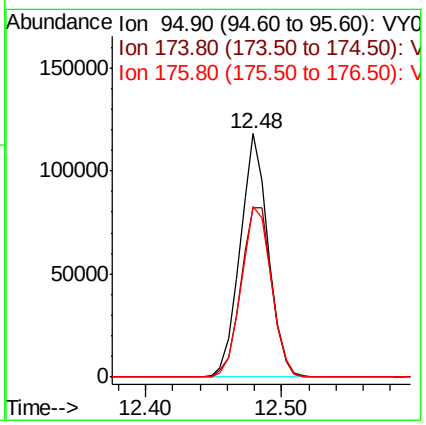


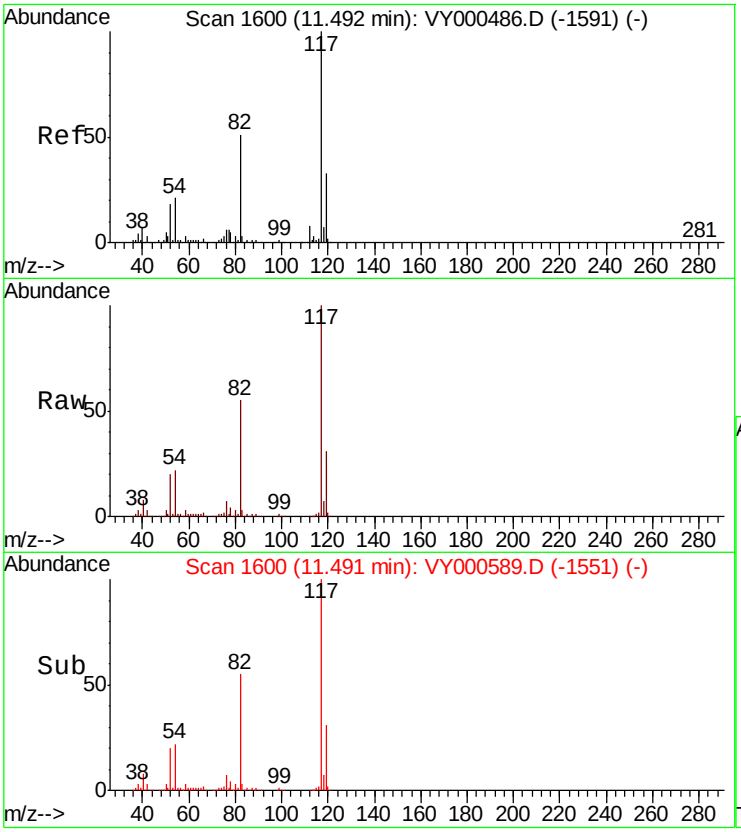




#62
4-Bromofluorobenzene
Concen: 46.983 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 95 Resp: 169603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.1 | 0.0 | 161.6 |
| 176 | 74.8 | 0.0 | 157.8 |



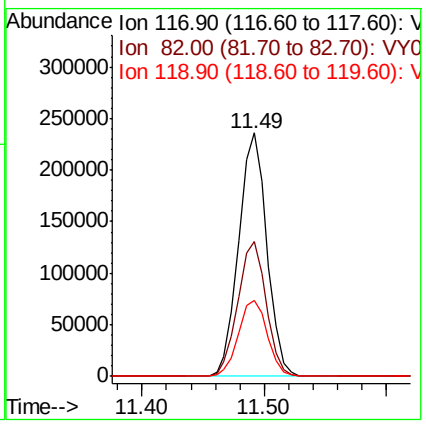


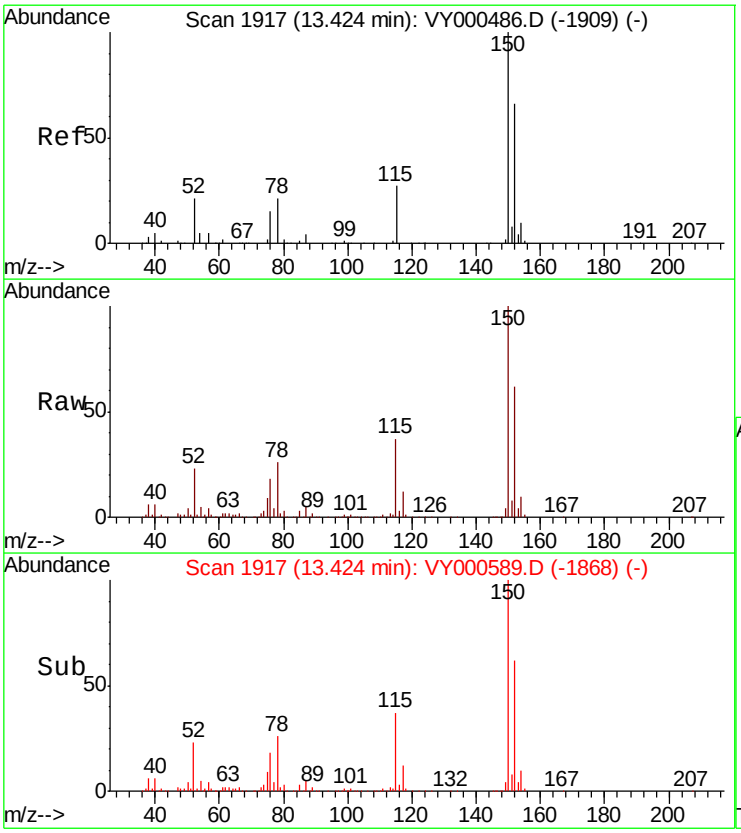

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion:117 Resp: 375666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.3 | 40.8 | 61.2 |
| 119 | 31.4 | 26.2 | 39.2 |

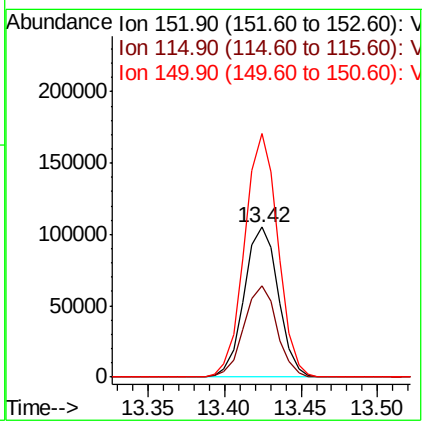


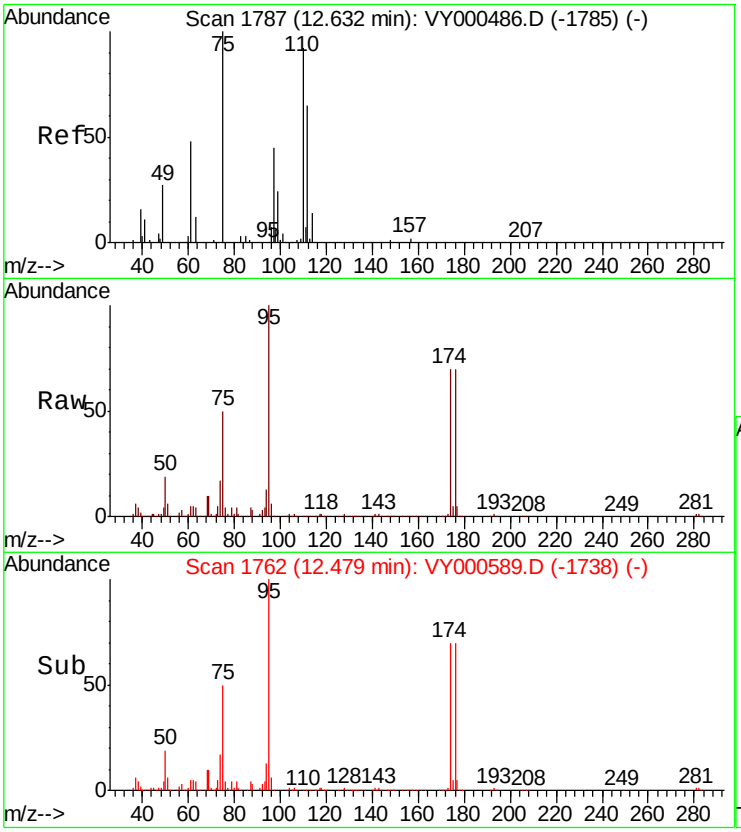




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion:152 Resp: 162764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.1 | 29.1 | 87.4 |
| 150 | 159.0 | 0.0 | 348.8 |



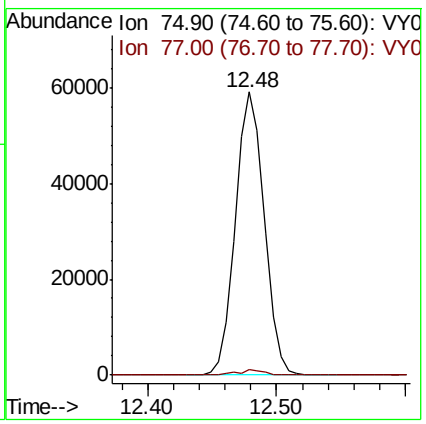


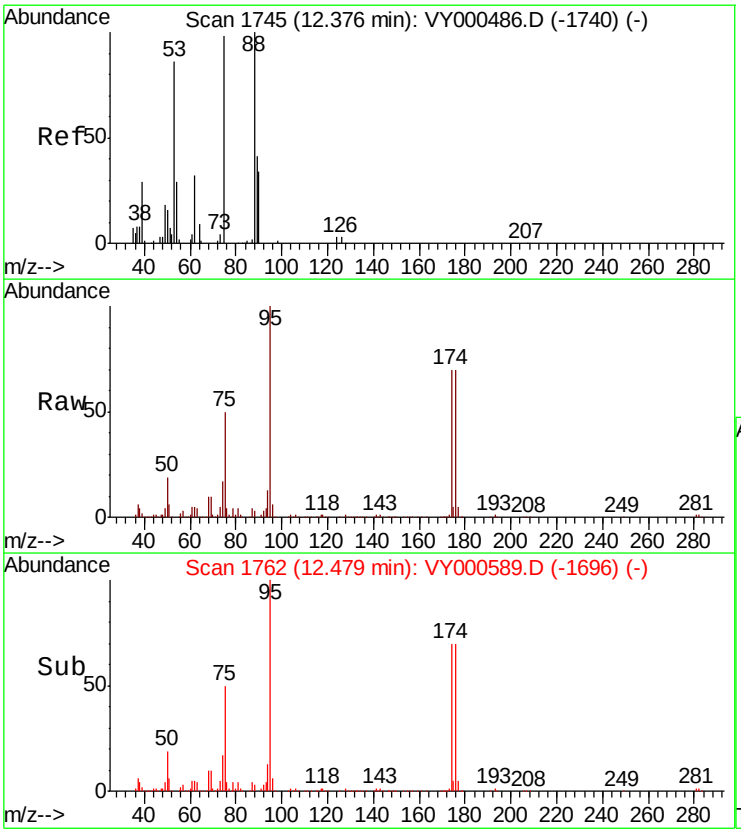

#76
1,2,3-Trichloropropane
Concen: 49.212 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

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

Tgt Ion: 75 Resp: 91204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.7 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 110.340 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 75 Resp: 91204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 73.2 | 109.8# |
| 89 | 0.2 | 35.9 | 53.9# |