Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031920\
Data File : VY002022.D
Acq On : 19 Mar 2020 15:28
Operator : SY/MD
Sample : L1978-05
Misc : 5.26G/5ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 20 01:57:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.82 | 168 | 132596 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.71 | 114 | 253618 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.50 | 117 | 208780 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152 | 68415 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.16 | 65 | 81446 | 57.54 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 115.08% | | | | |
| 35) Dibromofluoromethane | 7.74 | 113 | 75939 | 54.83 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.66% | | | | |
| 50) Toluene-d8 | 10.19 | 98 | 304567 | 52.15 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.30% | | | | |
| 62) 4-Bromofluorobenzene | 12.49 | 95 | 81577 | 40.17 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.34% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 5) Bromomethane | 2.68 | 94 | 79 | Below Cal | # | | 4 |
| 11) Tert butyl alcohol | 4.99 | 59 | 78 | Below Cal | # | | 74 |
| 16) Acetone | 3.97 | 43 | 25679 | 62.283 | ug/l | | 95 |
| 20) Methylene Chloride | 4.75 | 84 | 4651 | 2.632 | ug/l | | 90 |
| 25) 2-Butanone | 7.02 | 43 | 10246 | 16.342 | ug/l | | 100 |
| 31) Cyclohexane | 7.81 | 56 | 3117 | 1.002 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 7.81 | 75 | 11232 | 4.602 | ug/l | # | 51 |
| 37) Ethyl Acetate | 7.02 | 43 | 10246 | 7.223 | ug/l | # | 80 |
| 38) Carbon Tetrachloride | 7.81 | 117 | 13505 | 6.478 | ug/l | # | 16 |
| 51) 4-Methyl-2-Pentanone | 10.19 | 43 | 1601 | 1.157 | ug/l | # | 1 |
| 76) 1,2,3-Trichloropropane | 12.49 | 75 | 42646 | 52.533 | ug/l | # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75 | 42646 | 106.115 | ug/l | # | 17 |

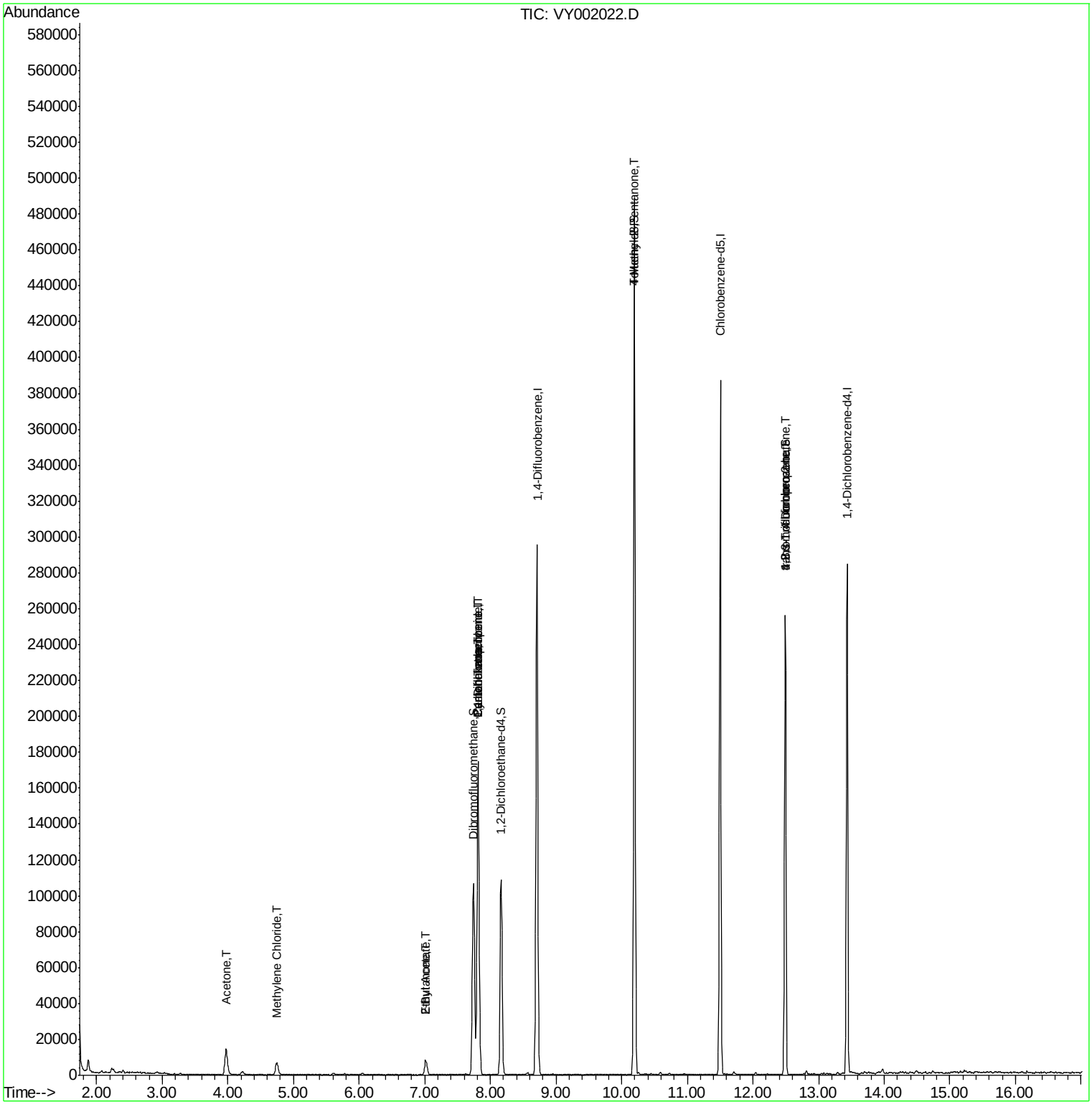
(#) = qualifier out of range (m) = manual integration (+) = signals summed

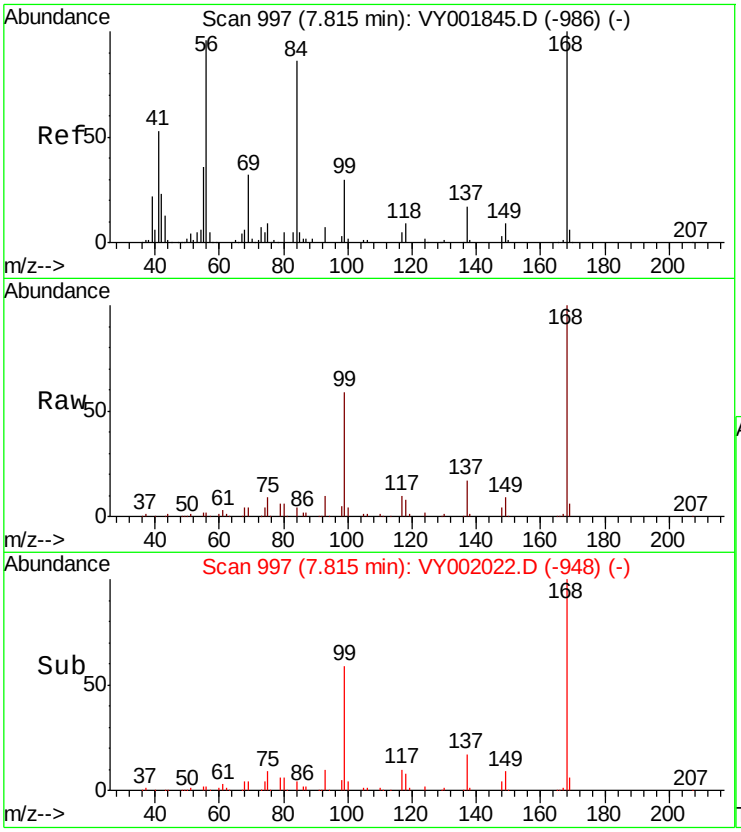
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY031920\
Data File : VY002022.D
Acq On : 19 Mar 2020 15:28
Operator : SY/MD
Sample : L1978-05
Misc : 5.26G/5ML/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 20 01:57:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration



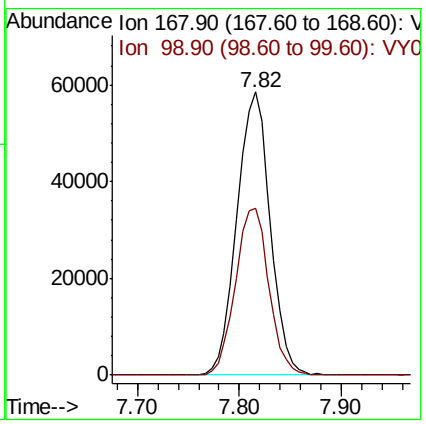


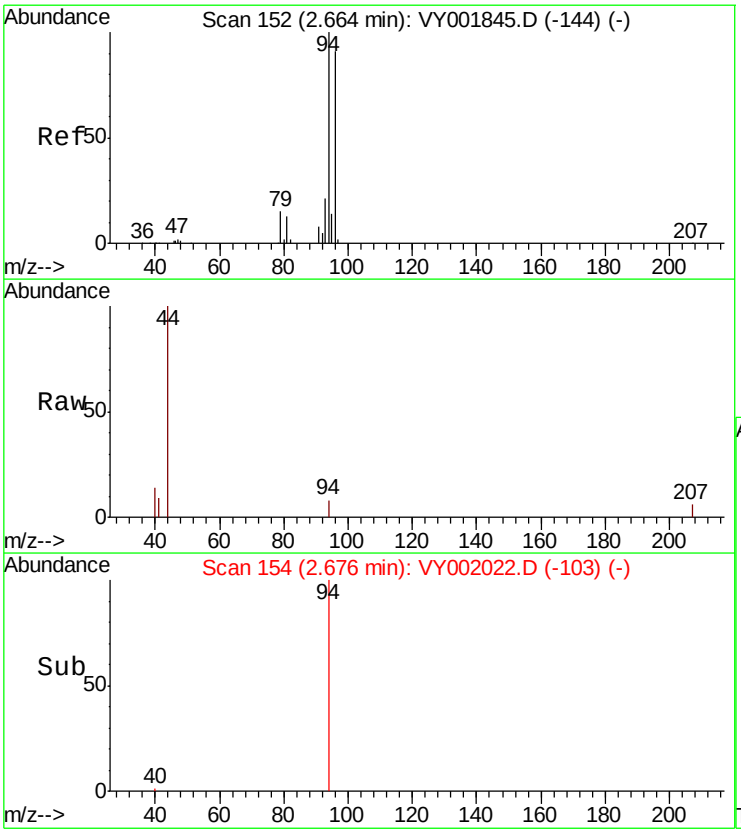

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion:168 Resp: 132596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.2 | 46.7 | 70.1 |

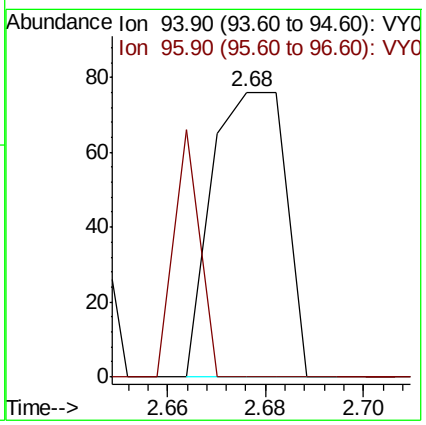


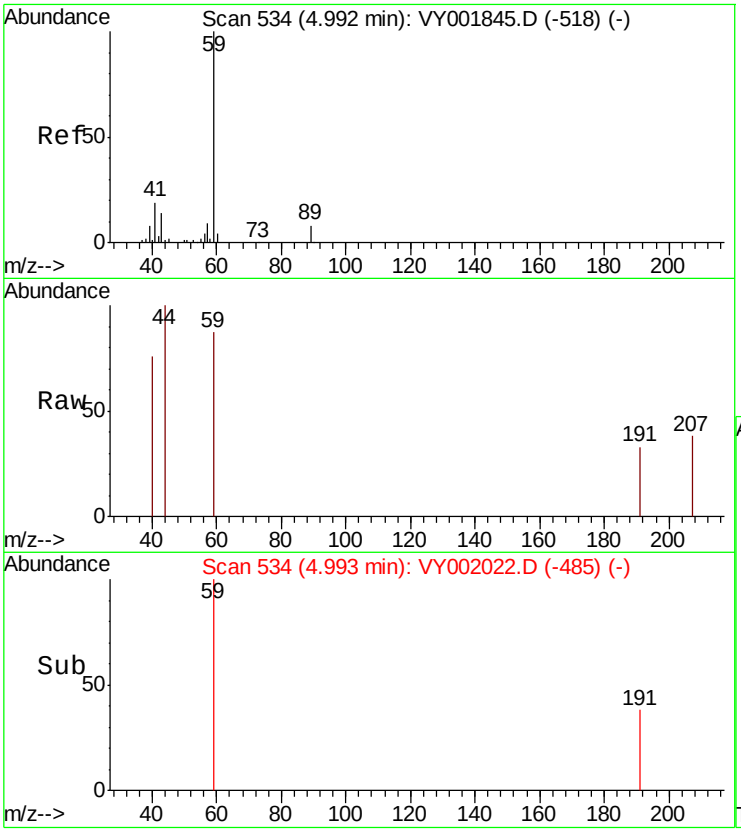




#5
Bromomethane
Concen: Below Cal
RT: 2.68 min Scan# 154
Delta R.T. 0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 94 Resp: 79

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 73.2 | 109.8# |



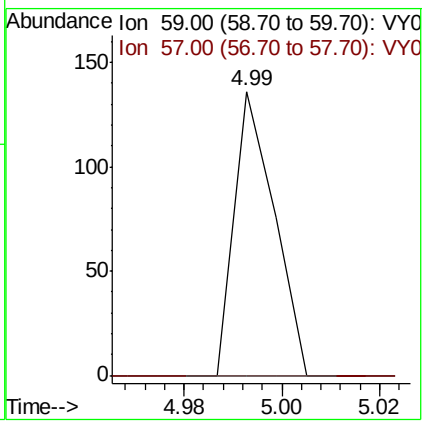


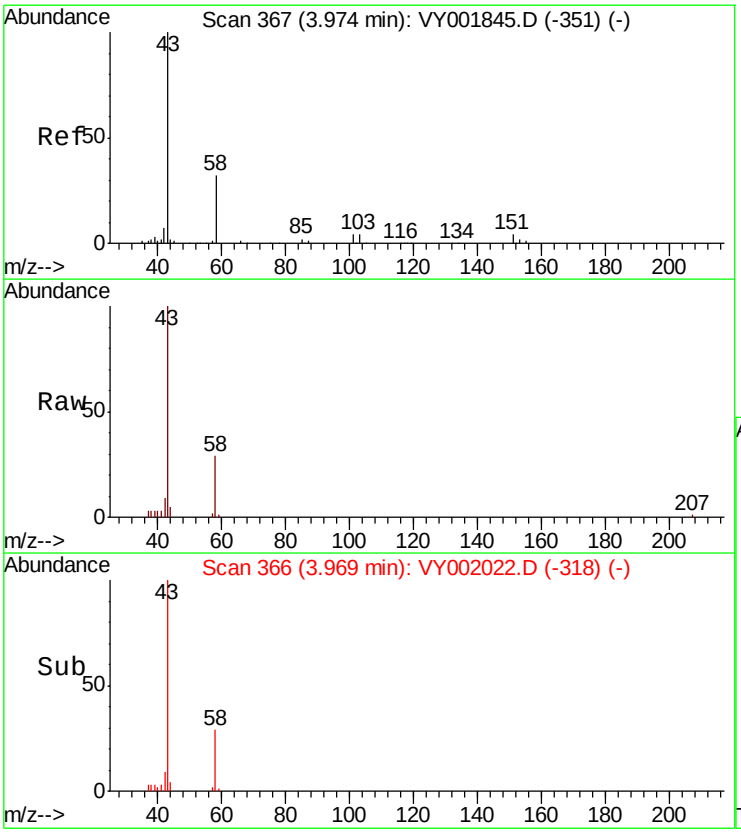

#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion: 59 Resp: 78

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.4 | 11.2# |

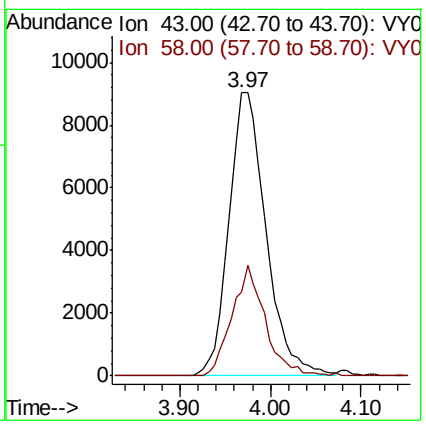


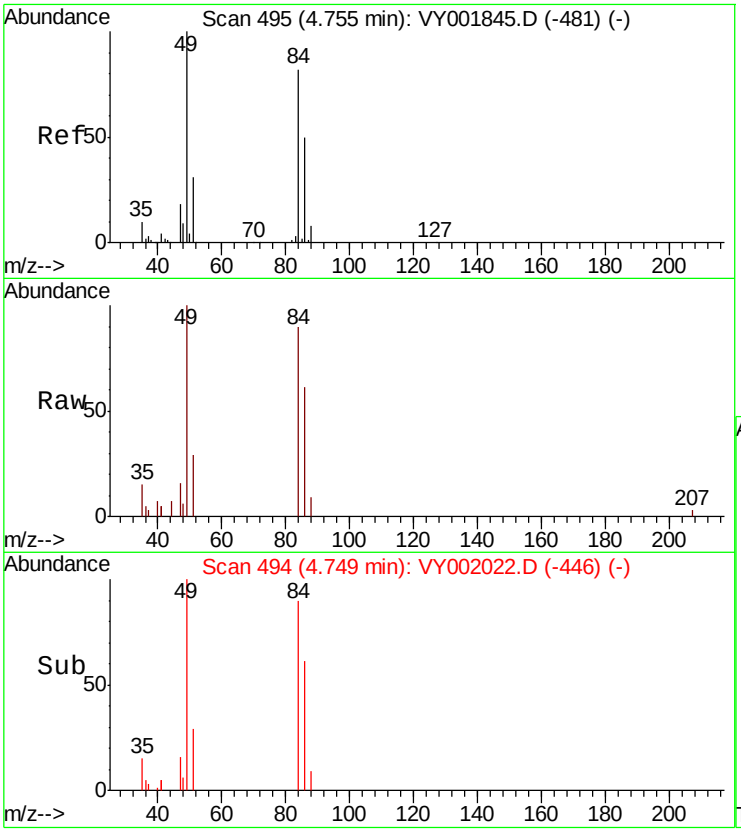




#16
Acetone
Concen: 62.283 ug/l
RT: 3.97 min Scan# 366
Delta R.T. -0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 43 Resp: 25679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 25.9 | 38.9 |



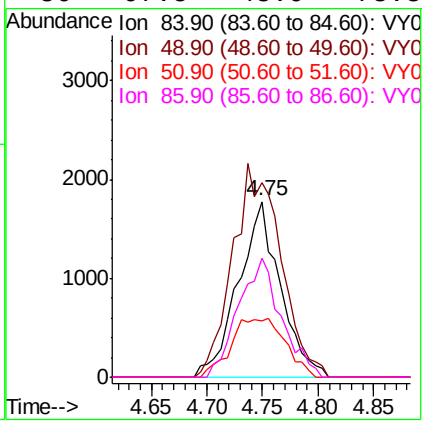


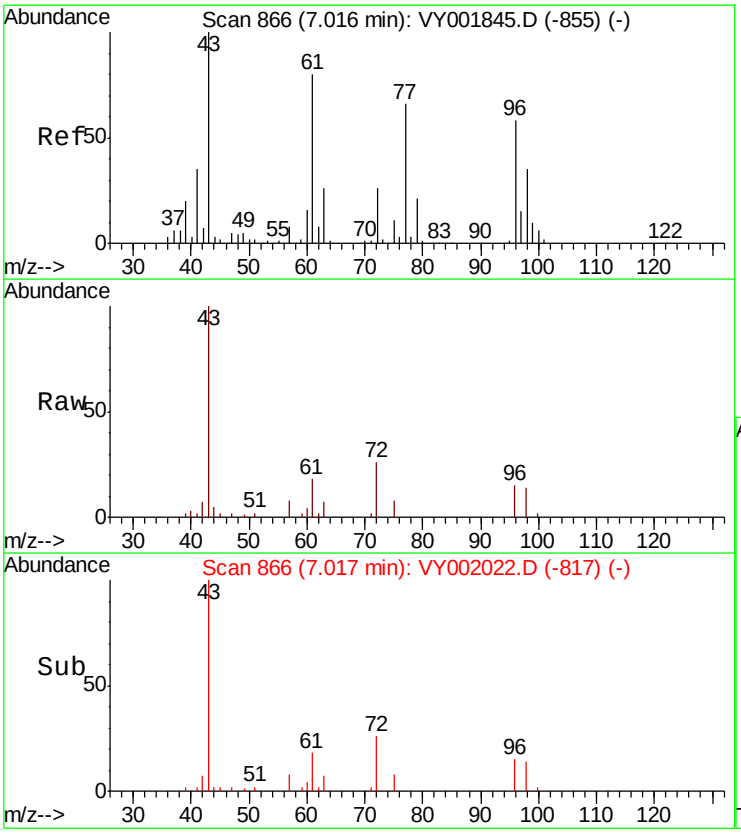

#20
Methylene Chloride
Concen: 2.632 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion: 84 Resp: 4651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.0 | 98.2 | 147.2 |
| 51 | 31.8 | 30.2 | 45.2 |
| 86 | 67.5 | 48.9 | 73.3 |

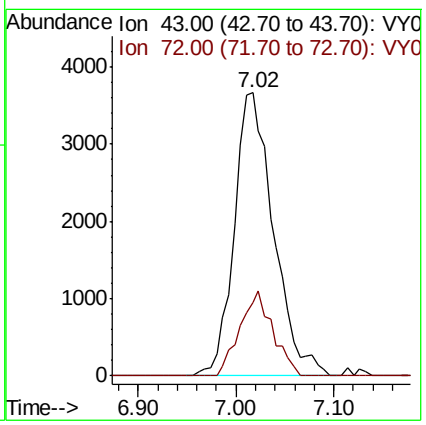


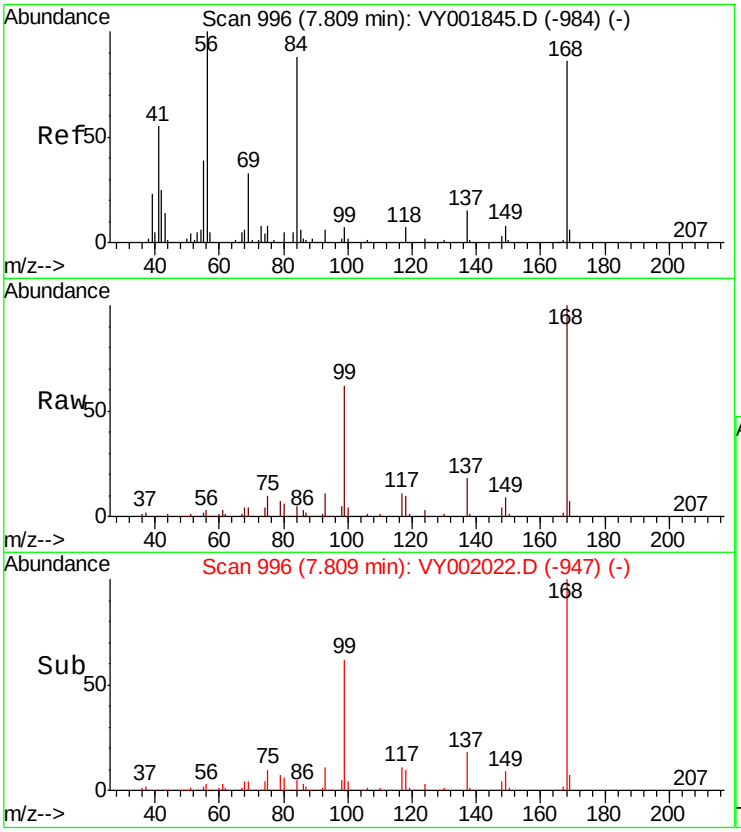




#25
2-Butanone
Concen: 16.342 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 43 Resp: 10246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.9 | 20.9 | 31.3 |



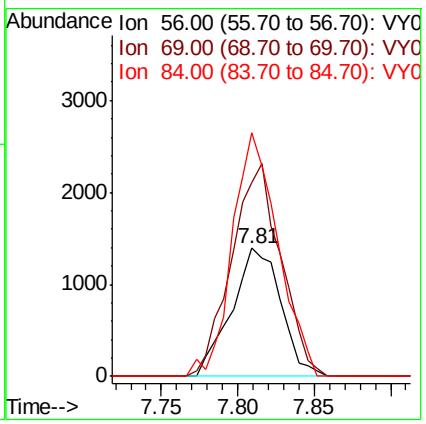


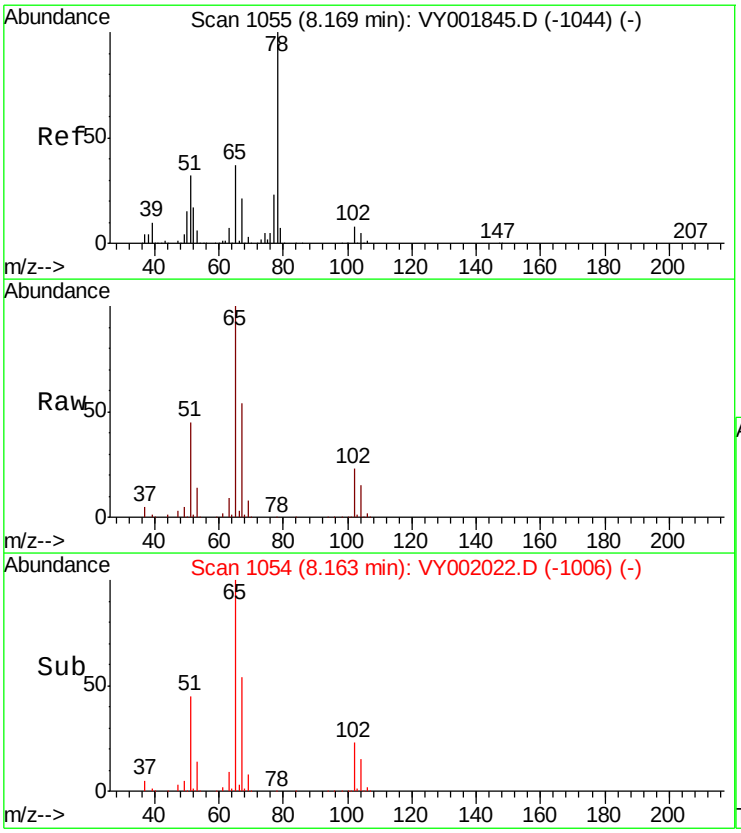

#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion: 56 Resp: 3117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 151.4 | 26.7 | 40.1# |
| 84 | 190.0 | 70.4 | 105.6# |

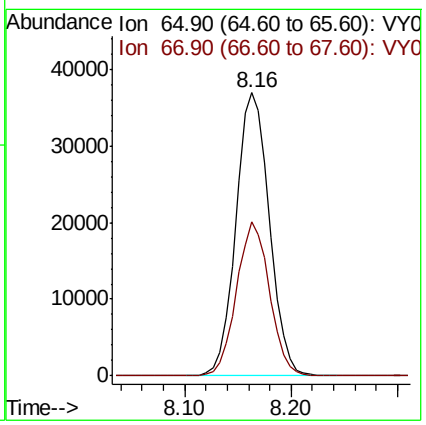


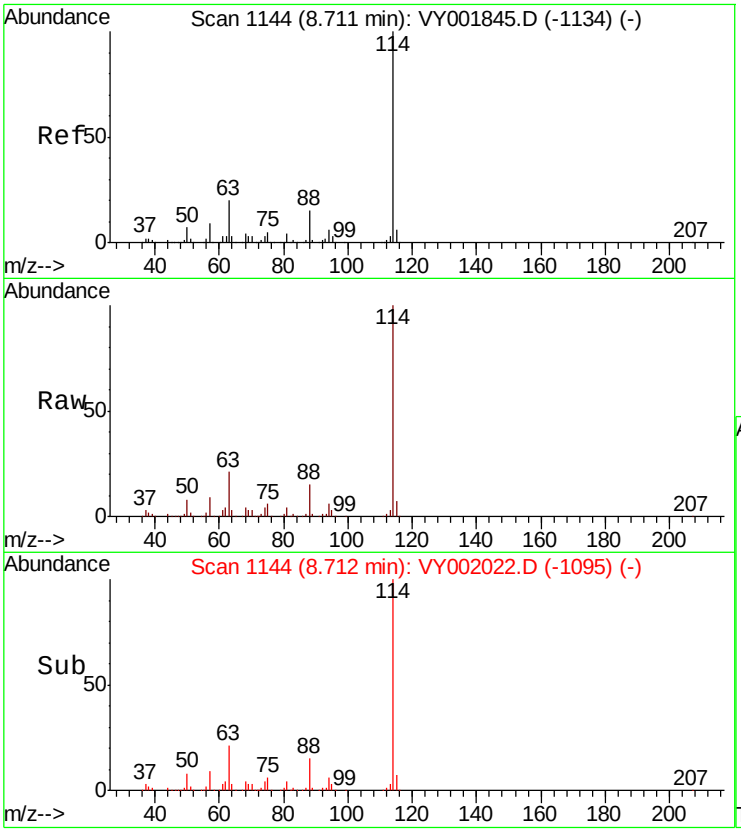




#33
1,2-Dichloroethane-d4
Concen: 57.537 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 65 Resp: 81446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.7 | 0.0 | 110.8 |



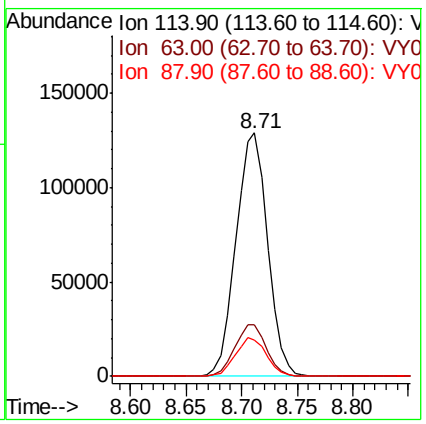


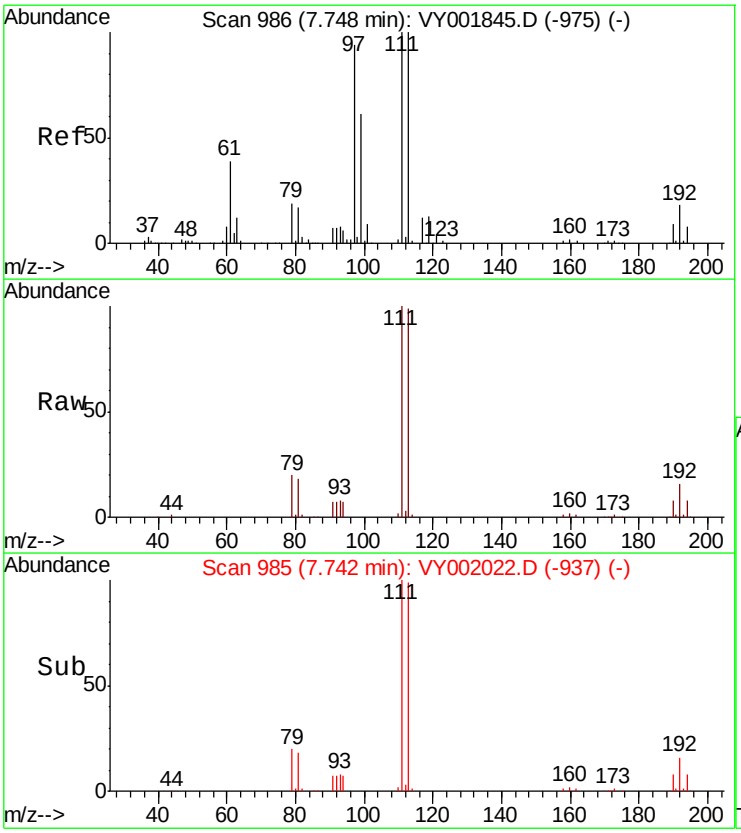

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.71 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion:114 Resp: 253618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 39.4 |
| 88 | 15.1 | 0.0 | 30.4 |

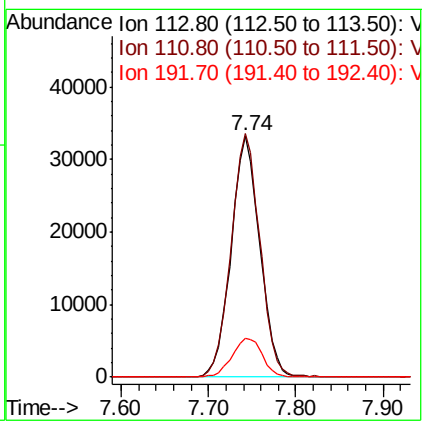


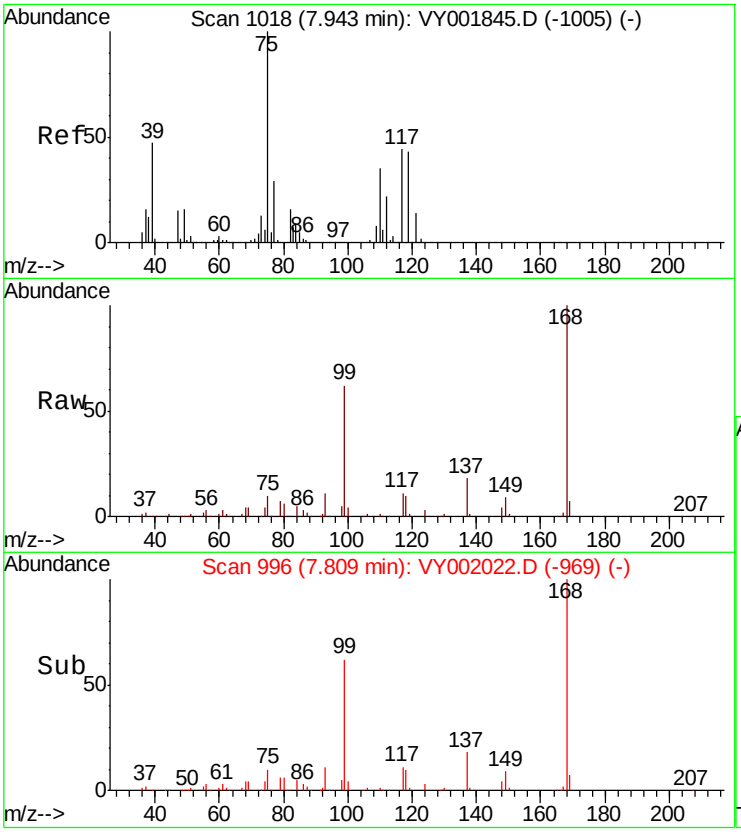




#35
Dibromofluoromethane
Concen: 54.835 ug/l
RT: 7.74 min Scan# 985
Delta R.T. -0.01 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion:113 Resp: 75939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 81.8 | 122.8 |
| 192 | 16.9 | 14.2 | 21.2 |



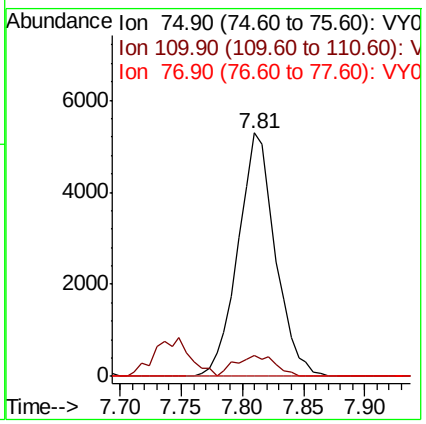


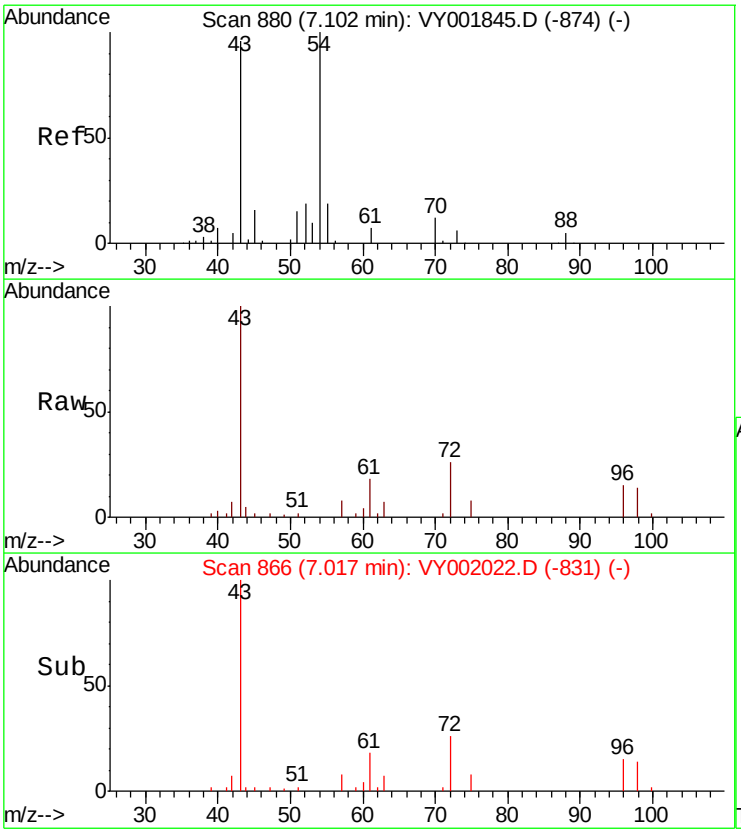

#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.13 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion: 75 Resp: 11232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.2 | 17.4 | 52.2# |
| 77 | 0.0 | 24.2 | 36.2# |

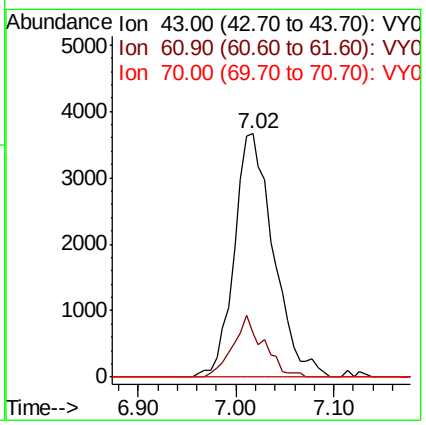


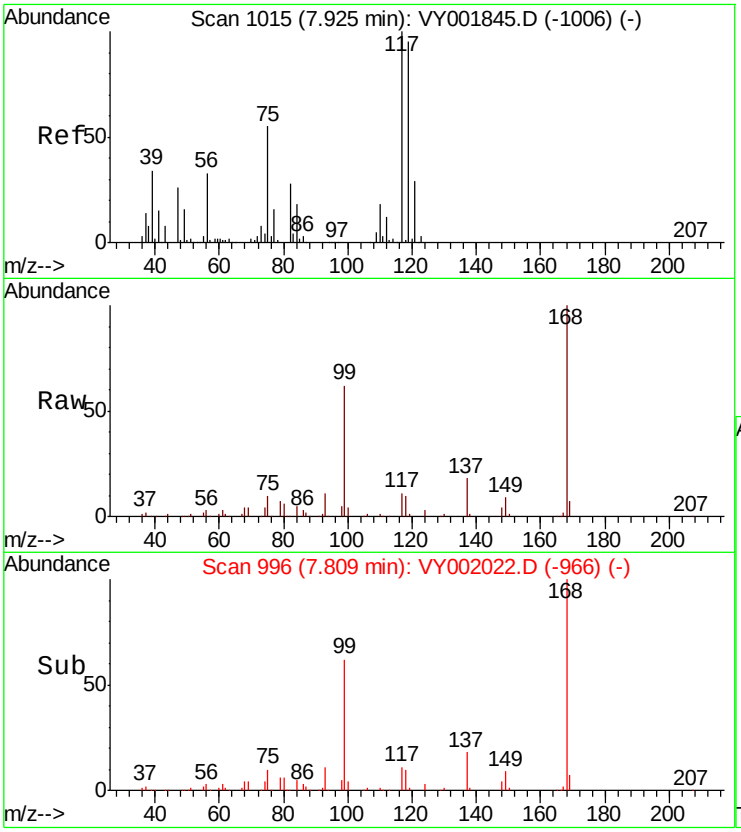




#37
Ethyl Acetate
Concen: 7.223 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.09 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 43 Resp: 10246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.7 | 11.1 | 16.7# |
| 70 | 0.0 | 8.2 | 12.4# |



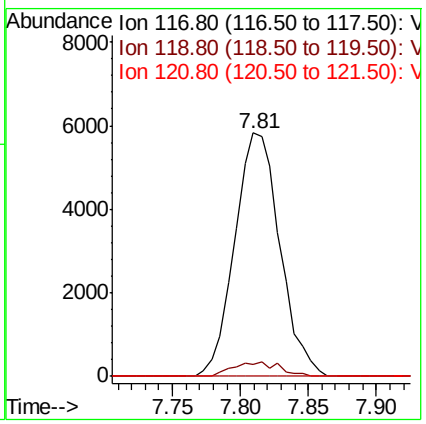


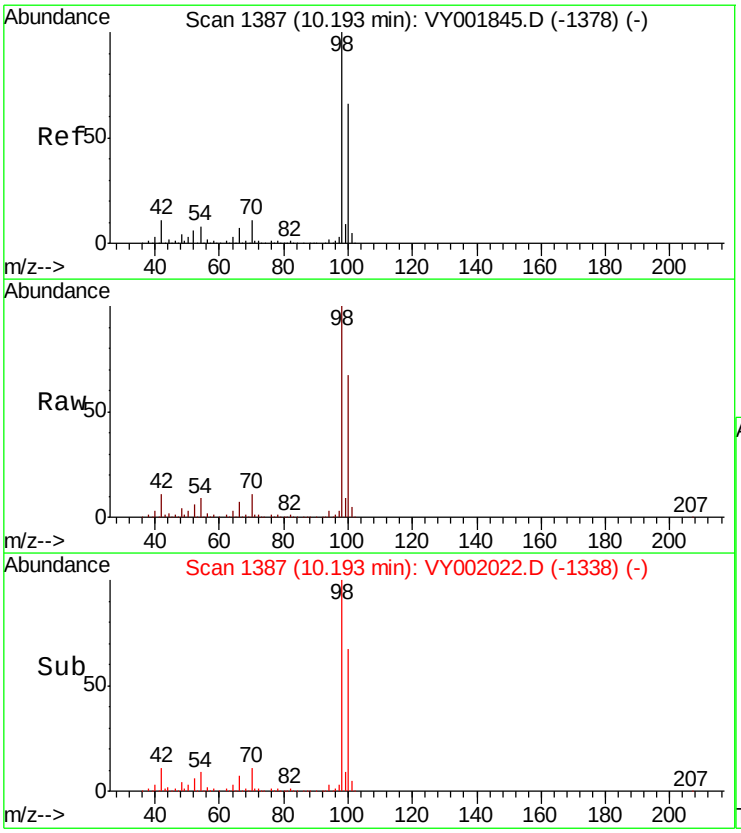

#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.12 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion:117 Resp: 13505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.7 | 76.3 | 114.5# |
| 121 | 0.0 | 23.5 | 35.3# |

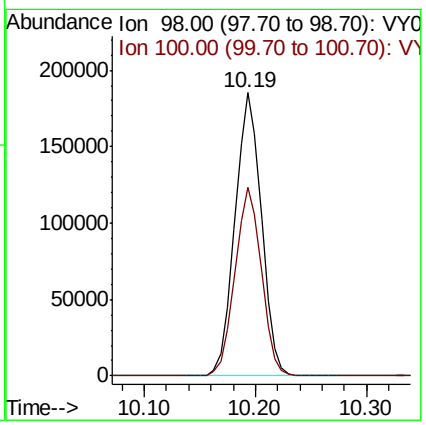


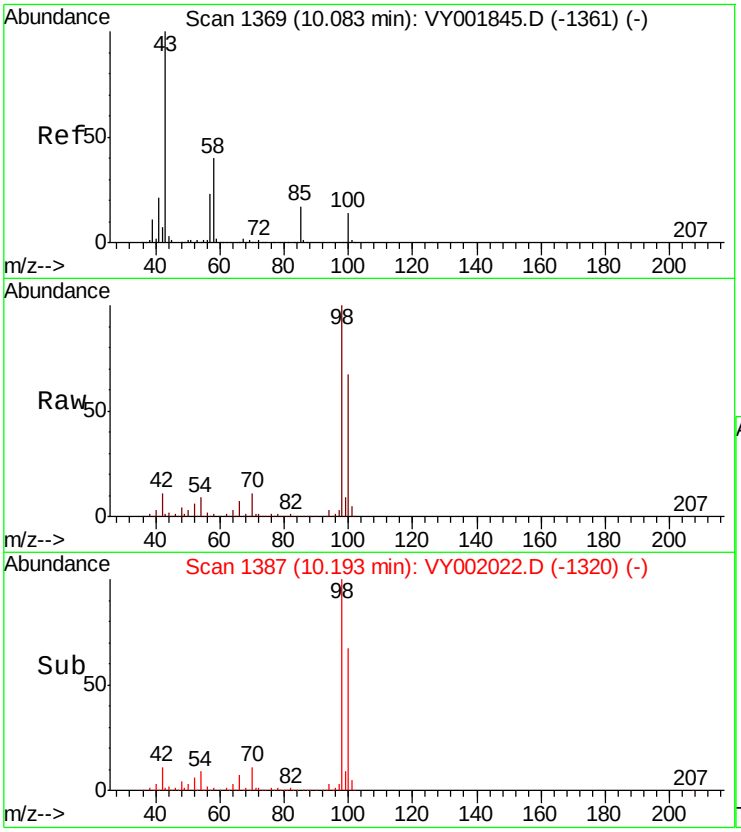




#50
Toluene-d8
Concen: 52.154 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 98 Resp: 304567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |



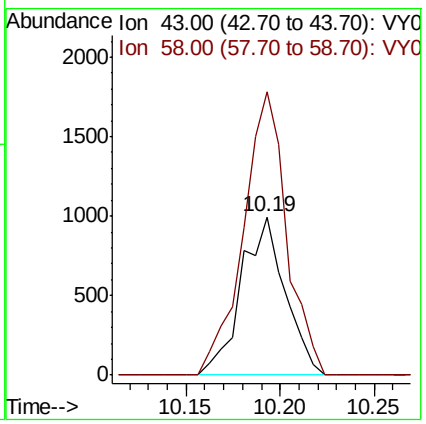


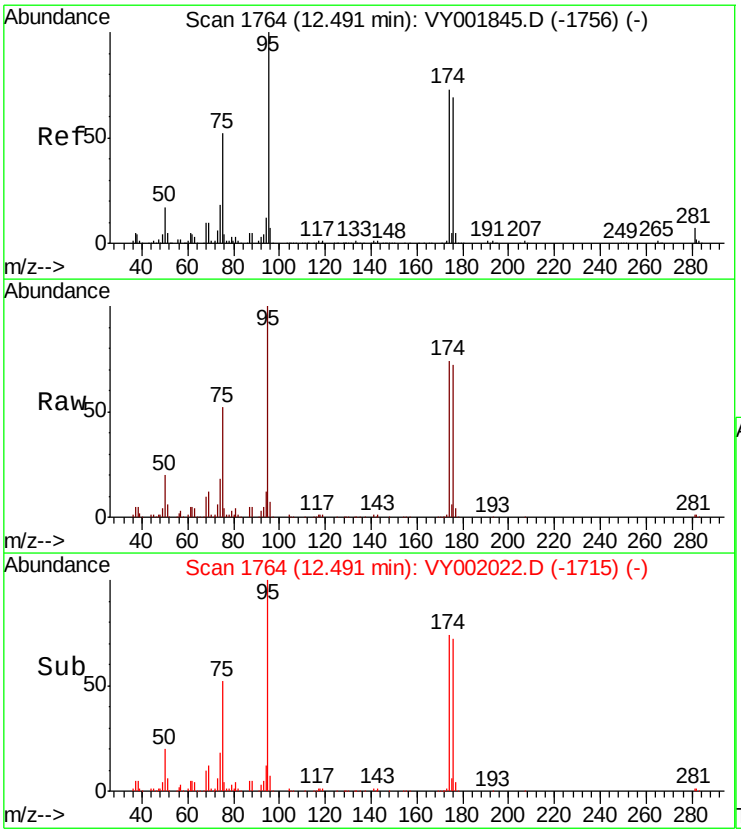

#51
4-Methyl-2-Pentanone
Concen: 1.157 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.11 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion: 43 Resp: 1601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 177.6 | 32.0 | 48.0# |

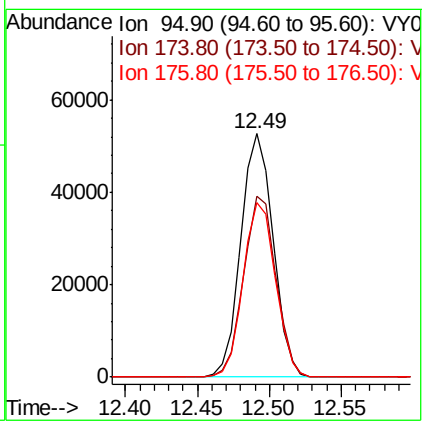


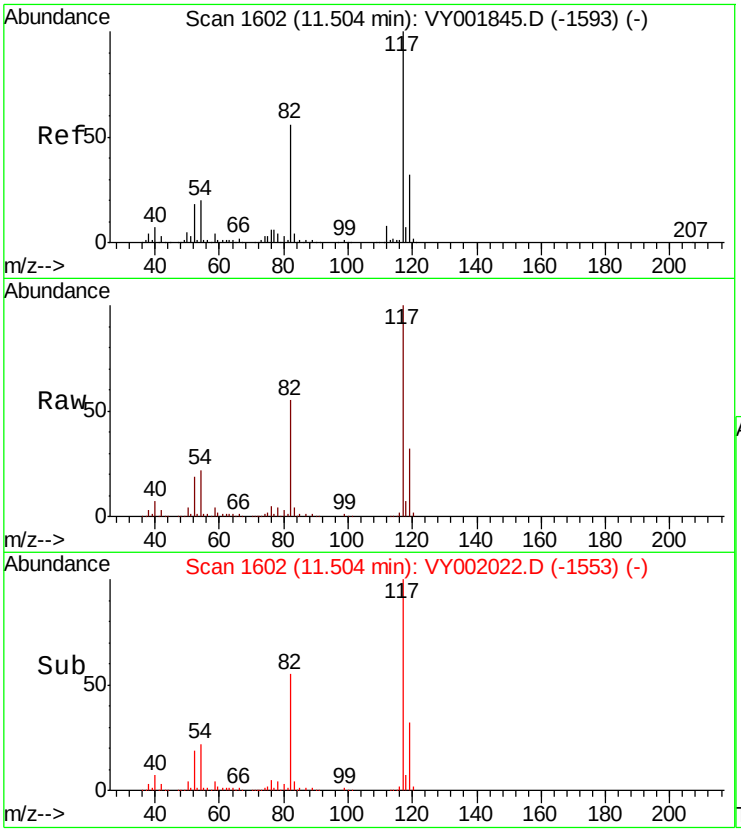




#62
4-Bromofluorobenzene
Concen: 40.175 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 95 Resp: 81577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.5 | 0.0 | 145.0 |
| 176 | 72.1 | 0.0 | 137.4 |



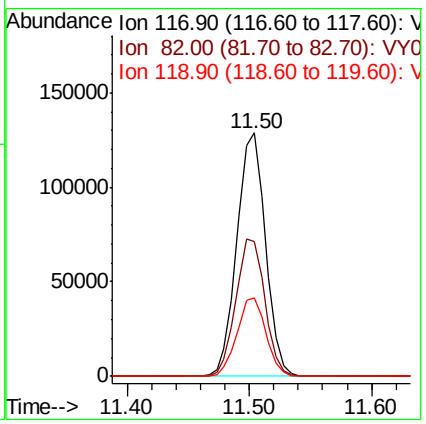


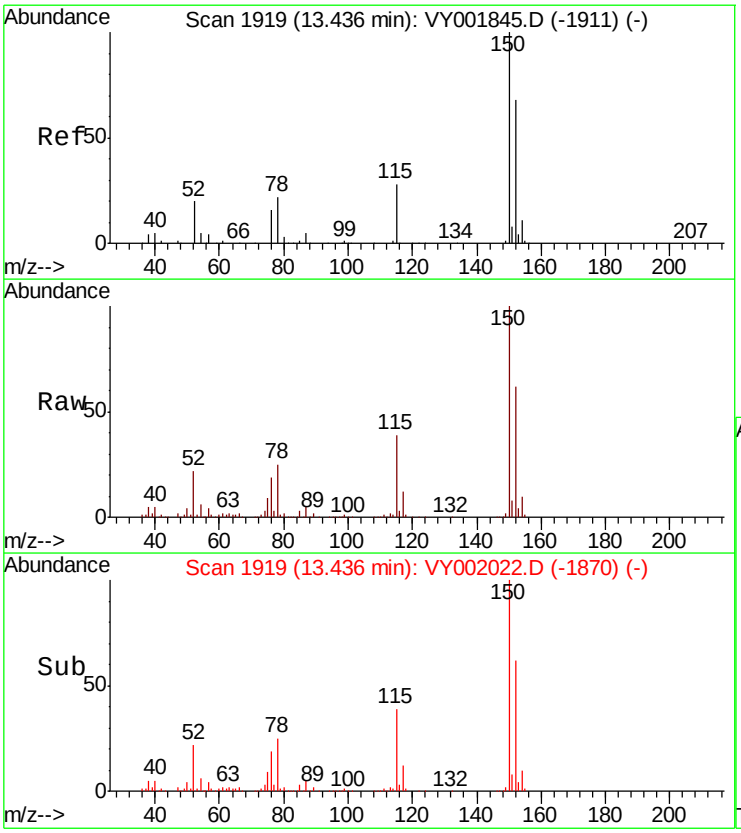

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion:117 Resp: 208780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 44.5 | 66.7 |
| 119 | 32.1 | 25.7 | 38.5 |

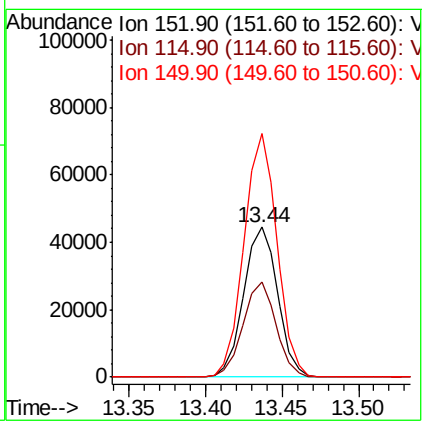


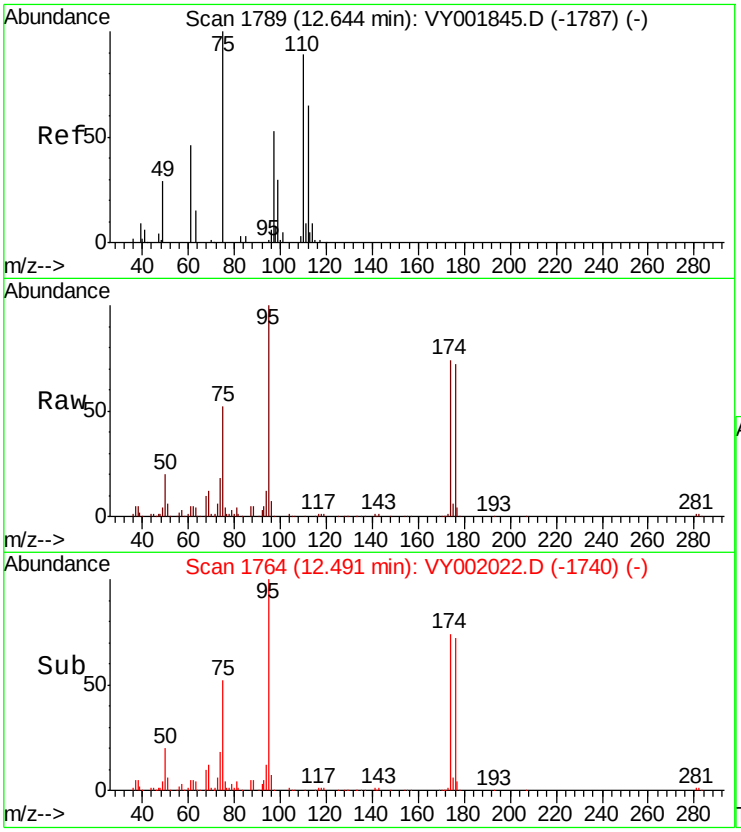




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion:152 Resp: 68415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.6 | 29.9 | 89.7 |
| 150 | 158.2 | 0.0 | 340.6 |



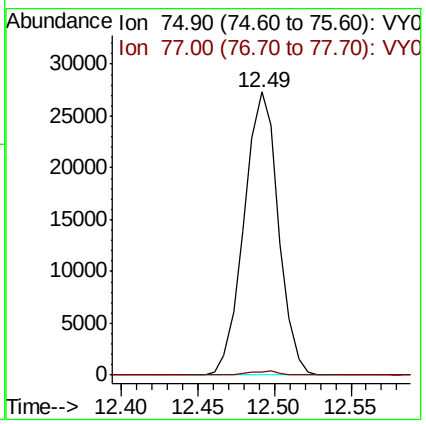


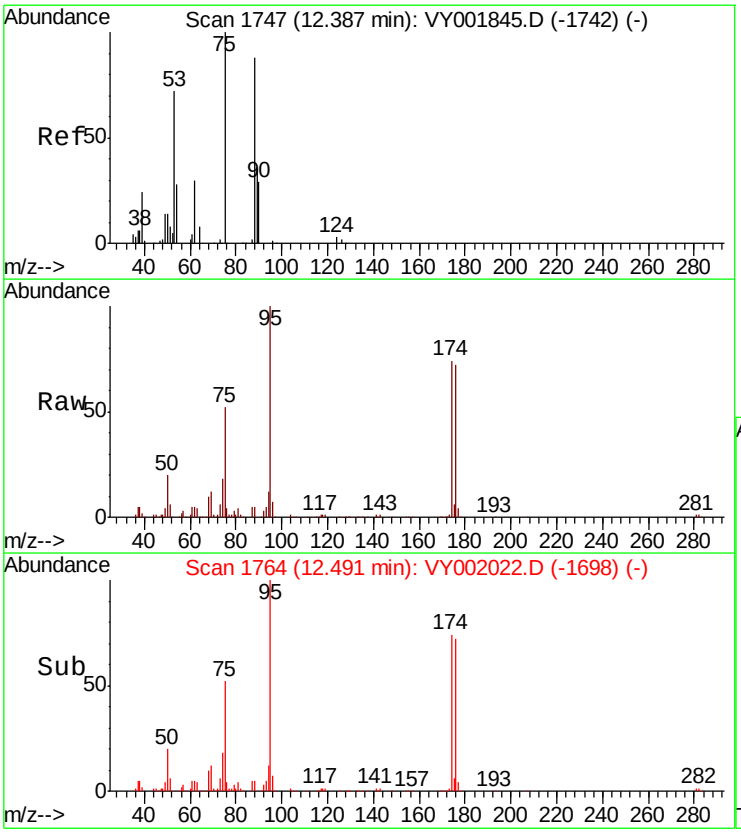

#76
1,2,3-Trichloropropane
Concen: 52.533 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

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

Tgt Ion: 75 Resp: 42646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.4 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 106.115 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.10 min
Lab File: VY002022.D
Acq: 19 Mar 2020 15:28

Tgt Ion: 75 Resp: 42646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 65.4 | 98.0# |
| 89 | 0.0 | 36.0 | 54.0# |