Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090120\
Data File : VX018201.D
Acq On : 01 Sep 2020 18:42
Operator : JC/SP
Sample : PB131314ZHE#17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB131314ZHE#17

Quant Time: Sep 02 02:53:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.63 | 168 | 416769 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.83 | 114 | 680141 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 680468 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 301369 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 310838 | 53.72 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.44% | | | |
| 35) Dibromofluoromethane | 5.46 | 113 | 240189 | 51.85 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.70% | | | |
| 50) Toluene-d8 | 8.70 | 98 | 863293 | 50.04 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.08% | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 317584 | 46.79 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.58% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 1.63 | 94 | 647 | 0.252 | ug/l # | 14 |
| 6) Chloroethane | 1.73 | 64 | 629 | 0.220 | ug/l # | 57 |
| 10) Methyl Iodide | 2.50 | 142 | 105 | 5.309 | ug/l # | 1 |
| 11) Tert butyl alcohol | 3.00 | 59 | 1505 | 1.338 | ug/l # | 77 |
| 13) Acrolein | 2.27 | 56 | 342 | 0.733 | ug/l # | 60 |
| 16) Acetone | 2.42 | 43 | 36958 | 16.393 | ug/l # | 80 |
| 18) Methyl Acetate | 2.76 | 43 | 7673 | 1.410 | ug/l # | 85 |
| 20) Methylene Chloride | 2.84 | 84 | 11016 | 1.251 | ug/l | 97 |
| 25) 2-Butanone | 4.65 | 43 | 11537 | 3.114 | ug/l | 94 |
| 29) Tetrahydrofuran | 5.10 | 42 | 3029 | 1.284 | ug/l # | 45 |
| 31) Cyclohexane | 5.63 | 56 | 8225 | 1.188 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 5.63 | 75 | 33243 | 5.299 | ug/l # | 51 |
| 38) Carbon Tetrachloride | 5.63 | 117 | 43730 | 6.186 | ug/l # | 17 |
| 43) Isopropyl Acetate | 6.42 | 43 | 123999 | 10.537 | ug/l | 99 |
| 48) Methyl methacrylate | 7.65 | 41 | 6849 | 1.169 | ug/l # | 16 |
| 49) 1,4-Dioxane | 7.71 | 88 | 68 | 0.641 | ug/l # | 23 |
| 51) 4-Methyl-2-Pentanone | 8.60 | 43 | 122019 | 16.785 | ug/l # | 50 |
| 54) cis-1,3-Dichloropropene | 8.60 | 75 | 51031 | 6.231 | ug/l # | 60 |
| 57) 1,3-Dichloropropane | 9.52 | 76 | 10056 | 1.223 | ug/l # | 45 |
| 59) 2-Hexanone | 9.42 | 43 | 119089 | 21.545 | ug/l # | 25 |
| 74) N-amyl acetate | 10.81 | 43 | 6636 | 0.704 | ug/l # | 51 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 162895 | 24.298 | ug/l # | 36 |
| 80) 1,3,5-Trimethylbenzene | 11.49 | 105 | 10829 | 0.663 | ug/l | 87 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 162895 | 65.625 | ug/l # | 12 |

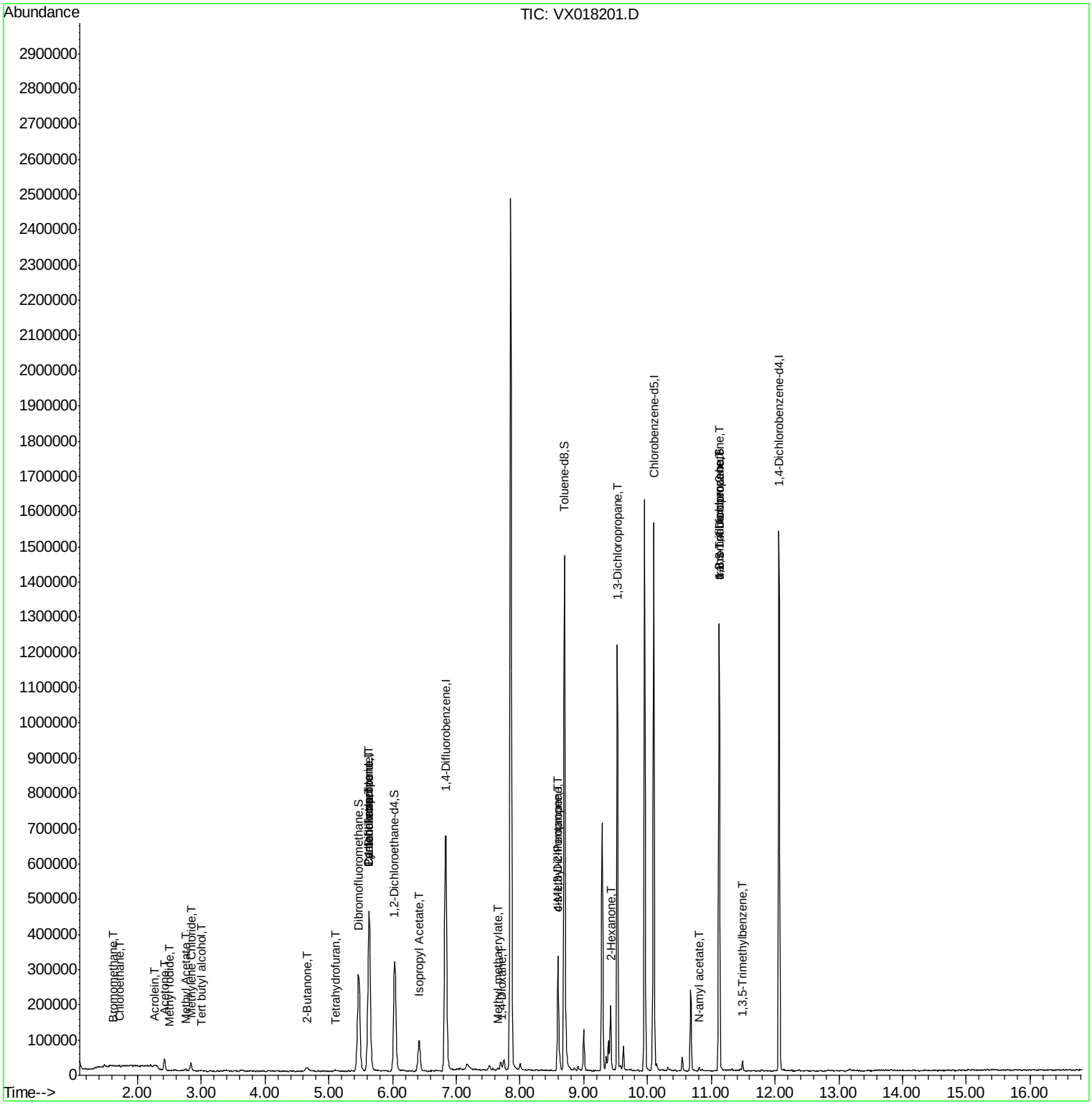
(#) = qualifier out of range (m) = manual integration (+) = signals summed

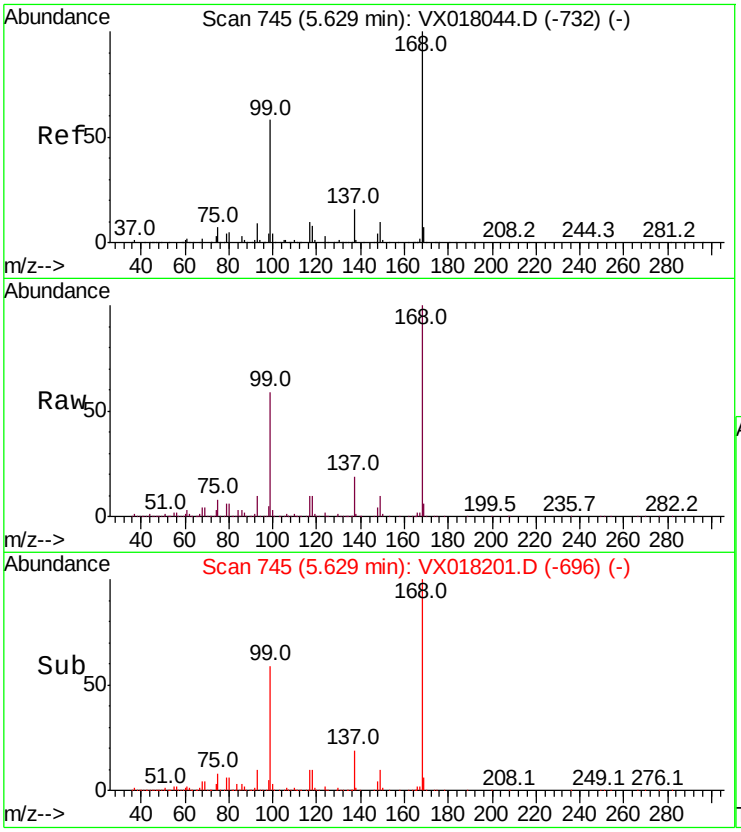
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090120\
Data File : VX018201.D
Acq On : 01 Sep 2020 18:42
Operator : JC/SP
Sample : PB131314ZHE#17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Quant Time: Sep 02 02:53:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration



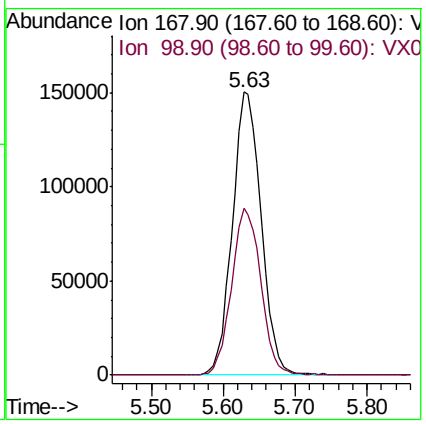


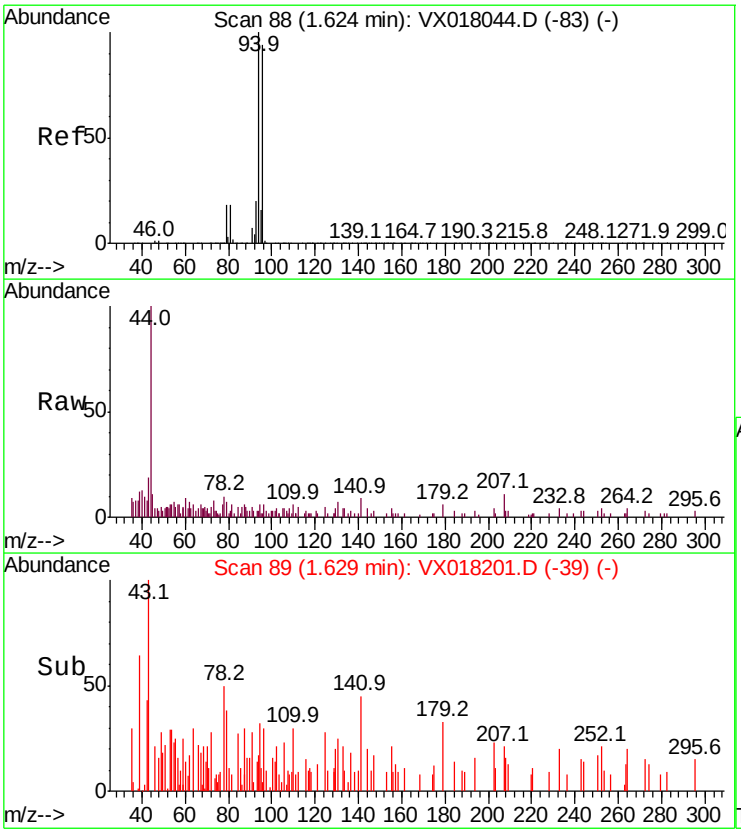

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion:168 Resp: 416769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.7 | 46.3 | 69.5 |

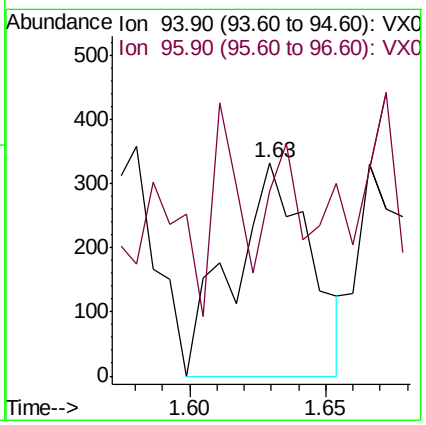


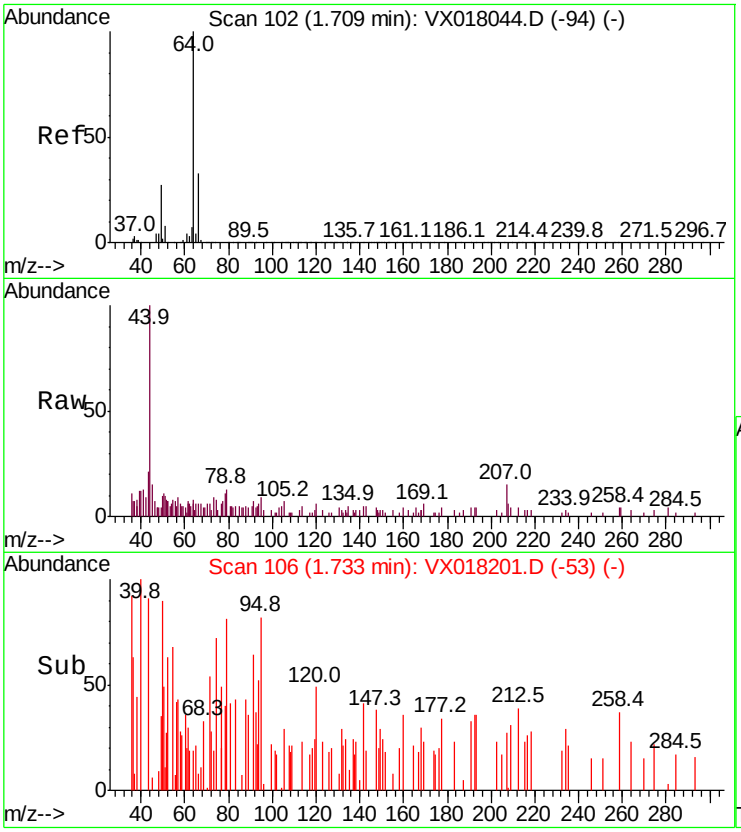




#5
Bromomethane
Concen: 0.252 ug/l
RT: 1.63 min Scan# 89
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 94 Resp: 647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 10.5 | 74.8 | 112.2# |



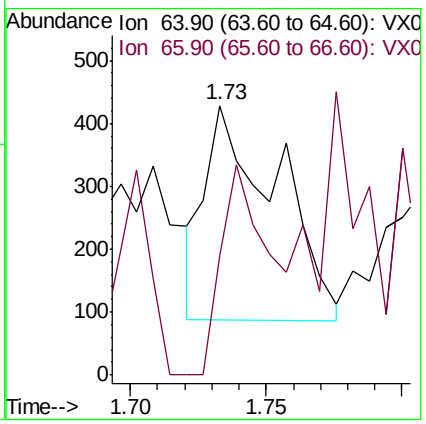


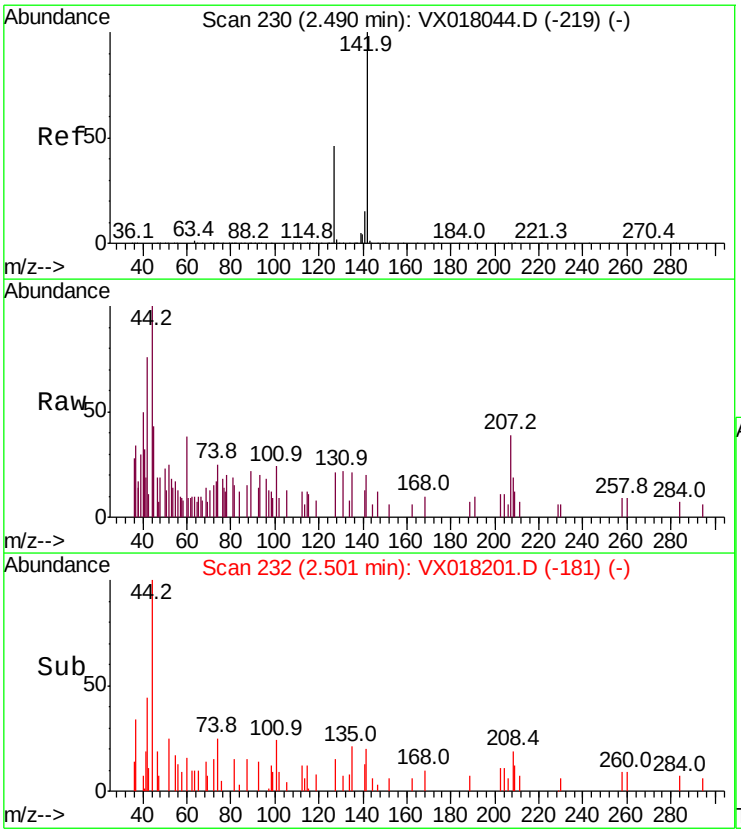

#6
Chloroethane
Concen: 0.220 ug/l
RT: 1.73 min Scan# 106
Delta R.T. 0.02 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 64 Resp: 629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 9.0 | 26.6 | 39.8# |

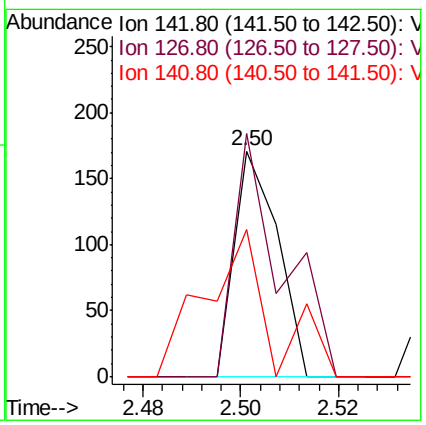


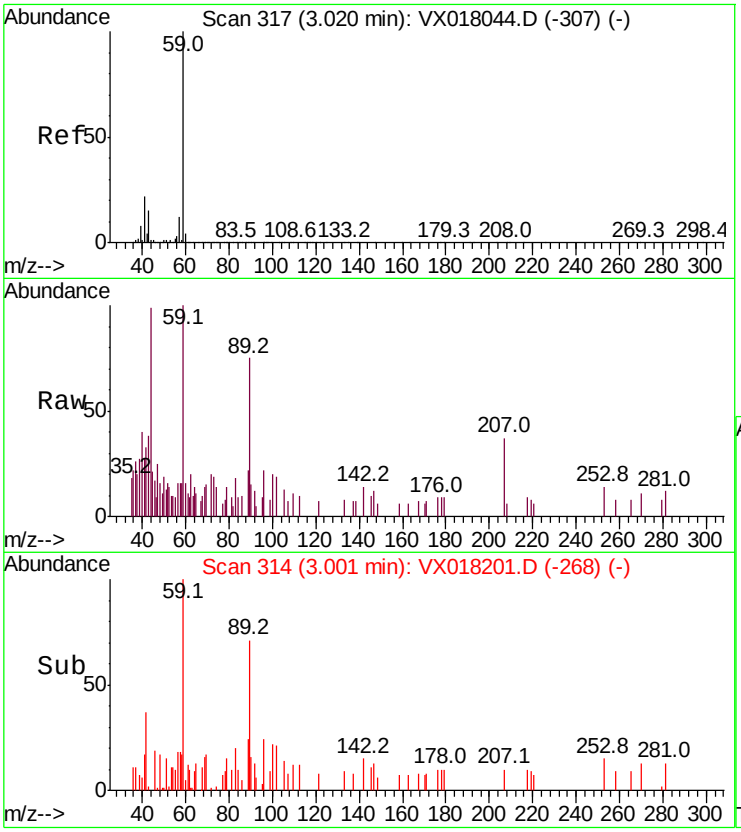




#10
Methyl Iodide
Concen: 5.309 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion:142 Resp: 105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 119.0 | 37.0 | 55.6# |
| 141 | 99.0 | 11.5 | 17.3# |



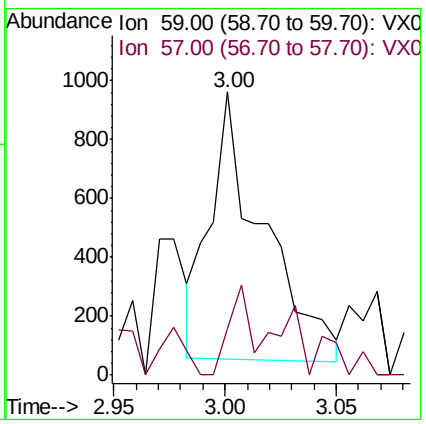


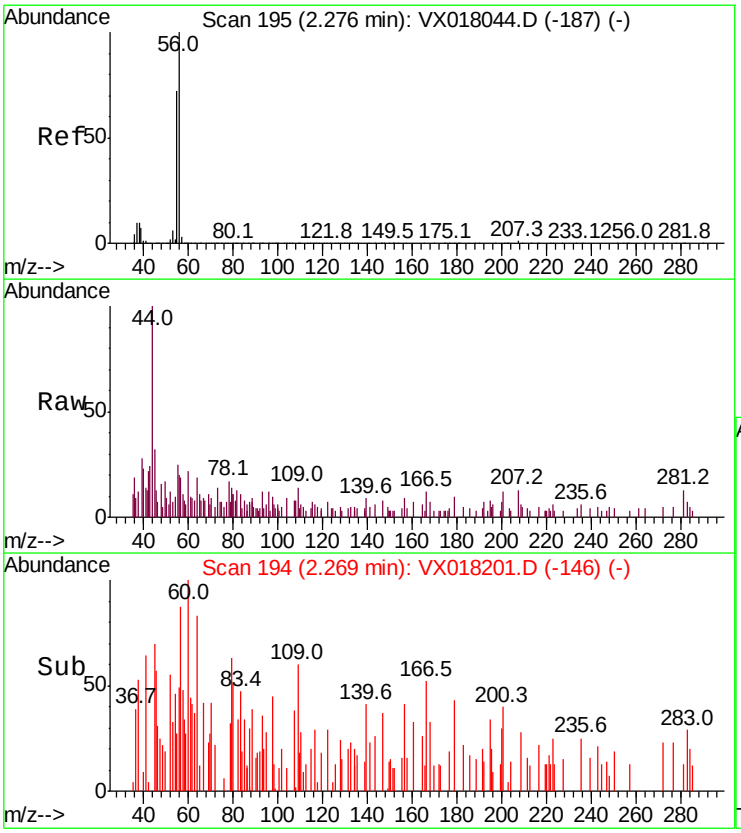

#11
Tert butyl alcohol
Concen: 1.338 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :** MSVOA_X
**ClientSampleId :** PB131314ZHE#17

Tgt Ion: 59 Resp: 1505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 19.9 | 8.9 | 13.3# |

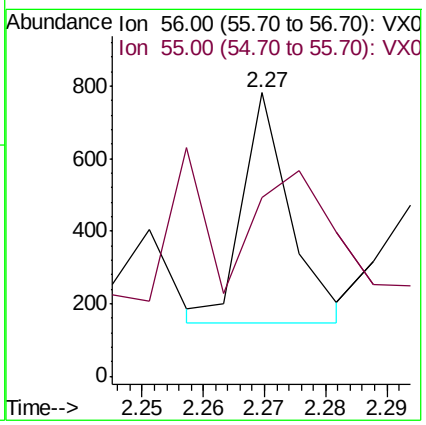


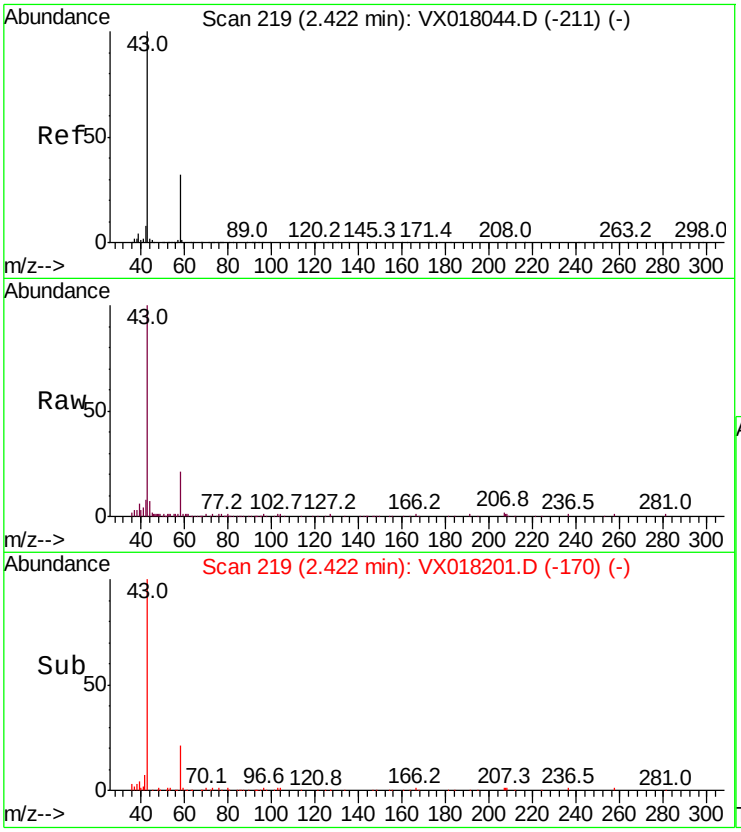




#13
Acrolein
Concen: 0.733 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 56 Resp: 342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 104.4 | 57.0 | 85.6# |



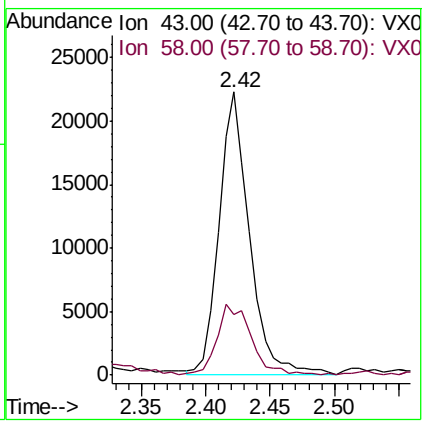


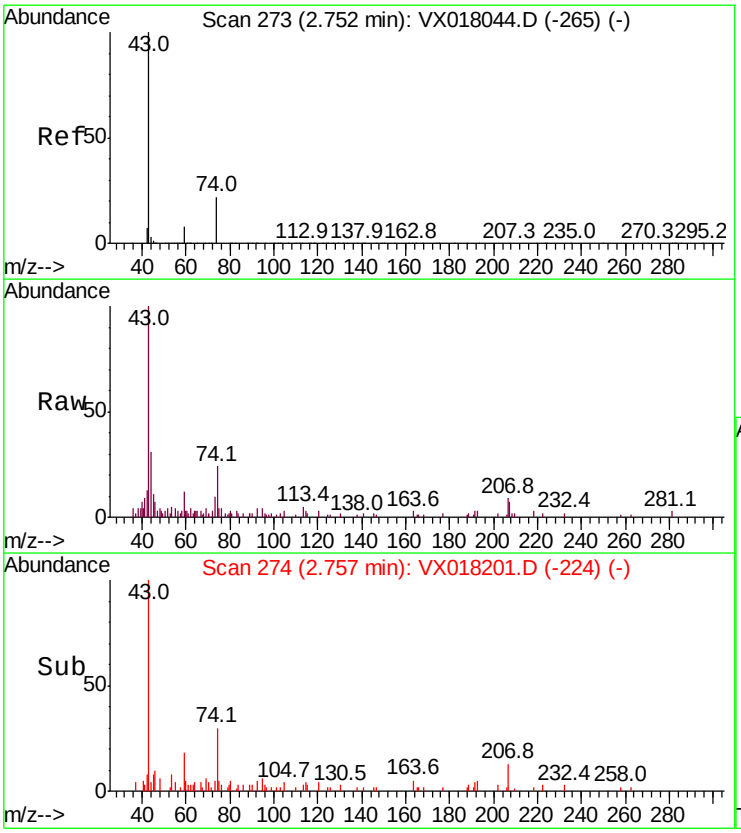

#16
Acetone
Concen: 16.393 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 43 Resp: 36958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.0 | 25.5 | 38.3# |

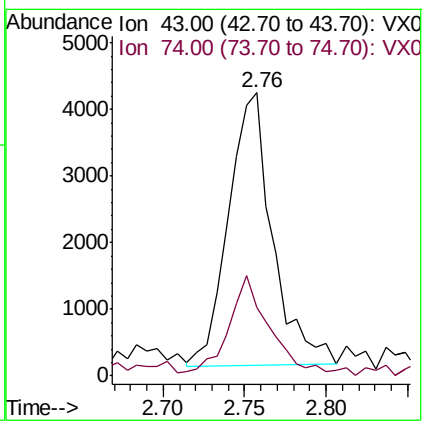


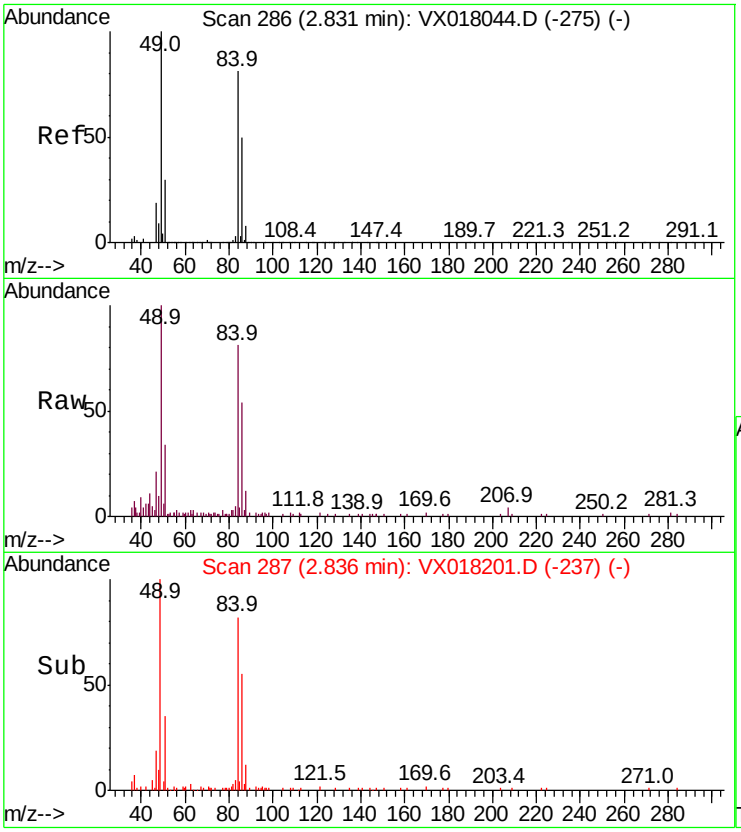




#18
Methyl Acetate
Concen: 1.410 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 43 Resp: 7673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 30.2 | 18.2 | 27.4# |



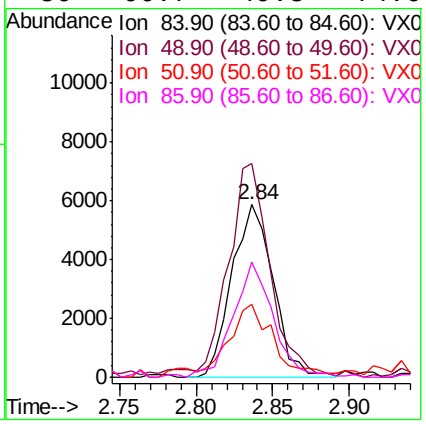


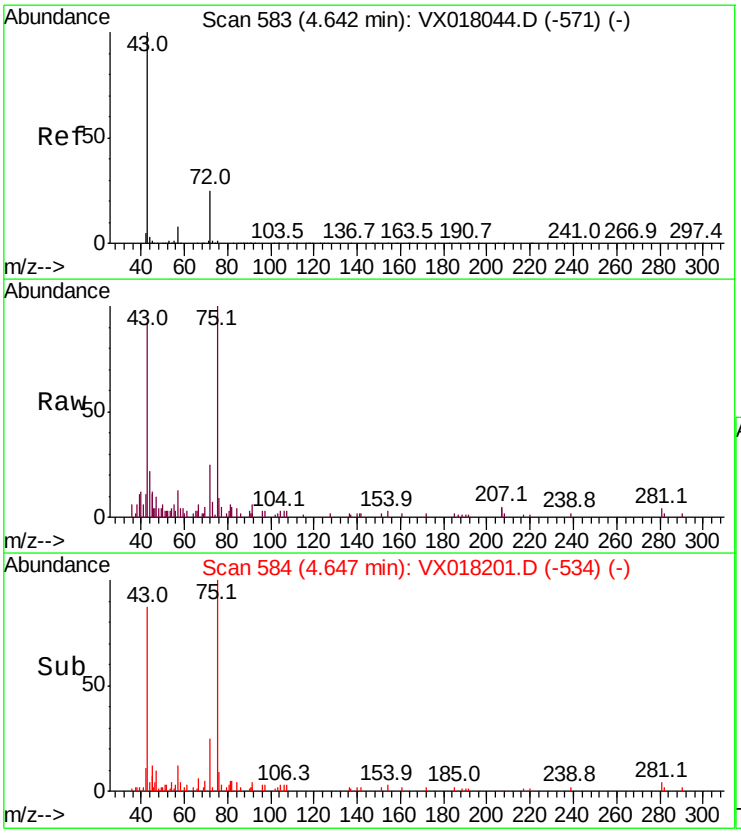

#20
Methylene Chloride
Concen: 1.251 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :** MSVOA_X
**ClientSampleId :** PB131314ZHE#17

Tgt Ion: 84 Resp: 11016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.7 | 98.6 | 148.0 |
| 51 | 39.7 | 29.6 | 44.4 |
| 86 | 66.7 | 49.8 | 74.6 |

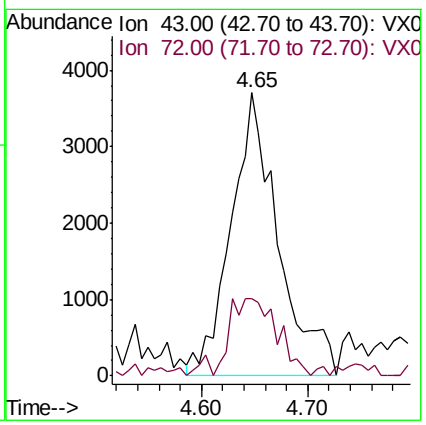


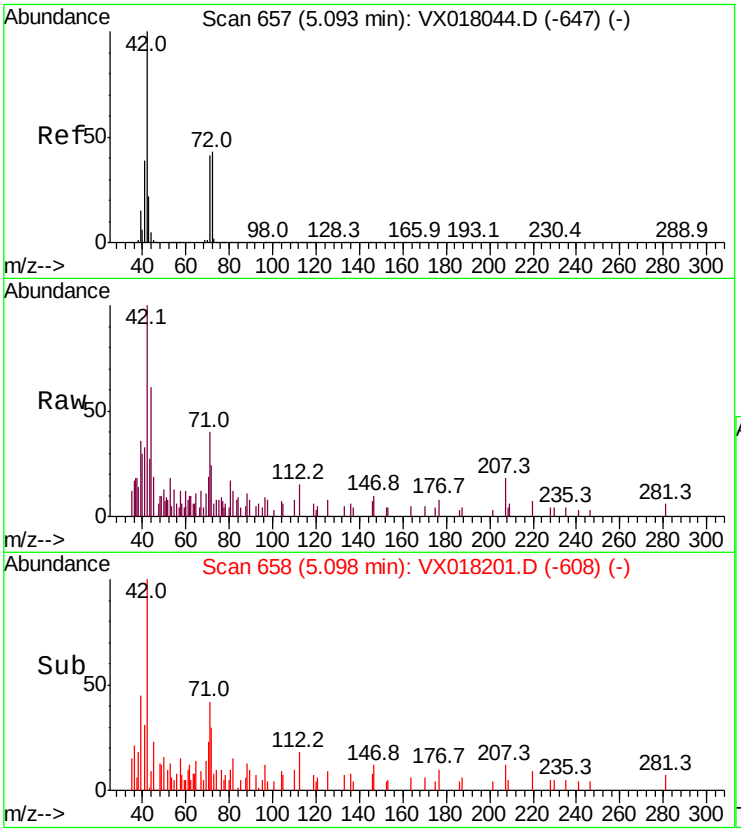




#25
2-Butanone
Concen: 3.114 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 43 Resp: 11537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.5 | 19.8 | 29.6 |



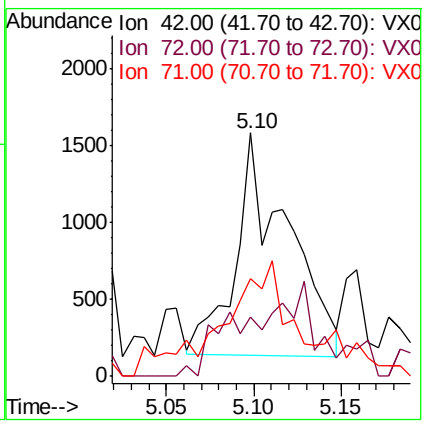


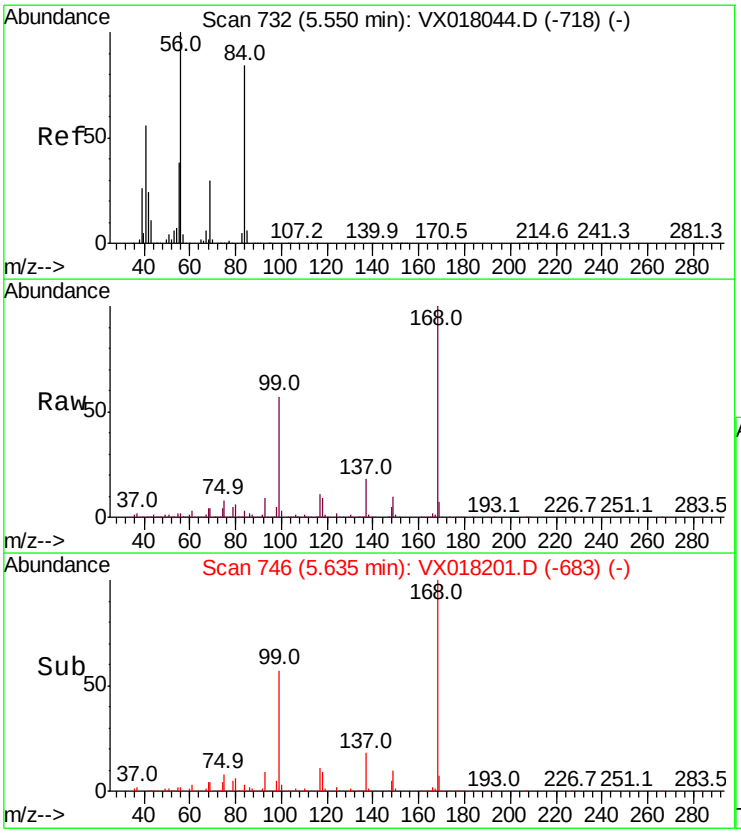

#29
Tetrahydrofuran
Concen: 1.284 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 42 Resp: 3029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 34.2 | 51.4# |
| 71 | 66.5 | 32.1 | 48.1# |

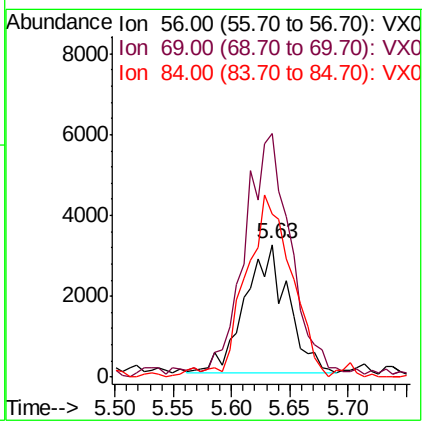


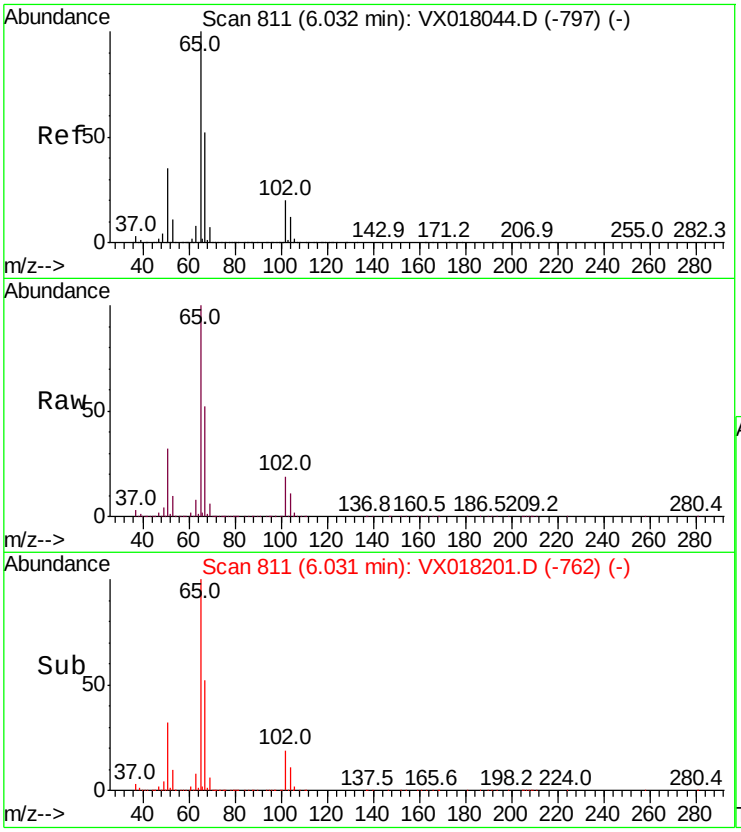




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 56 Resp: 8225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 185.4 | 23.9 | 35.9# |
| 84 | 122.9 | 67.0 | 100.4# |



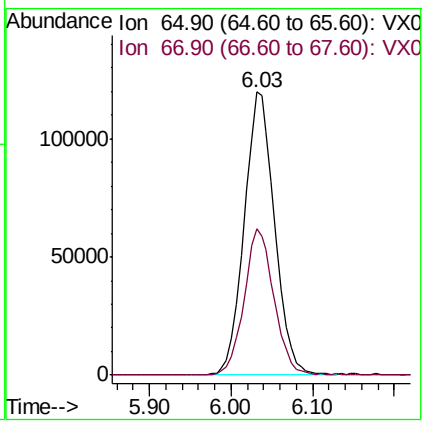


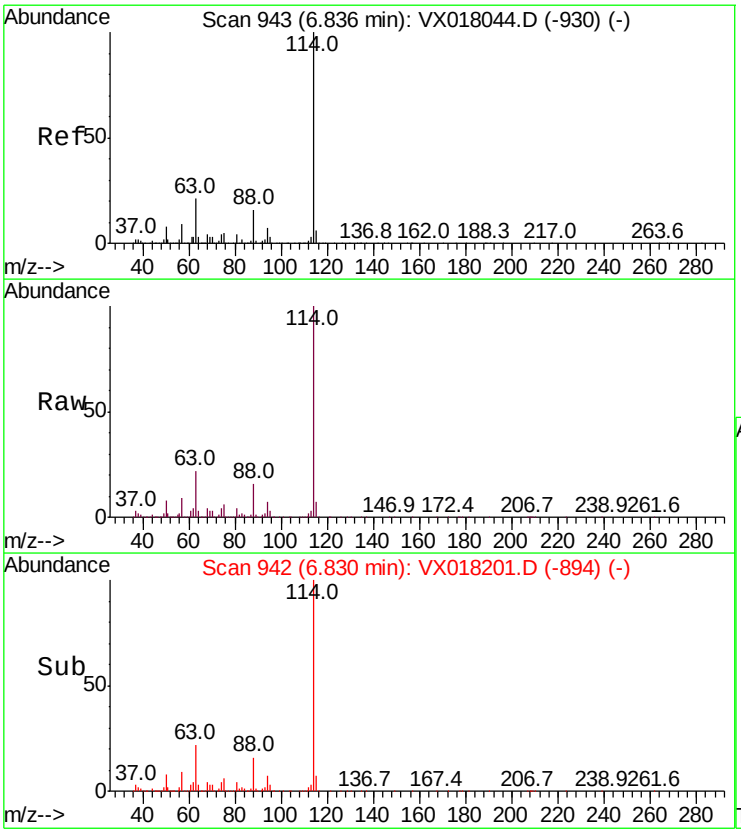

#33
1,2-Dichloroethane-d4
Concen: 53.724 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 65 Resp: 310838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 105.8 |

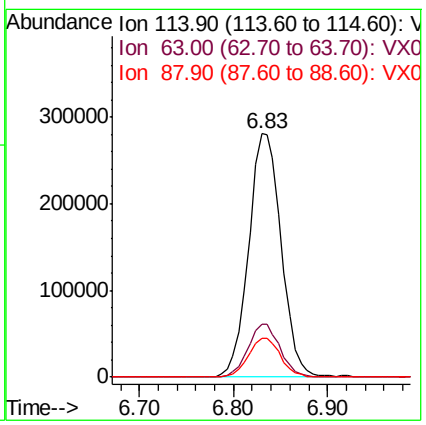


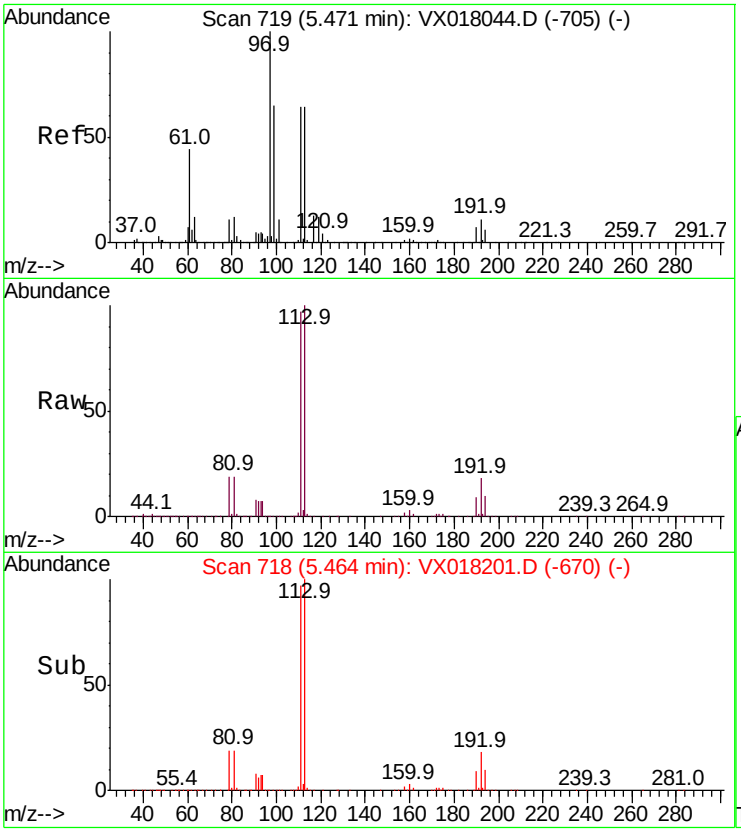




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion:114 Resp: 680141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 42.6 |
| 88 | 16.0 | 0.0 | 31.8 |



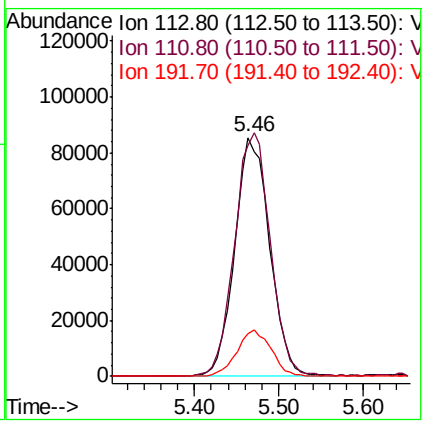


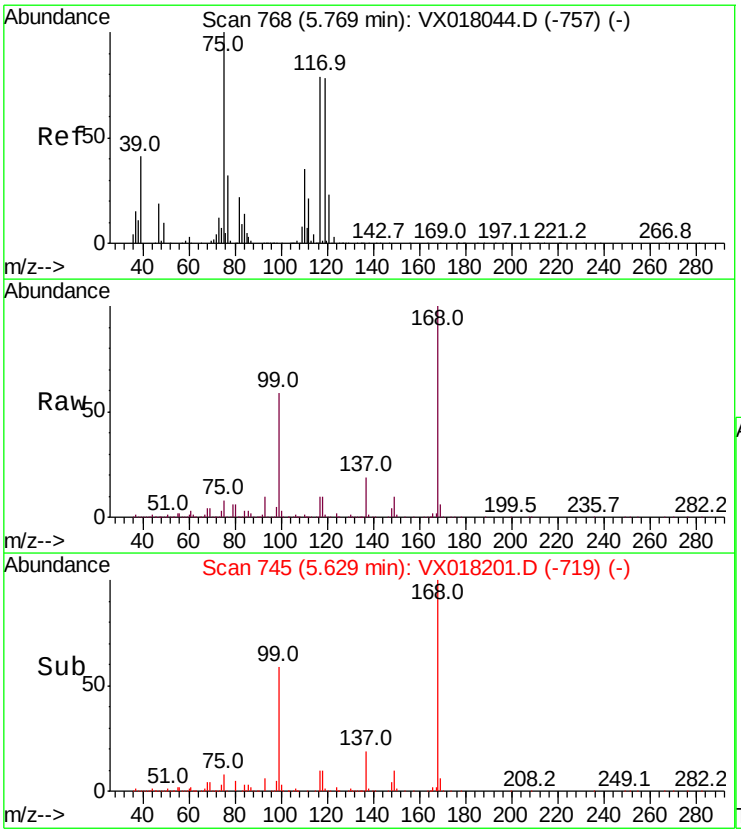

#35
Dibromofluoromethane
Concen: 51.853 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion:113 Resp: 240189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.1 | 81.6 | 122.4 |
| 192 | 19.2 | 15.8 | 23.8 |

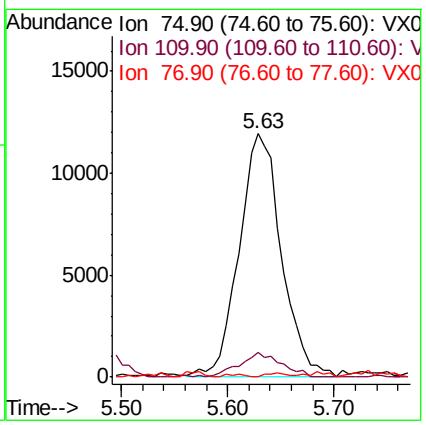


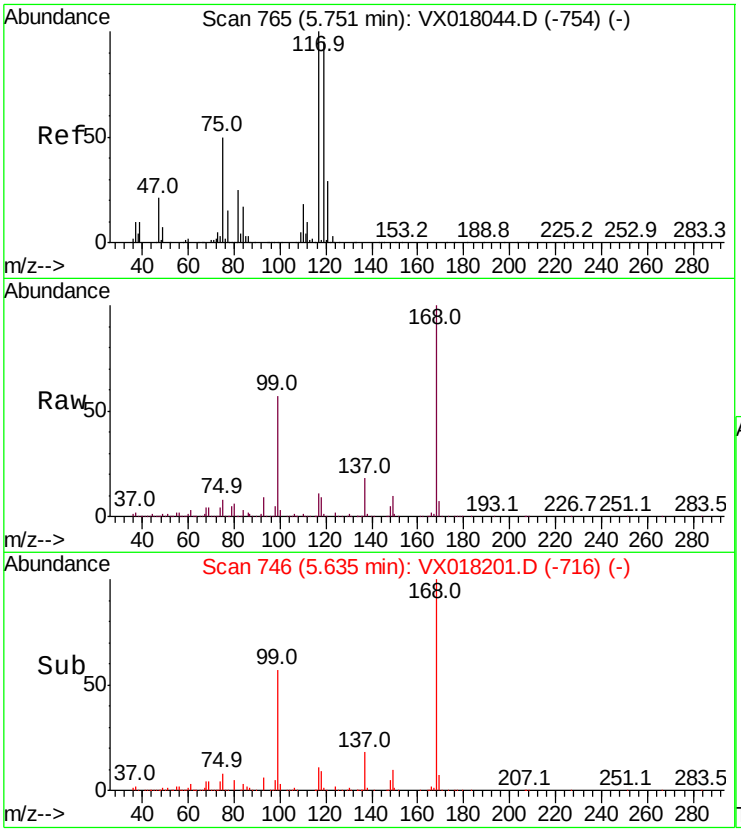




#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 75 Resp: 33243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.9 | 18.0 | 54.0# |
| 77 | 0.8 | 24.4 | 36.6# |



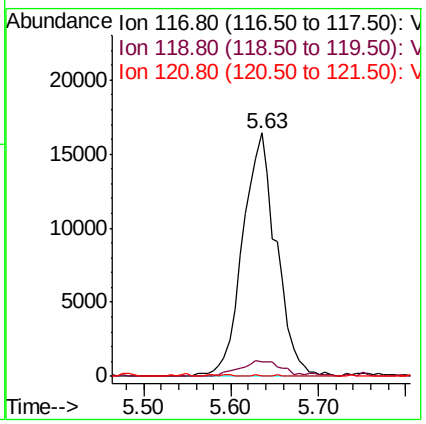


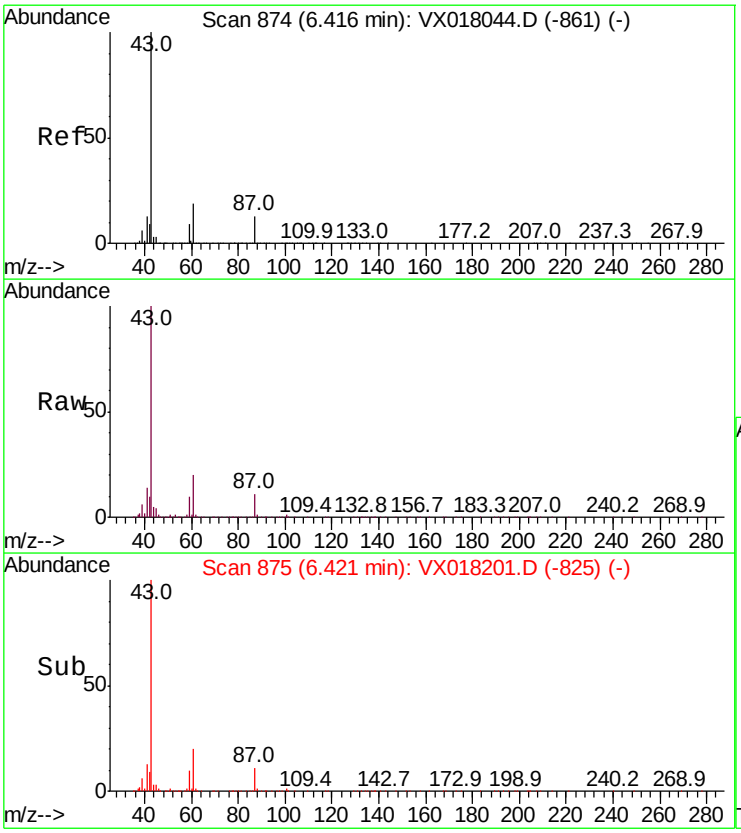

#38
Carbon Tetrachloride
Concen: 6.186 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion:117 Resp: 43730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.8 | 75.8 | 113.6# |
| 121 | 0.0 | 23.4 | 35.0# |

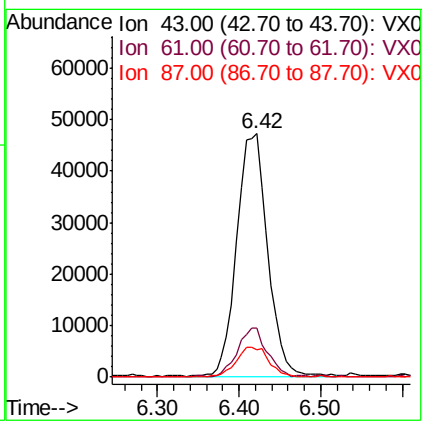


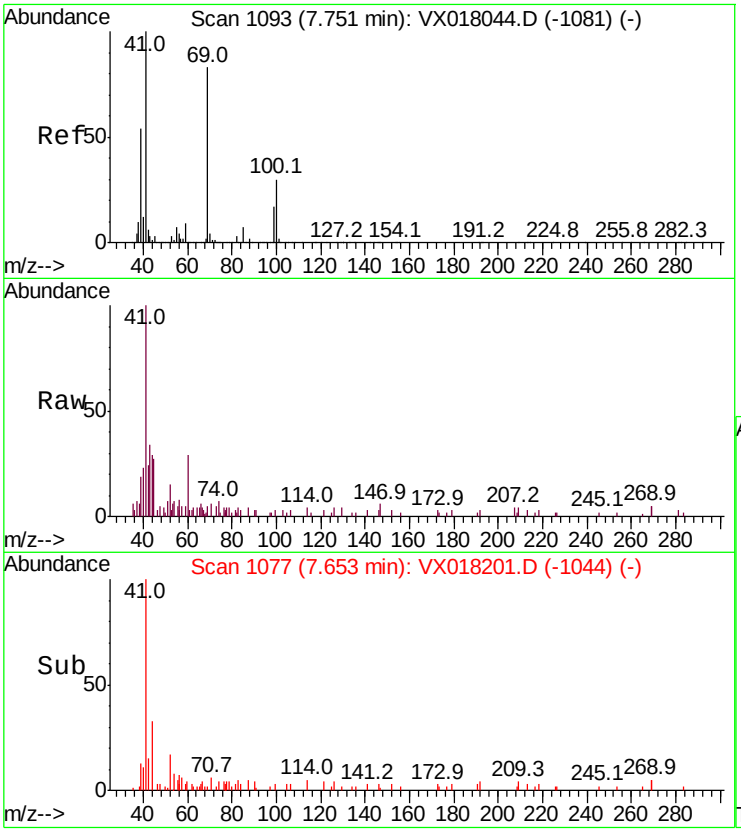




#43
Isopropyl Acetate
Concen: 10.537 ug/l
RT: 6.42 min Scan# 875
Delta R.T. 0.01 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 43 Resp: 123999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.7 | 23.5 |
| 87 | 13.2 | 10.3 | 15.5 |



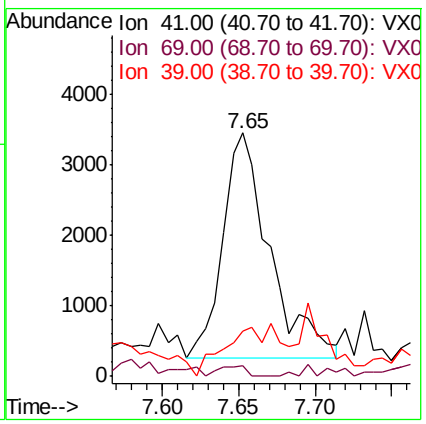


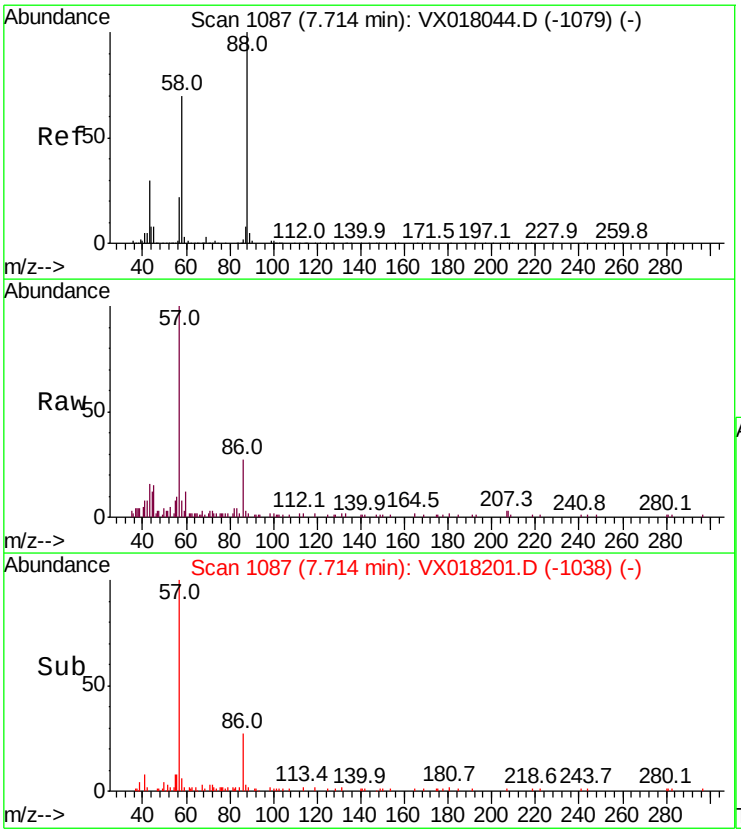

#48
Methyl methacrylate
Concen: 1.169 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 41 Resp: 6849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 2.7 | 65.5 | 98.3# |
| 39 | 0.0 | 44.5 | 66.7# |

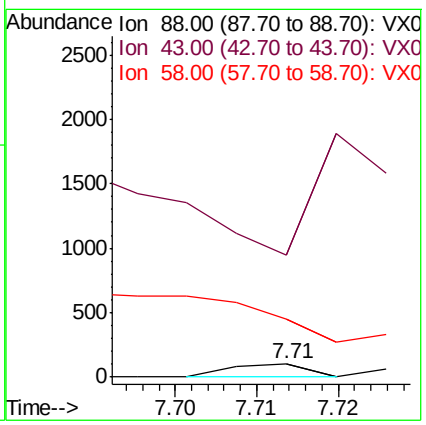


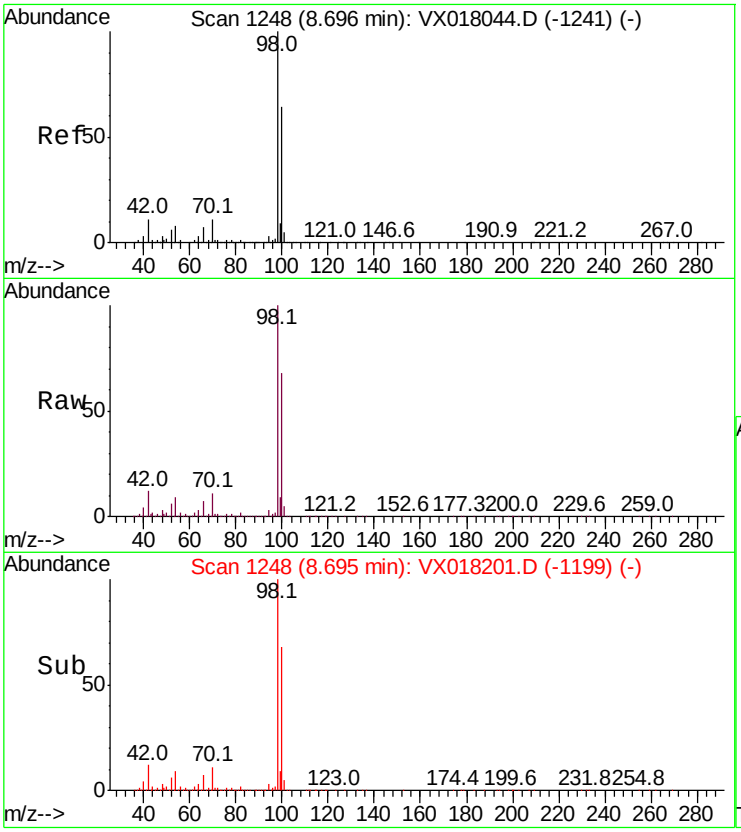




#49
1,4-Dioxane
Concen: 0.641 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 88 Resp: 68

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.4 | 41.0# |
| 58 | 0.0 | 56.4 | 84.6# |



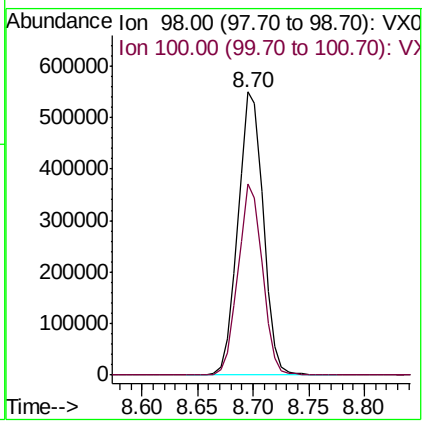


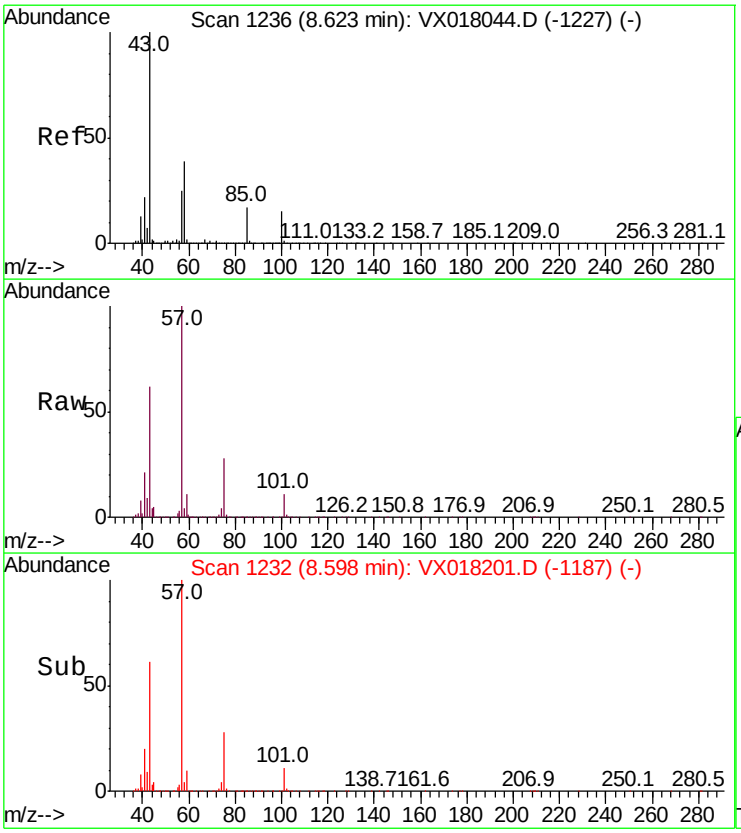

#50
Toluene-d8
Concen: 50.039 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 98 Resp: 863293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.3 | 52.2 | 78.4 |

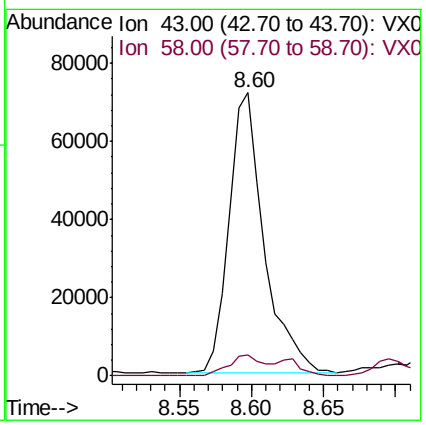


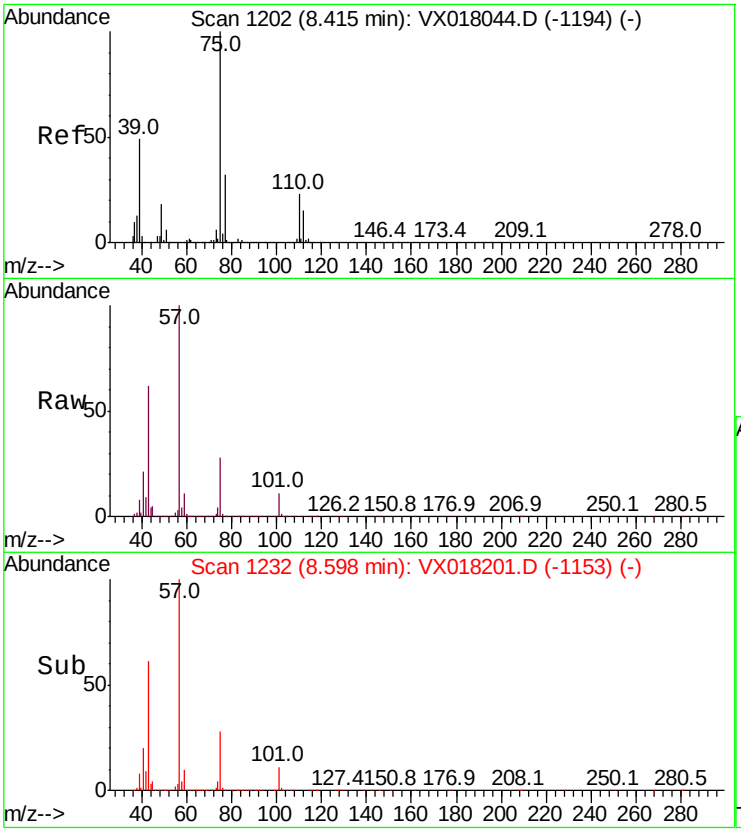




#51
4-Methyl-2-Pentanone
Concen: 16.785 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. -0.02 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 43 Resp: 122019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 8.1 | 30.7 | 46.1# |



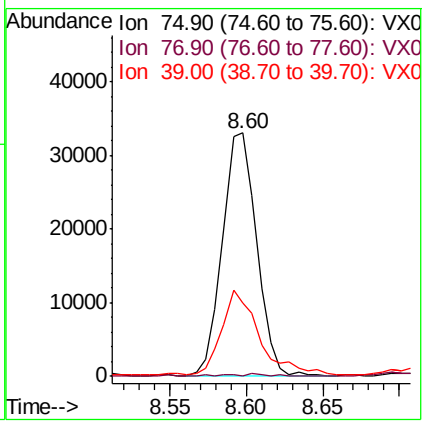


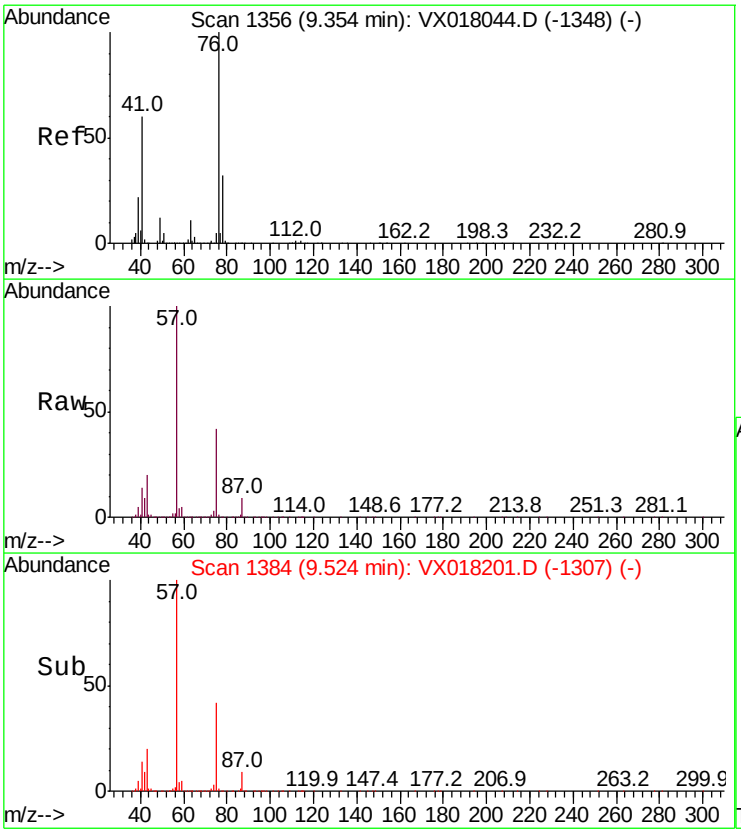

#54
cis-1,3-Dichloropropene
Concen: 6.231 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. 0.18 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :** MSVOA_X
**ClientSampleId :** PB131314ZHE#17

Tgt Ion: 75 Resp: 51031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.3 | 25.8 | 38.8# |
| 39 | 29.7 | 38.8 | 58.2# |

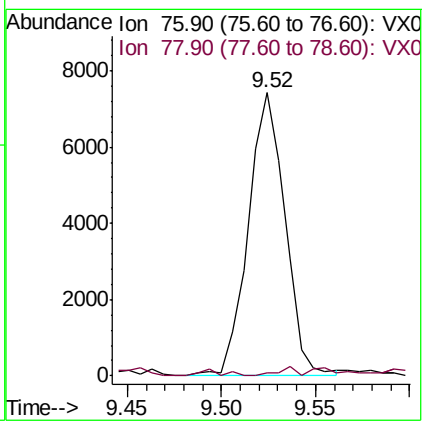


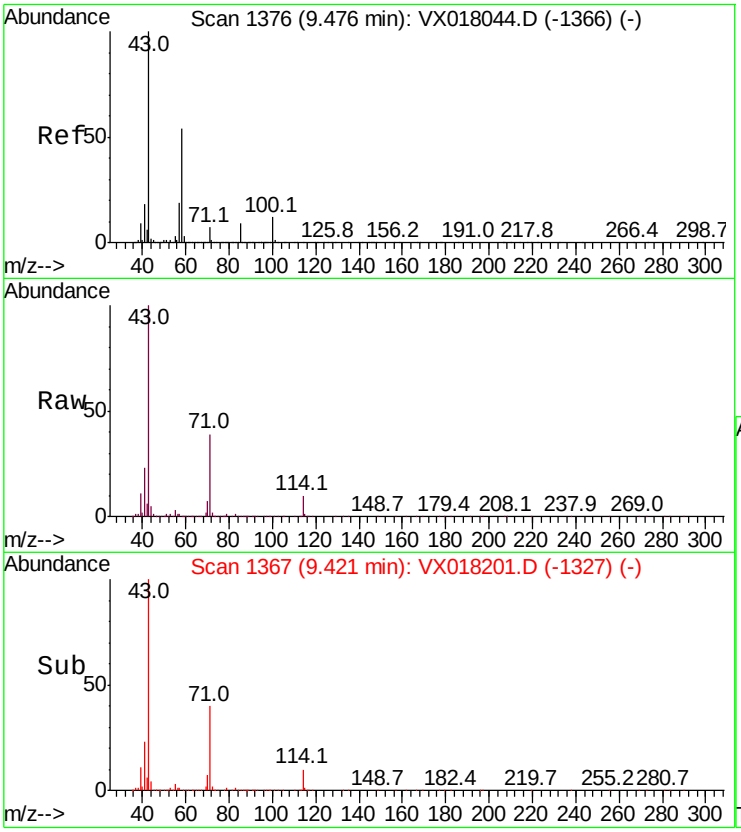




#57
1,3-Dichloropropane
Concen: 1.223 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.17 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 76 Resp: 10056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 1.6 | 25.8 | 38.6# |



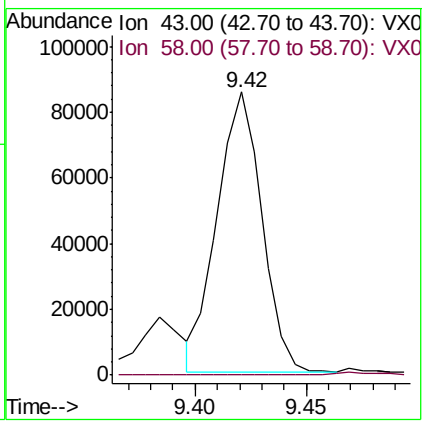


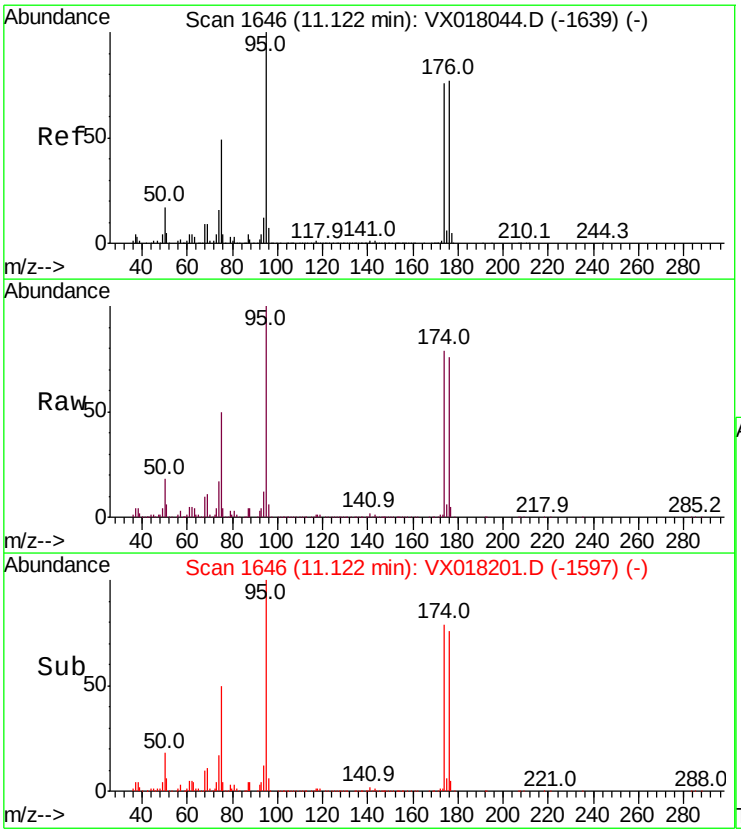

#59
2-Hexanone
Concen: 21.545 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :** MSVOA_X
**ClientSampleId :** PB131314ZHE#17

Tgt Ion: 43 Resp: 119089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 26.6 | 79.7# |

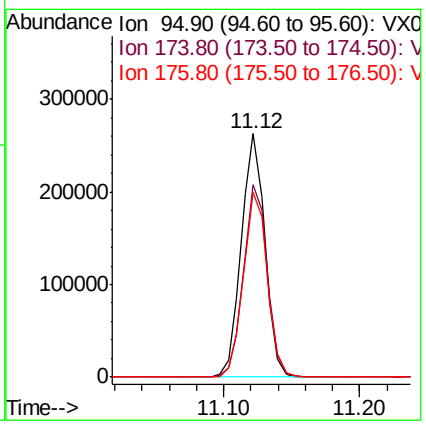


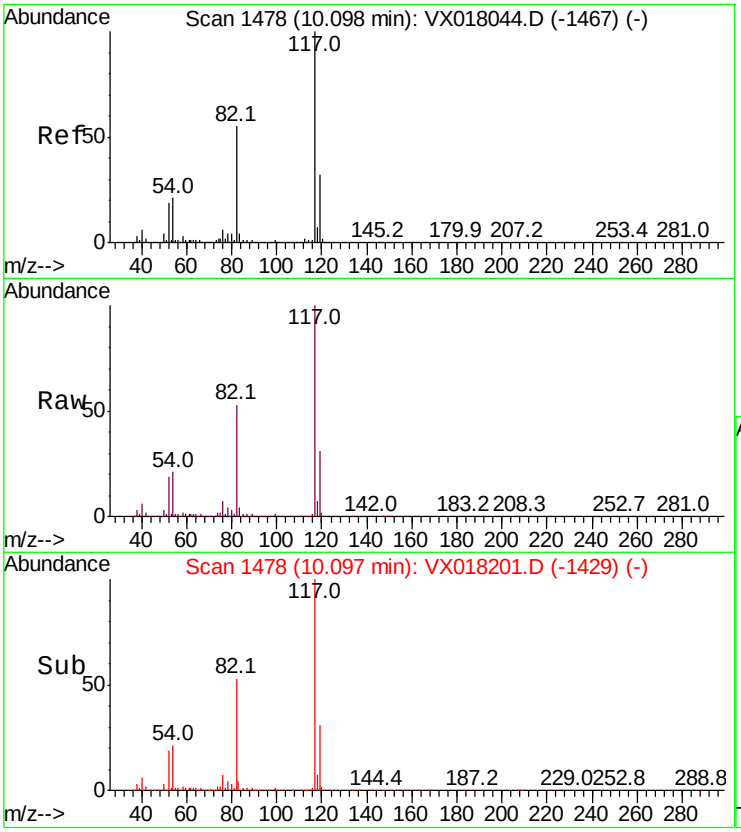




#62
4-Bromofluorobenzene
Concen: 46.787 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 95 Resp: 317584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.5 | 0.0 | 160.2 |
| 176 | 77.5 | 0.0 | 155.8 |



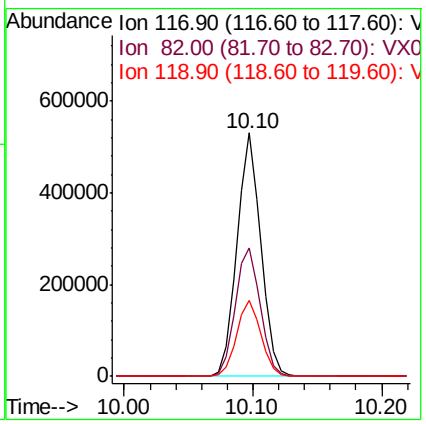


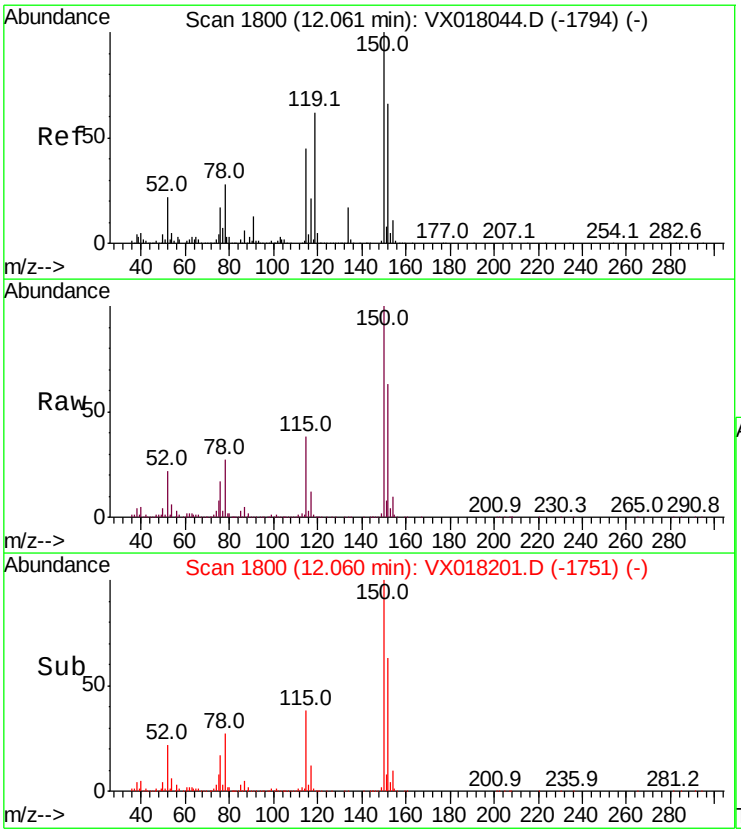

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion:117 Resp: 680468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.7 | 44.2 | 66.2 |
| 119 | 31.3 | 25.7 | 38.5 |

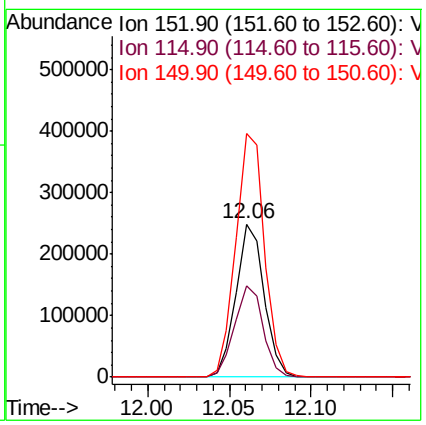


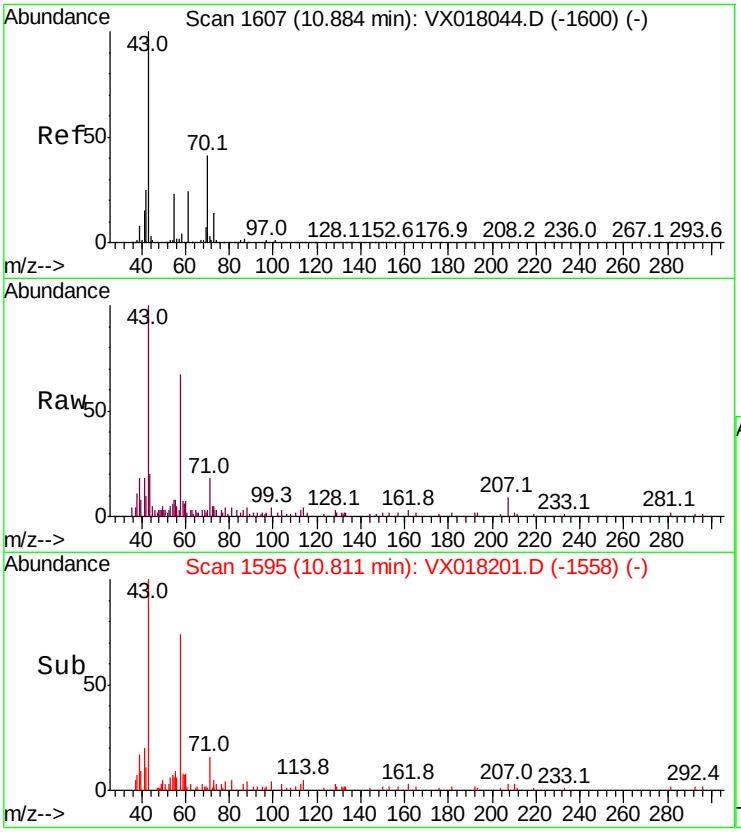




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion:152 Resp: 301369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 41.5 | 124.5 |
| 150 | 162.0 | 0.0 | 343.8 |



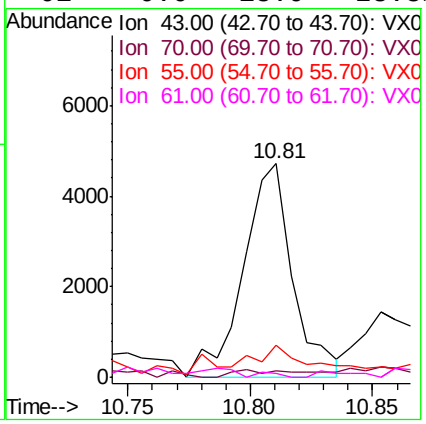


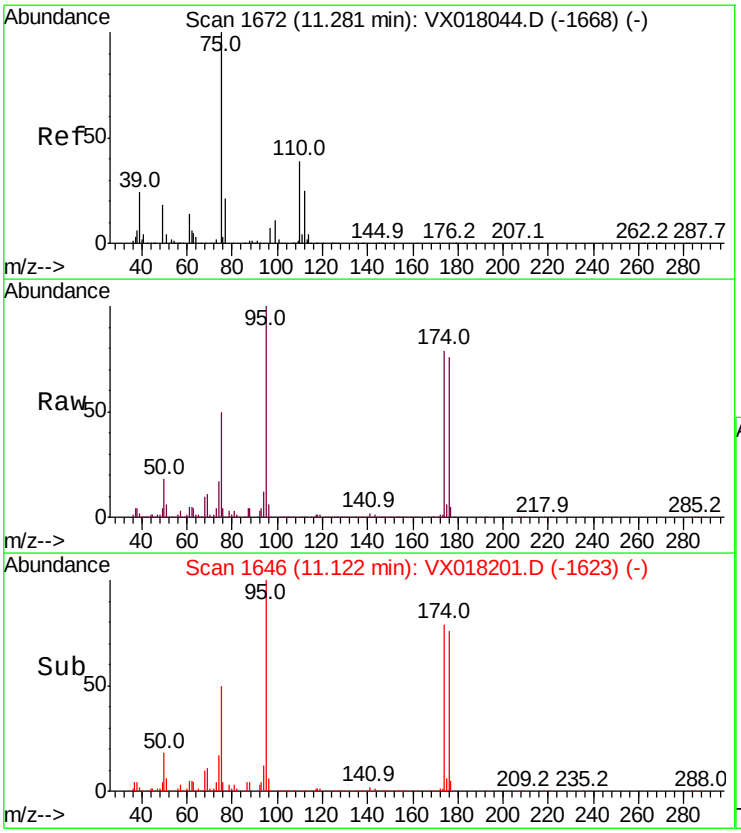

#74
N-amyl acetate
Concen: 0.704 ug/l
RT: 10.81 min Scan# 1595
Delta R.T. -0.07 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion: 43 Resp: 6636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 2.1 | 32.3 | 48.5# |
| 55 | 8.8 | 18.2 | 27.2# |
| 61 | 0.0 | 18.9 | 28.3# |

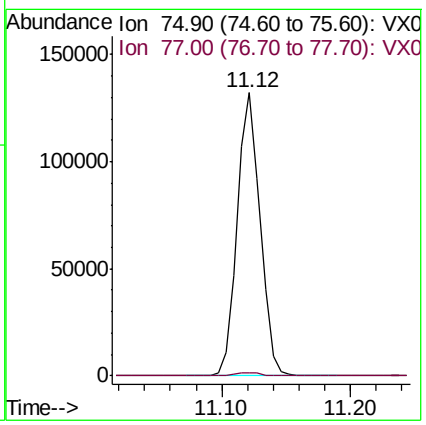


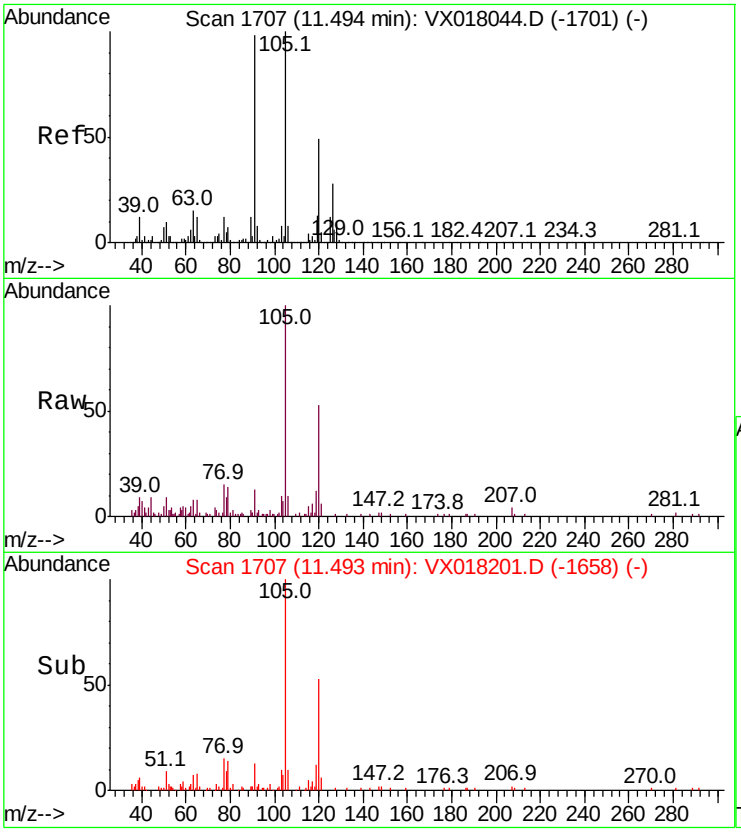




#76
1,2,3-Trichloropropane
Concen: 24.298 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 75 Resp: 162895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 20.8 | 62.2# |



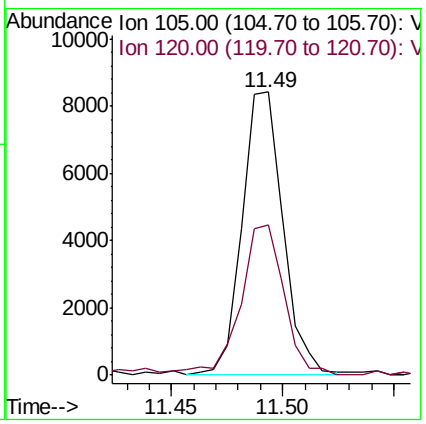


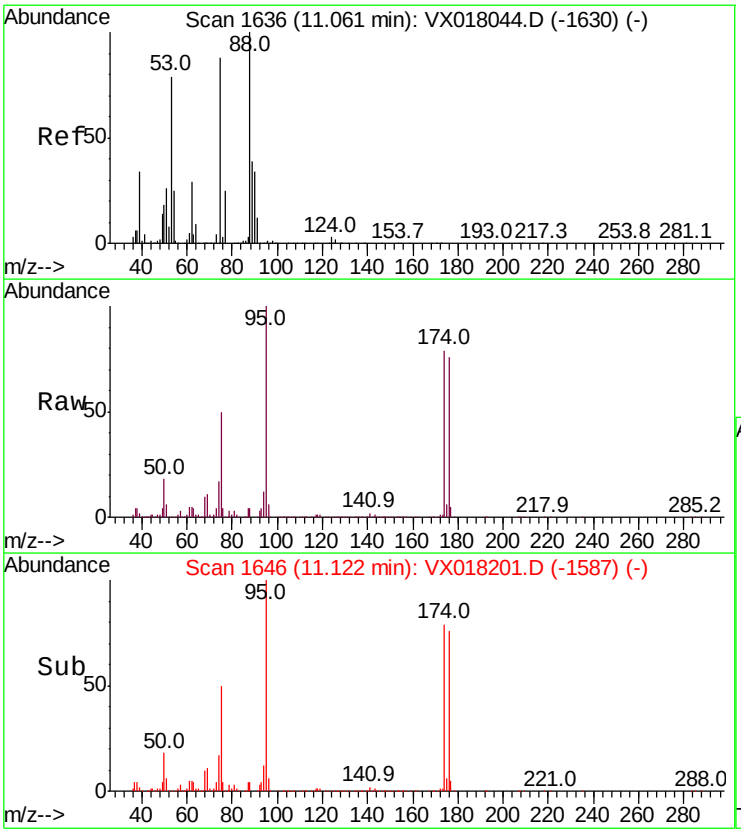

#80
1,3,5-Trimethylbenzene
Concen: 0.663 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131314ZHE#17

Tgt Ion:105 Resp: 10829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 56.7 | 24.1 | 72.2 |




#81
trans-1,4-Dichloro-2-butene
Concen: 65.625 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018201.D
Acq: 01 Sep 2020 18:42

Tgt Ion: 75 Resp: 162895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.4 | 74.7 | 112.1# |
| 89 | 0.1 | 36.6 | 54.8# |