Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX063020\
Data File : VX017082.D
Acq On : 01 Jul 2020 06:26
Operator : JC/SP
Sample : PB129852ZHE#18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 55 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB129852ZHE#18

Quant Time: Jul 01 08:26:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.64 | 168 | 219275 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.84 | 114 | 381916 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 410671 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152 | 211824 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.04 | 65 | 148203 | 54.82 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 109.64% | | | | |
| 35) Dibromofluoromethane | 5.47 | 113 | 129401 | 53.56 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.12% | | | | |
| 50) Toluene-d8 | 8.70 | 98 | 481644 | 53.91 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.82% | | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 199574 | 57.15 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 114.30% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Diethyl Ether | 2.17 | 74 | 283 | 0.602 | ug/l | # | 1 |
| 11) Tert butyl alcohol | 3.00 | 59 | 1693 | 3.283 | ug/l | # | 80 |
| 13) Acrolein | 2.28 | 56 | 360 | 1.168 | ug/l | | 92 |
| 16) Acetone | 2.42 | 43 | 15042 | 14.875 | ug/l | | 95 |
| 18) Methyl Acetate | 2.75 | 43 | 3063 | 1.160 | ug/l | | 93 |
| 20) Methylene Chloride | 2.84 | 84 | 7948 | 2.686 | ug/l | | 93 |
| 25) 2-Butanone | 4.64 | 43 | 3093 | 1.836 | ug/l | | 92 |
| 29) Tetrahydrofuran | 5.11 | 42 | 1517 | 1.363 | ug/l | | 93 |
| 31) Cyclohexane | 5.64 | 56 | 4286 | 1.174 | ug/l | # | 1 |
| 36) 1,1-Dichloropropene | 5.63 | 75 | 16555 | 4.586 | ug/l | # | 50 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 22292 | 5.607 | ug/l | # | 18 |
| 43) Isopropyl Acetate | 6.42 | 43 | 72351 | 11.889 | ug/l | | 99 |
| 44) Trichloroethene | 7.20 | 130 | 371 | Below Cal | | | 80 |
| 48) Methyl methacrylate | 7.85 | 41 | 124312 | 42.996 | ug/l | # | 43 |
| 49) 1,4-Dioxane | 7.84 | 88 | 250 | 3.817 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.59 | 43 | 70962 | 19.561 | ug/l | # | 46 |
| 54) cis-1,3-Dichloropropene | 8.59 | 75 | 31509 | 6.951 | ug/l | # | 63 |
| 56) Ethyl methacrylate | 9.28 | 69 | 1613 | 0.419 | ug/l | # | 1 |
| 57) 1,3-Dichloropropane | 9.52 | 76 | 5669 | 1.238 | ug/l | # | 44 |
| 59) 2-Hexanone | 9.52 | 43 | 79144 | 29.872 | ug/l | # | 51 |
| 74) N-amyl acetate | 10.80 | 43 | 3562 | 0.602 | ug/l | # | 52 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 101068 | 24.264 | ug/l | # | 37 |
| 80) 1,3,5-Trimethylbenzene | 11.49 | 105 | 5944 | 0.516 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 101068 | 62.834 | ug/l | # | 13 |
| 88) 1,4-Dichlorobenzene | 12.01 | 146 | 368 | Below Cal | | | 87 |
| 94) Hexachlorobutadiene | 13.77 | 225 | 50 | 0.873 | ug/l | # | 44 |

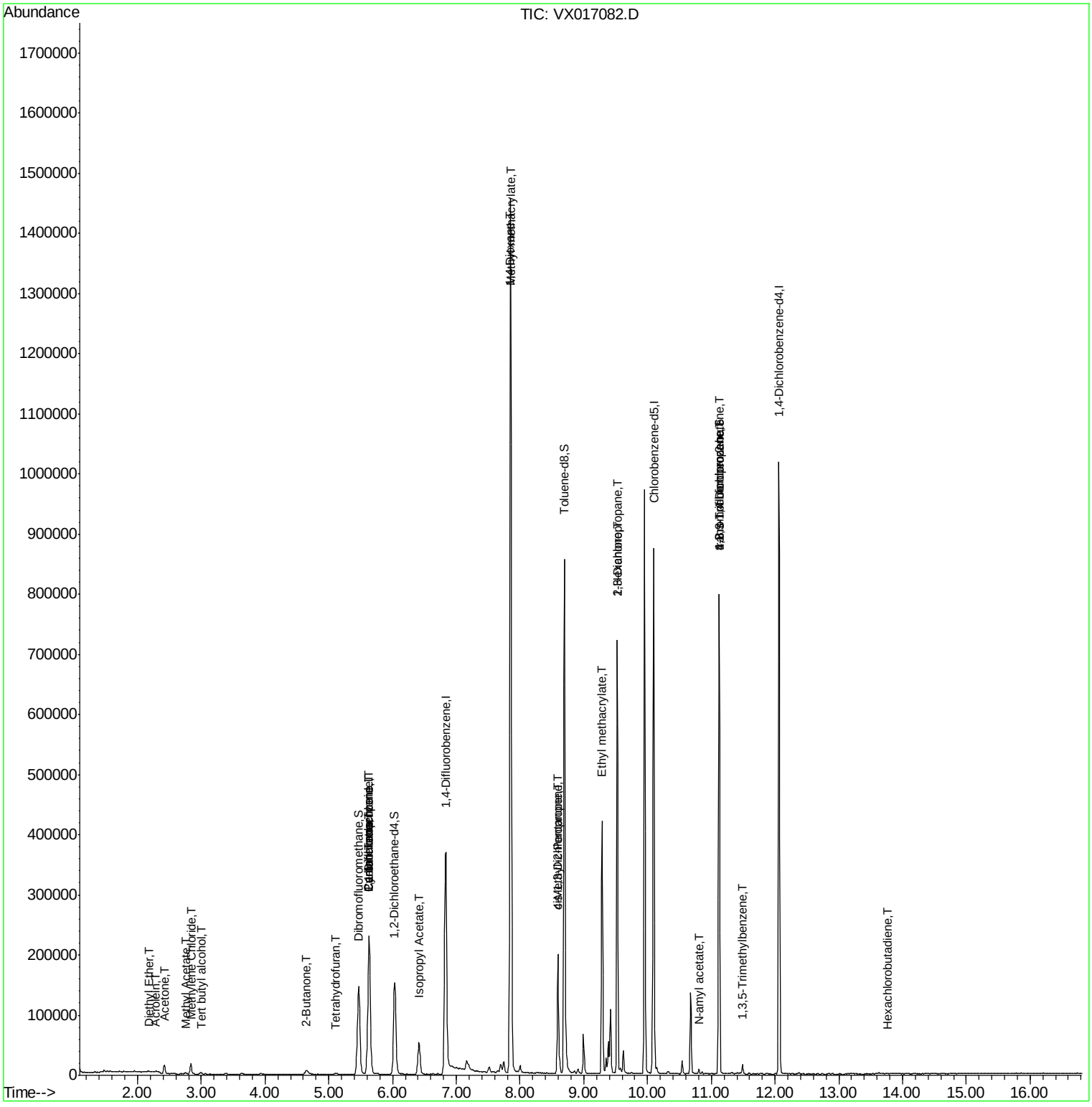
(#) = qualifier out of range (m) = manual integration (+) = signals summed

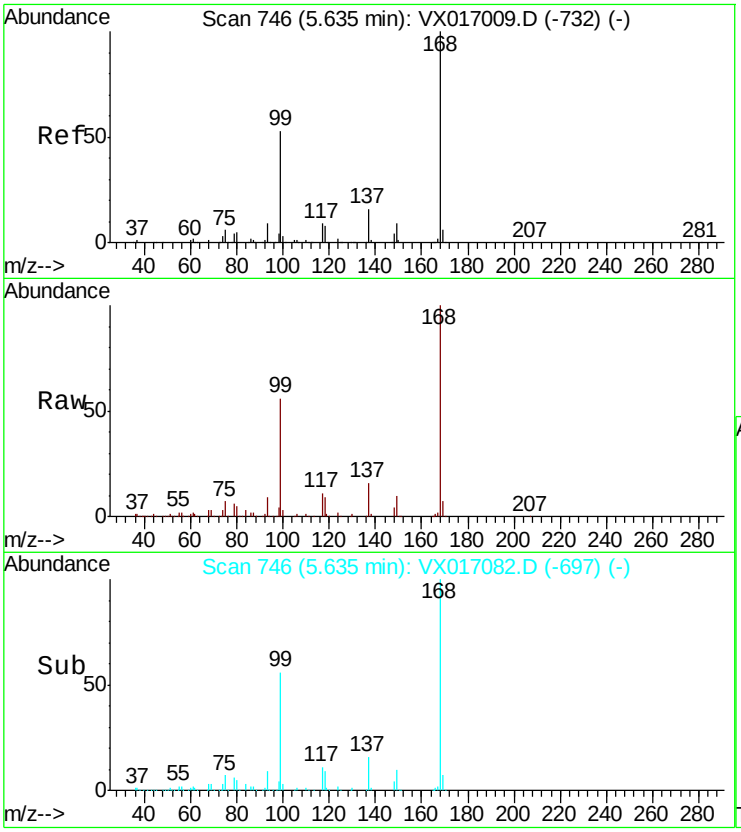
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX063020\
Data File : VX017082.D
Acq On : 01 Jul 2020 06:26
Operator : JC/SP
Sample : PB129852ZHE#18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 55 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Quant Time: Jul 01 08:26:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration



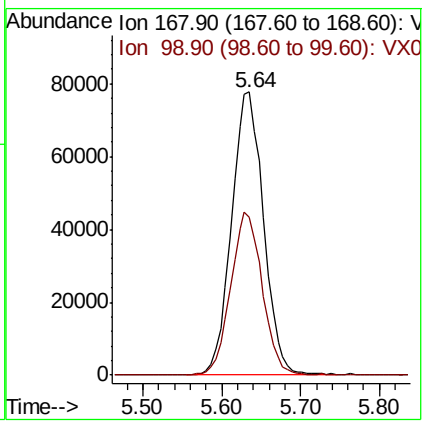


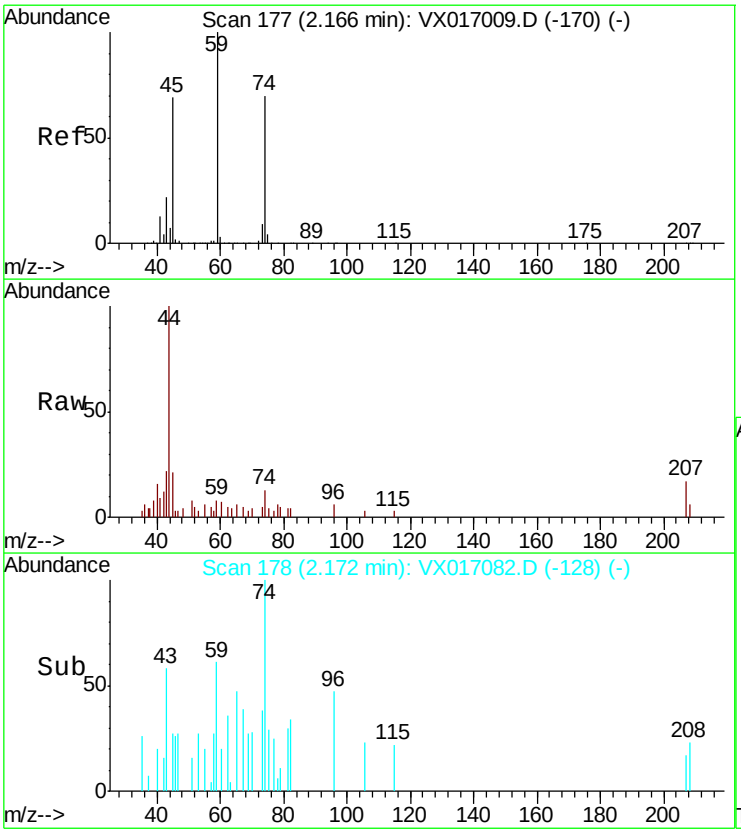

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion:168 Resp: 219275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 55.7 | 42.6 | 64.0 |

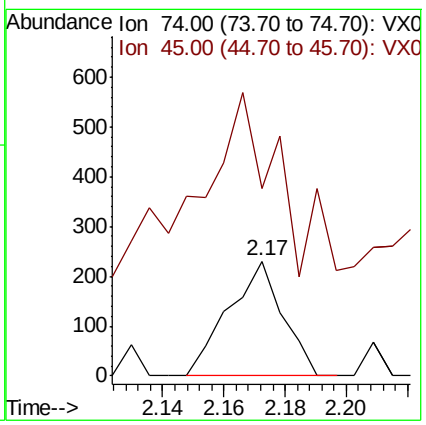


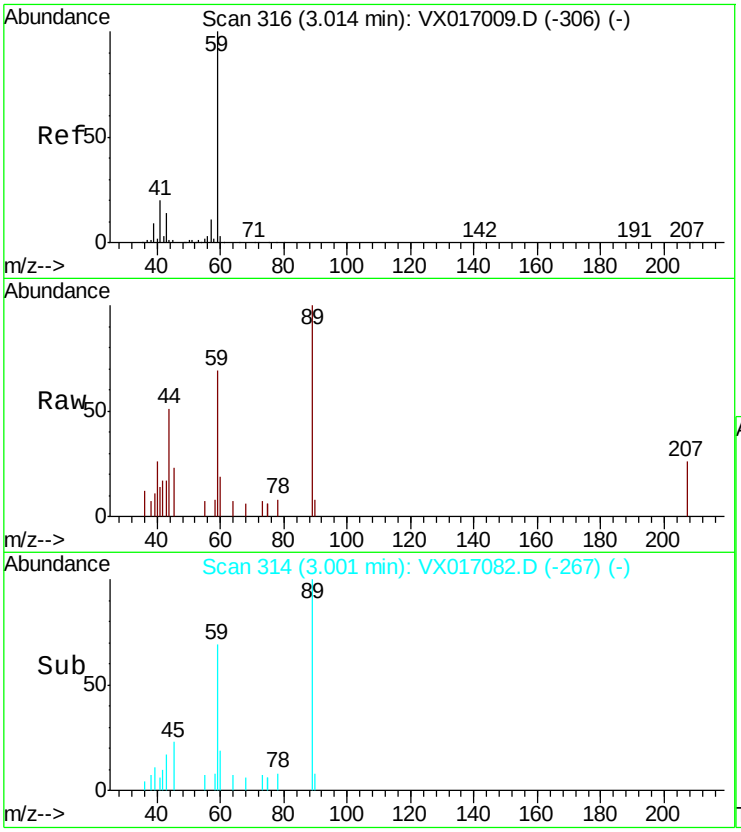




#8
Diethyl Ether
Concen: 0.602 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 74 Resp: 283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 244.2 | 49.8 | 149.3# |



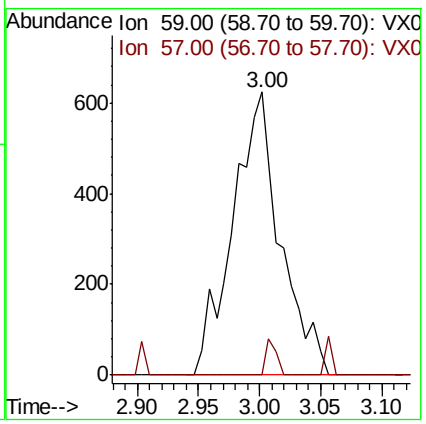


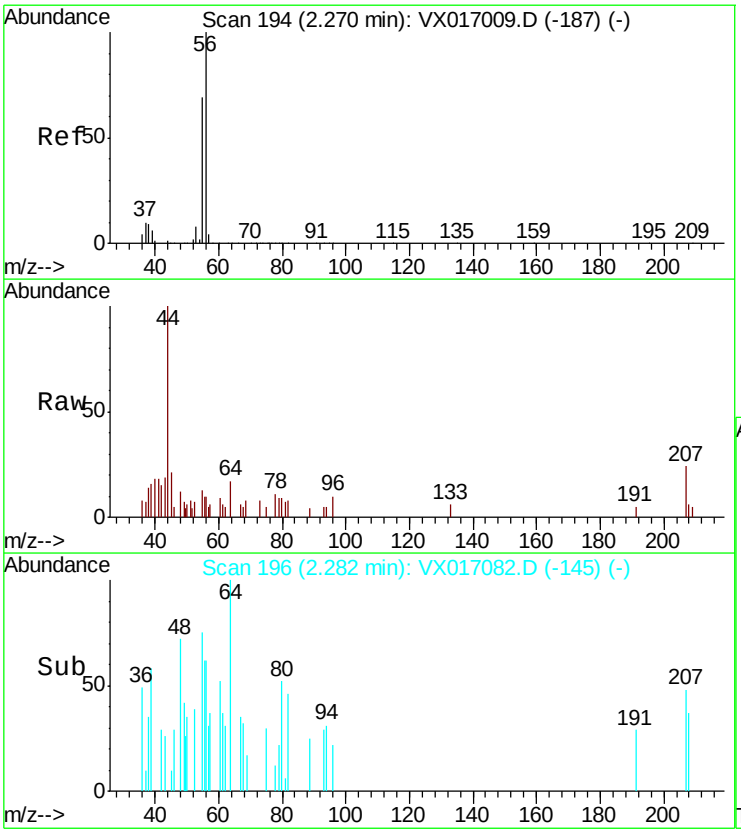

#11
Tert butyl alcohol
Concen: 3.283 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :** MSVOA_X
**ClientSampleId :** PB129852ZHE#18

Tgt Ion: 59 Resp: 1693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 2.8 | 8.2 | 12.2# |

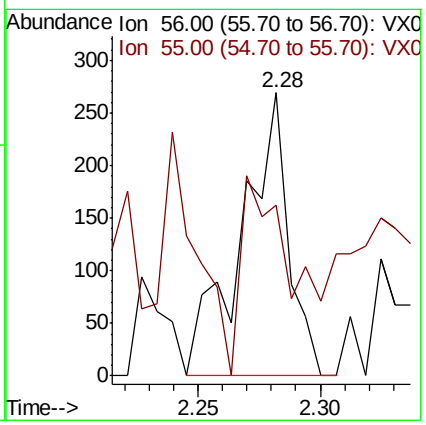


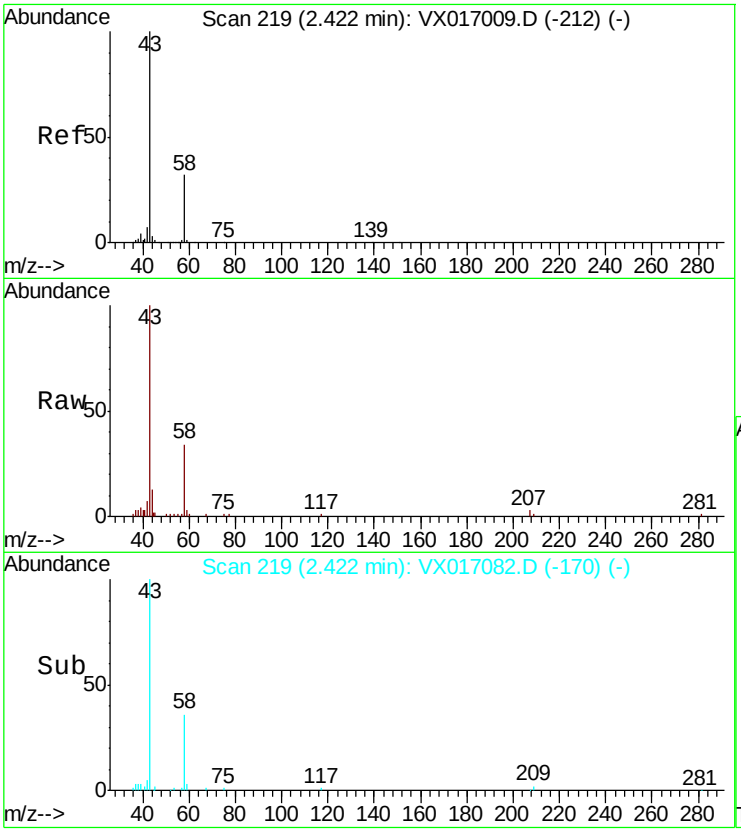




#13
Acrolein
Concen: 1.168 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 56 Resp: 360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 76.4 | 55.7 | 83.5 |



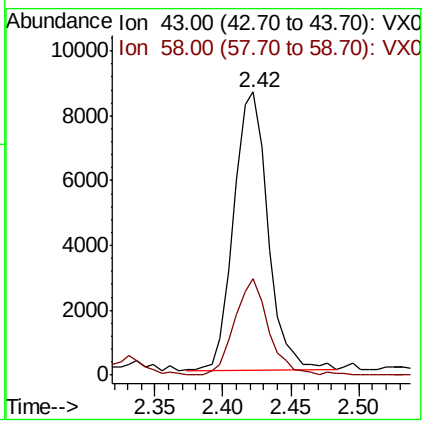


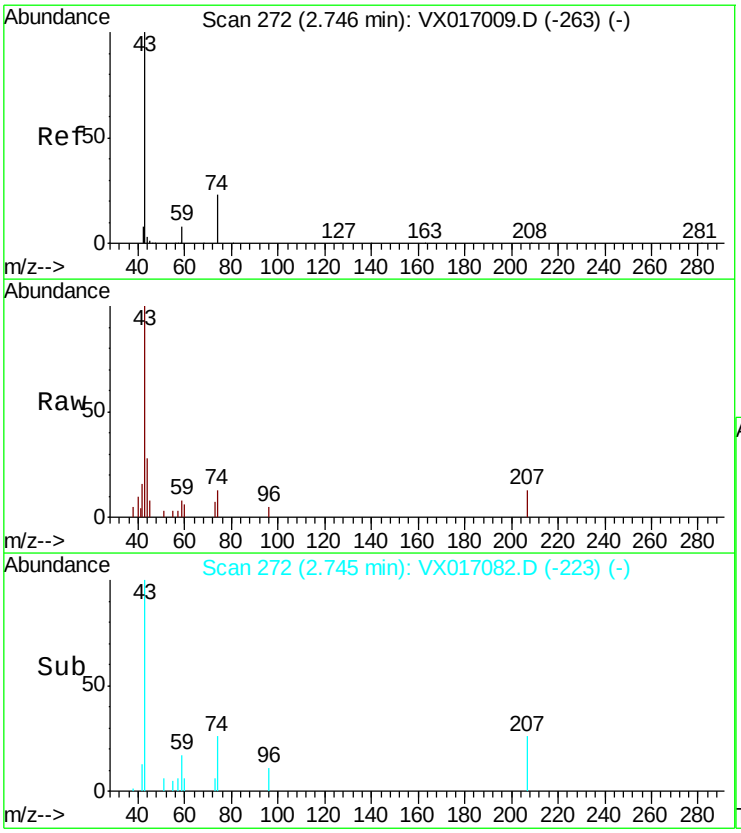

#16
Acetone
Concen: 14.875 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 43 Resp: 15042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 25.7 | 38.5 |

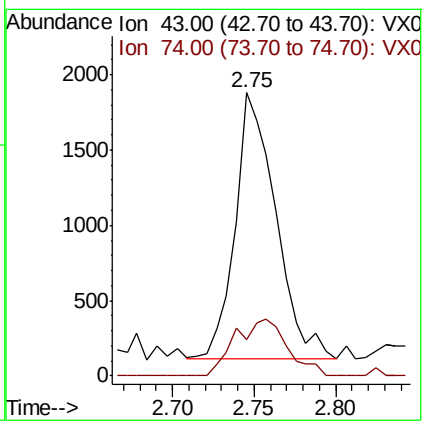


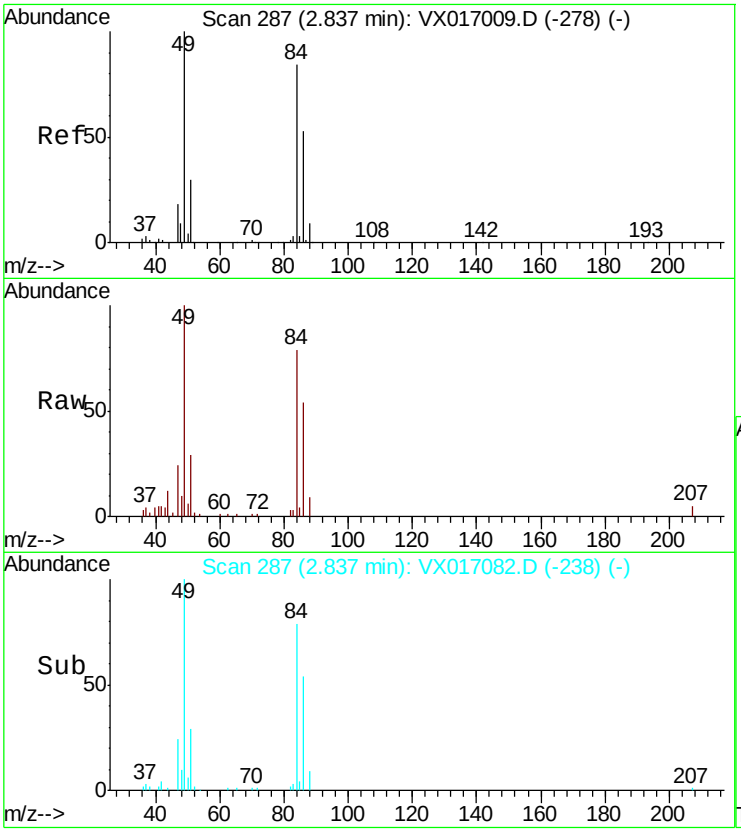




#18
Methyl Acetate
Concen: 1.160 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 43 Resp: 3063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 27.8 | 19.3 | 28.9 |



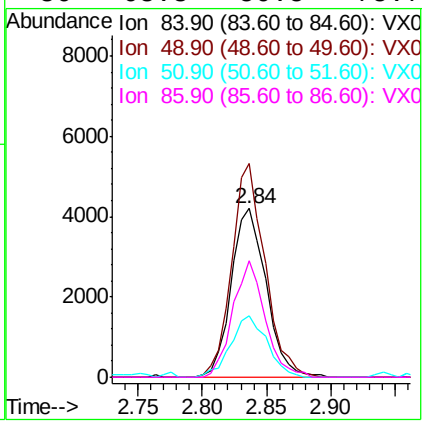


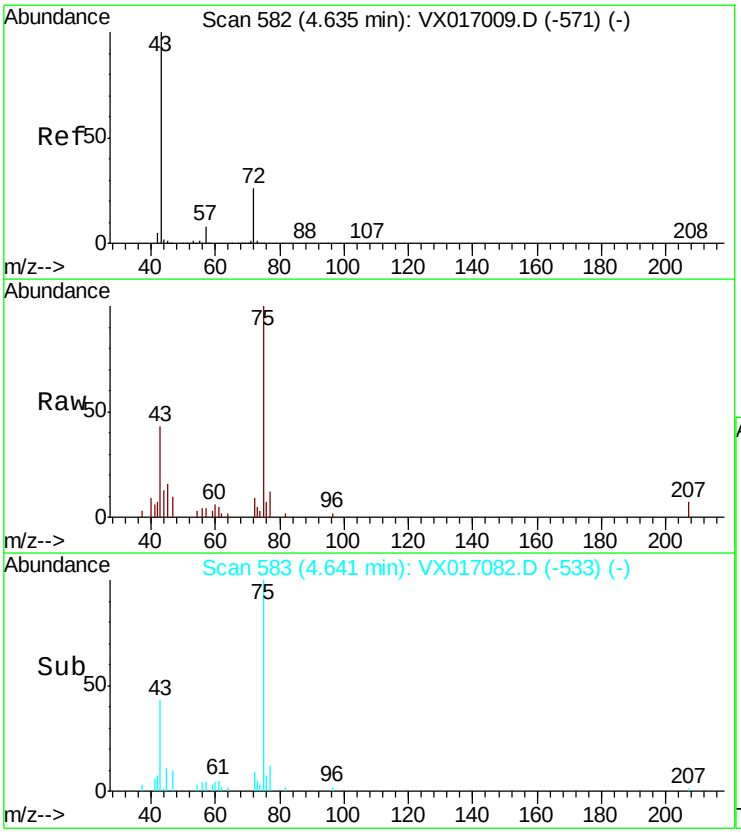

#20
Methylene Chloride
Concen: 2.686 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :** MSVOA_X
**ClientSampleId :** PB129852ZHE#18

Tgt Ion: 84 Resp: 7948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.6 | 94.7 | 142.1 |
| 51 | 36.8 | 28.6 | 42.8 |
| 86 | 68.8 | 50.5 | 75.7 |

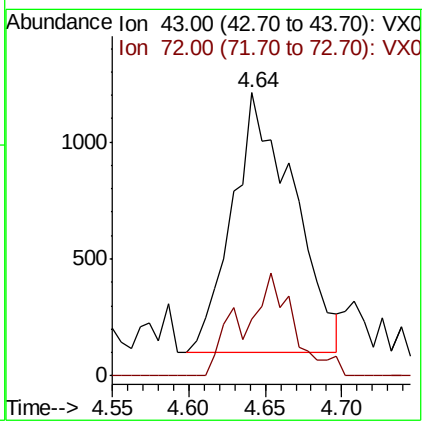


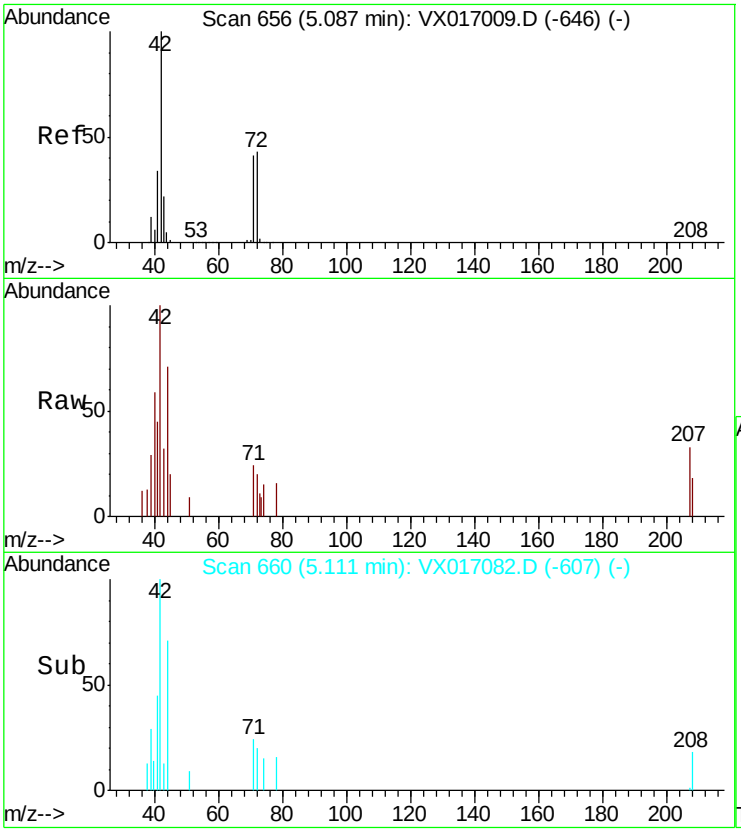




#25
2-Butanone
Concen: 1.836 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 43 Resp: 3093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.9 | 20.8 | 31.2 |



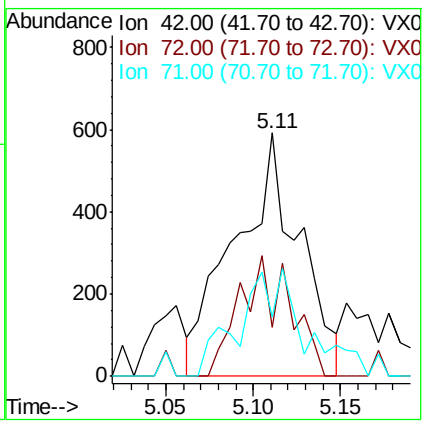


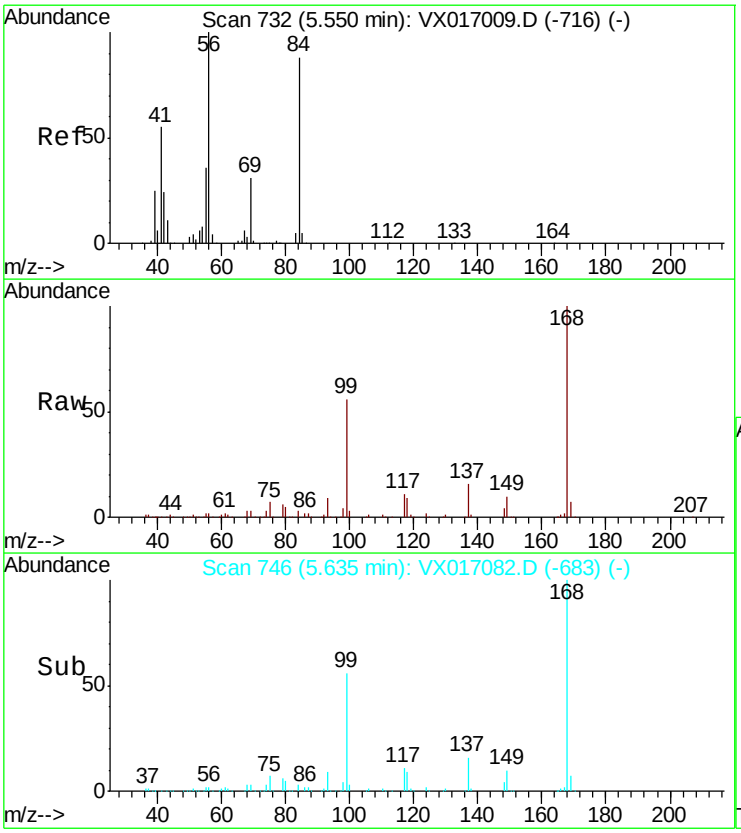

#29
Tetrahydrofuran
Concen: 1.363 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :** MSVOA_X
**ClientSampleId :** PB129852ZHE#18

Tgt Ion: 42 Resp: 1517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.5 | 35.3 | 52.9 |
| 71 | 44.9 | 33.1 | 49.7 |

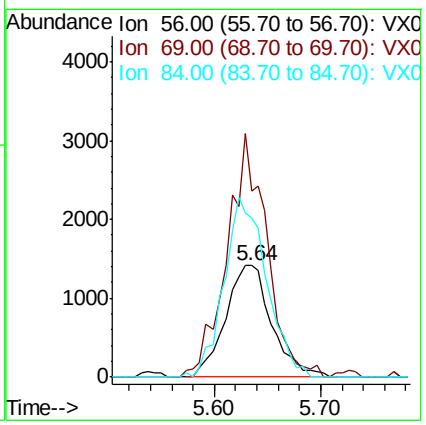


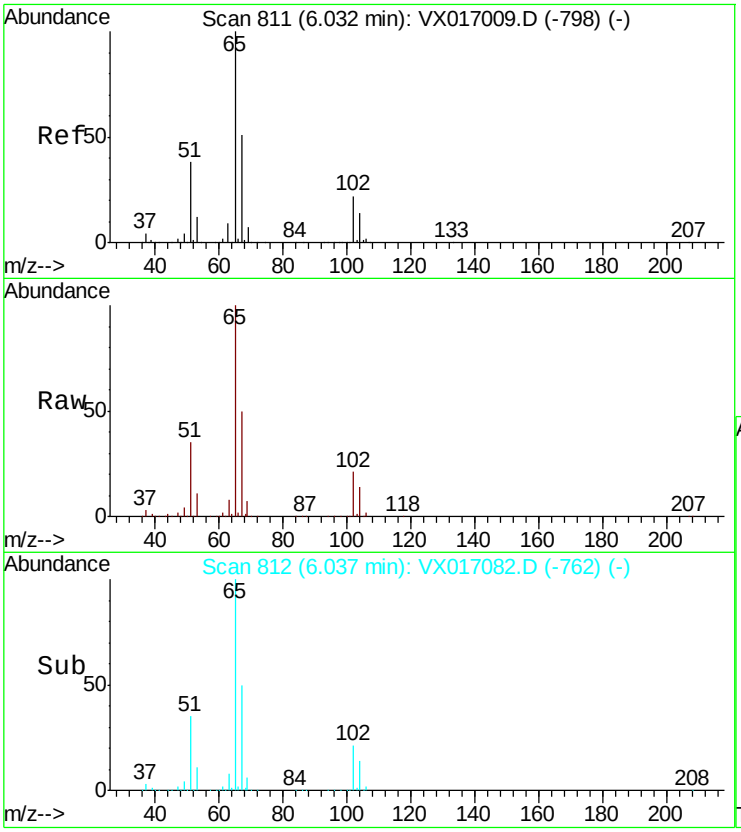




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 56 Resp: 4286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 163.0 | 25.0 | 37.4# |
| 84 | 142.1 | 69.1 | 103.7# |



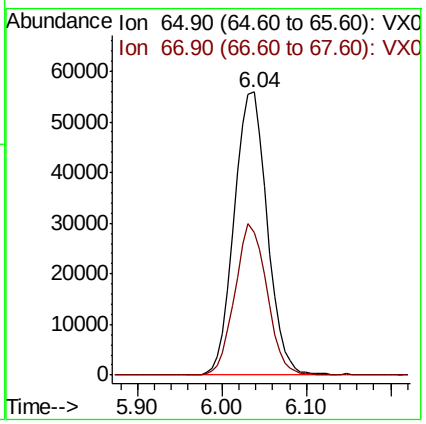


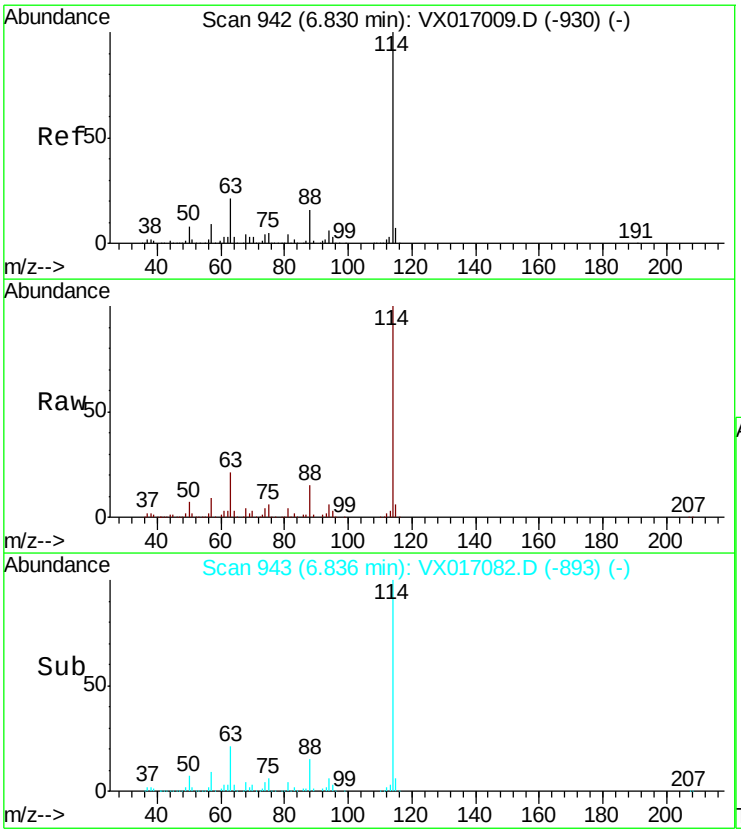

#33
1,2-Dichloroethane-d4
Concen: 54.825 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :** MSVOA_X
**ClientSampleId :** PB129852ZHE#18

Tgt Ion: 65 Resp: 148203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 103.8 |

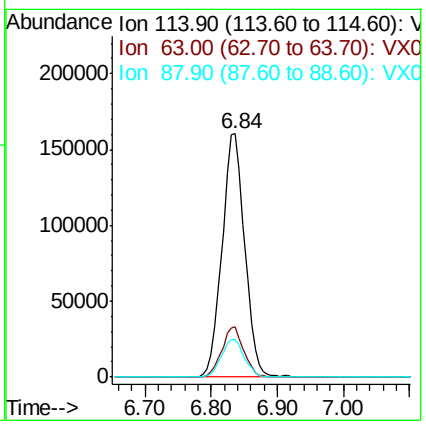


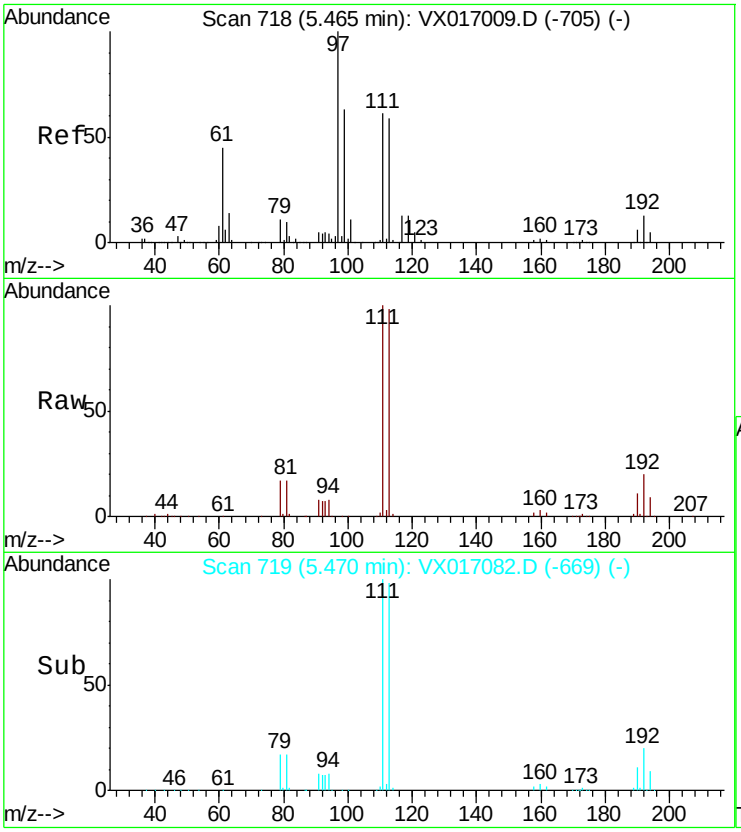




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 943
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion:114 Resp: 381916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 41.4 |
| 88 | 15.2 | 0.0 | 32.4 |



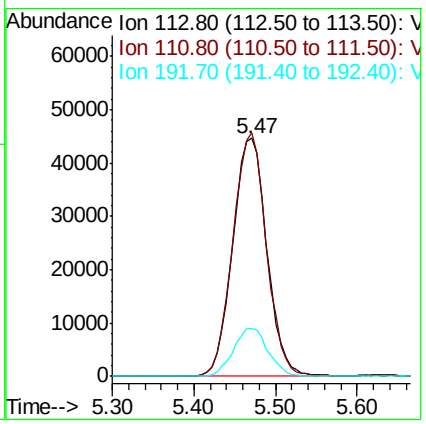


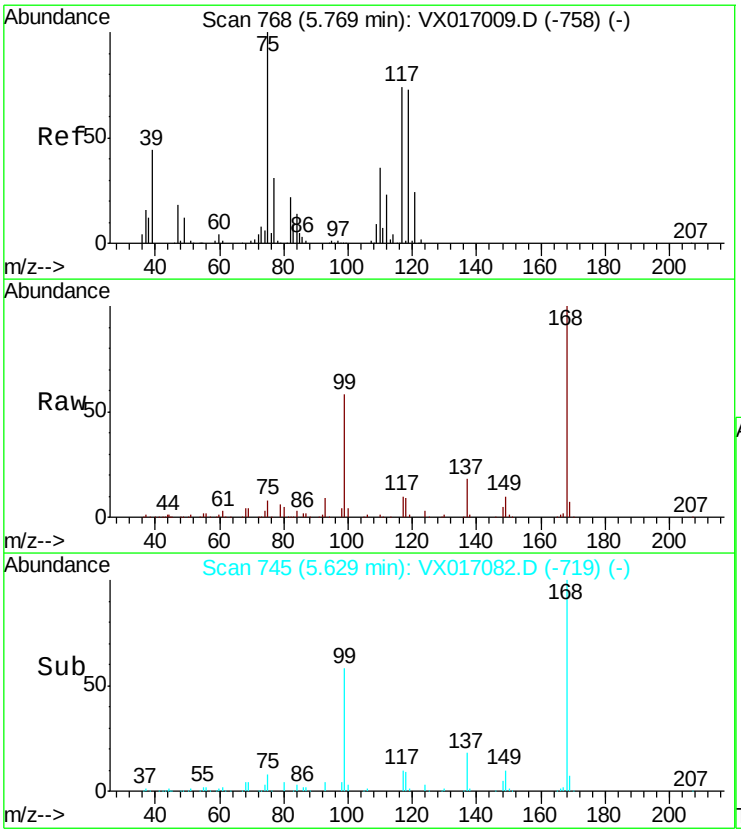

#35
Dibromofluoromethane
Concen: 53.563 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion:113 Resp: 129401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.4 | 81.9 | 122.9 |
| 192 | 20.6 | 16.7 | 25.1 |

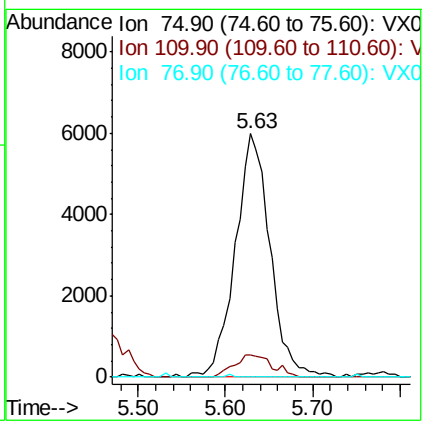


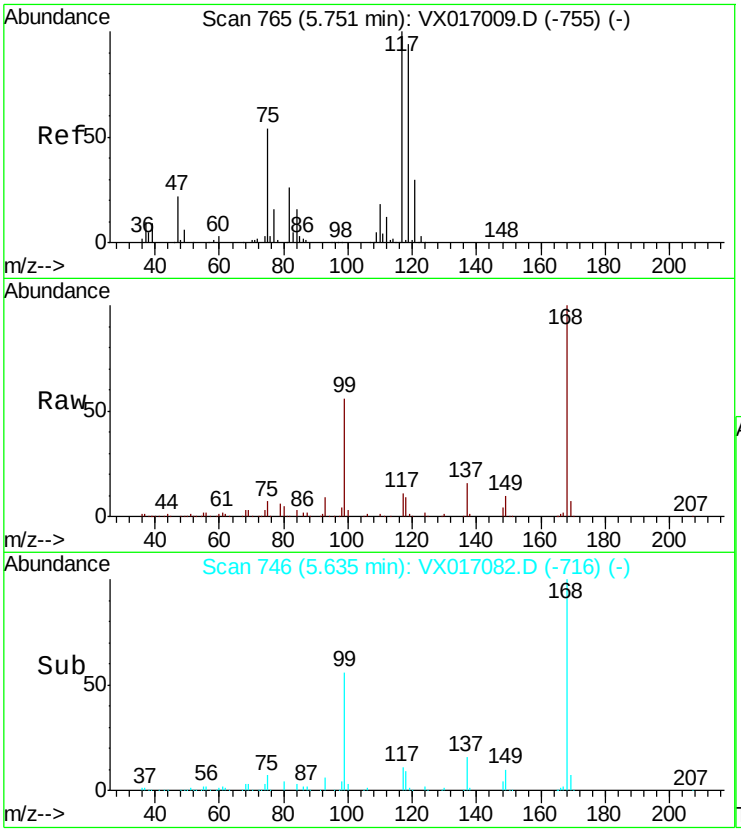




#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 75 Resp: 16555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 10.1 | 18.1 | 54.1# |
| 77 | 0.0 | 24.6 | 37.0# |



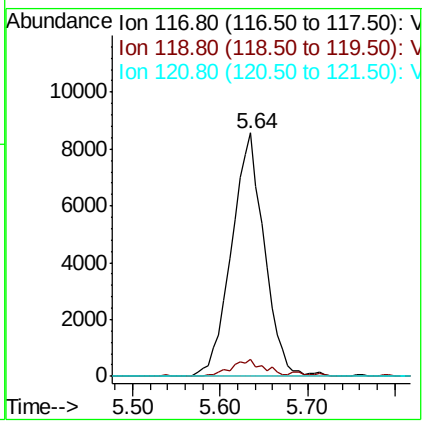


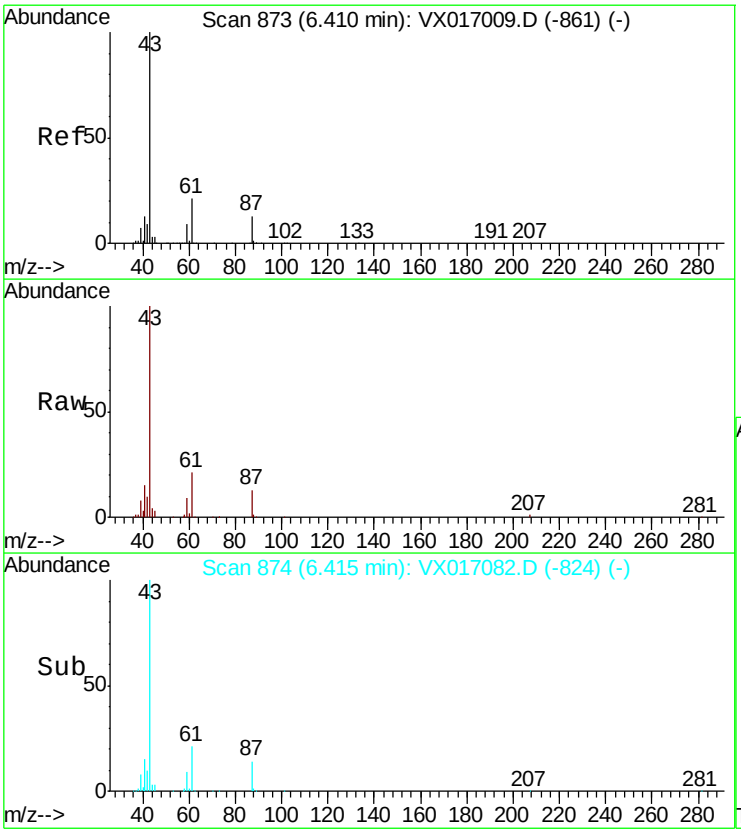

#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion:117 Resp: 22292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.2 | 75.4 | 113.0# |
| 121 | 0.0 | 23.8 | 35.6# |

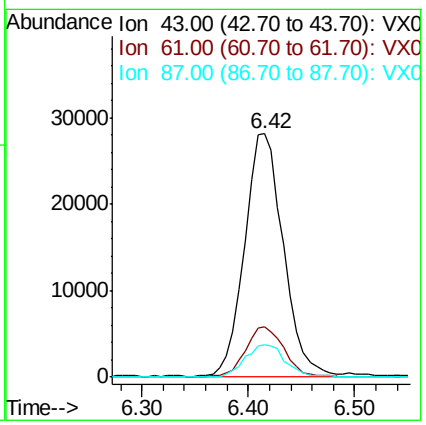


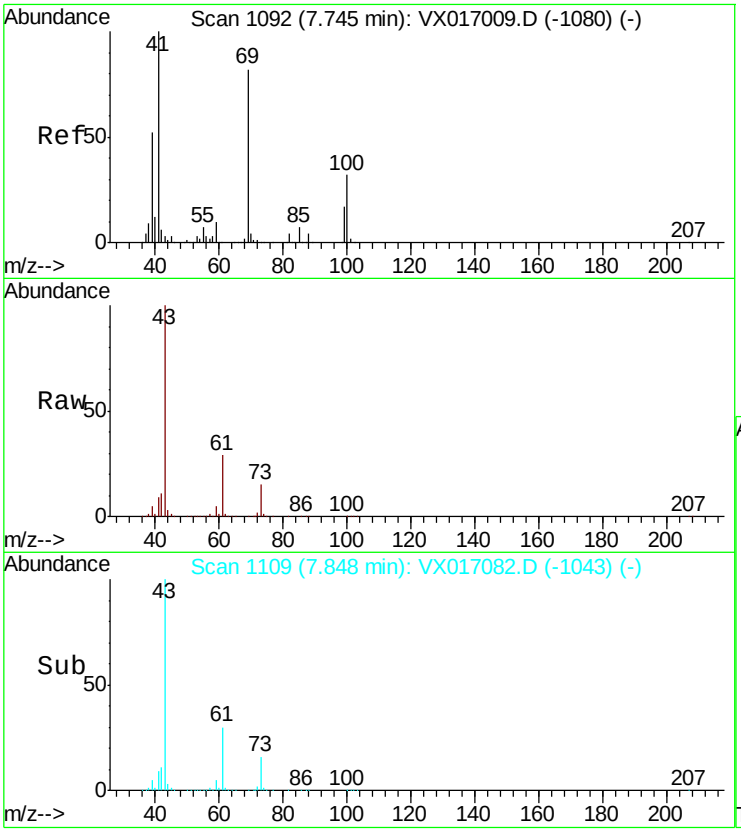




#43
Isopropyl Acetate
Concen: 11.889 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 43 Resp: 72351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.6 | 16.2 | 24.2 |
| 87 | 13.8 | 10.7 | 16.1 |



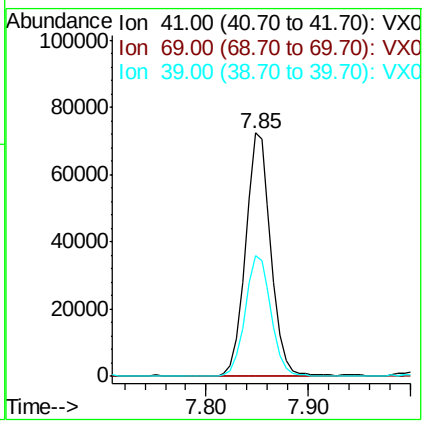


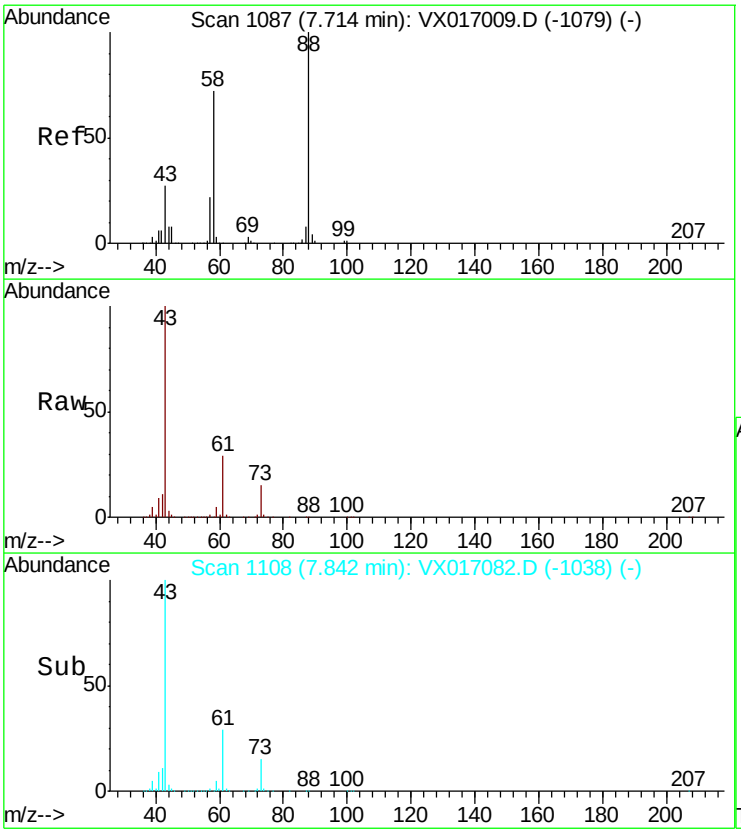

#48
Methyl methacrylate
Concen: 42.996 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :** MSVOA_X
**ClientSampleId :** PB129852ZHE#18

Tgt Ion: 41 Resp: 124312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.2 | 65.8 | 98.8# |
| 39 | 51.0 | 42.5 | 63.7 |

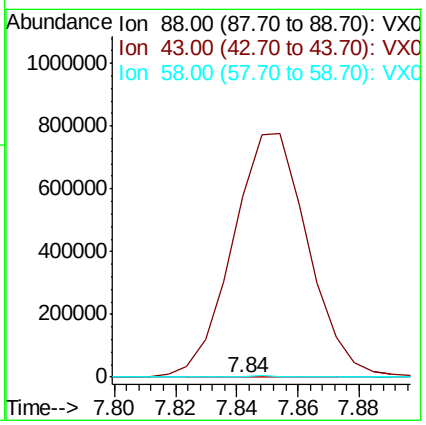


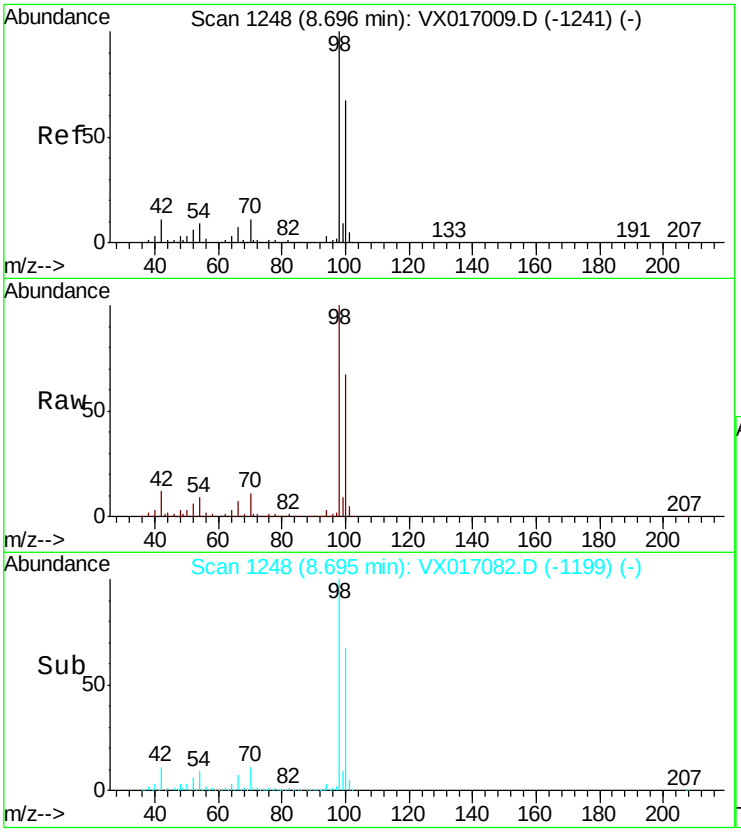




#49
1,4-Dioxane
Concen: 3.817 ug/l
RT: 7.84 min Scan# 1108
Delta R.T. 0.13 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 88 Resp: 250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 534171.2 | 25.8 | 38.8# |
| 58 | 2494.4 | 54.8 | 82.2# |



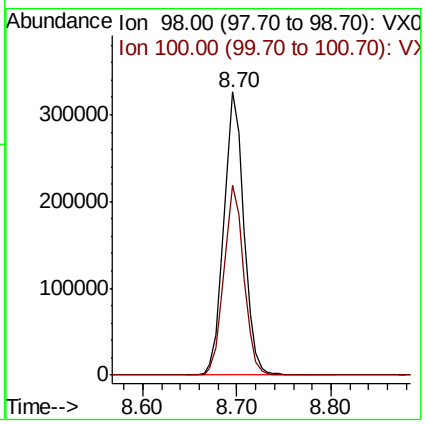


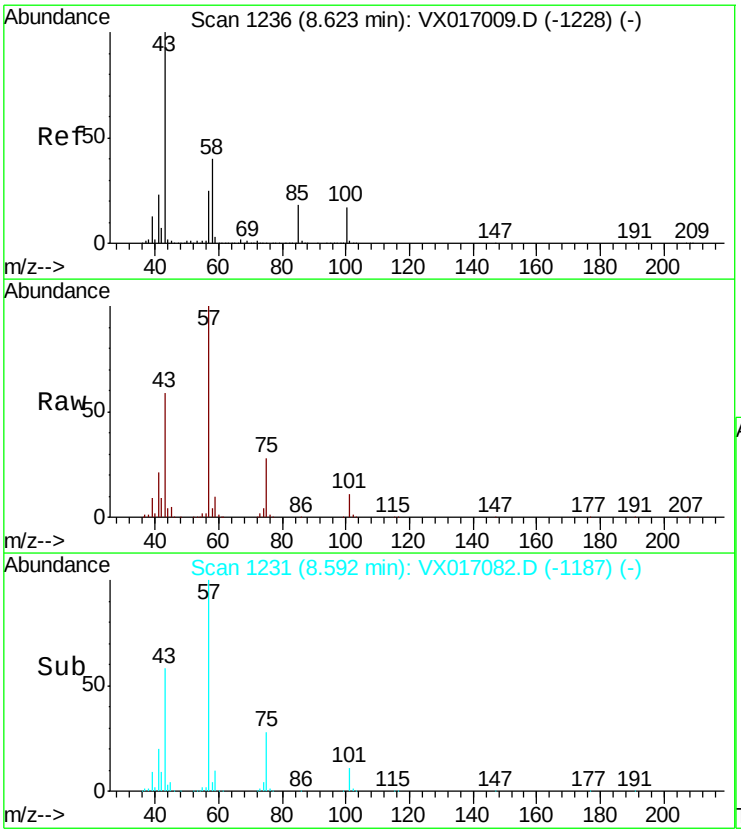

#50
Toluene-d8
Concen: 53.915 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 98 Resp: 481644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 53.8 | 80.6 |

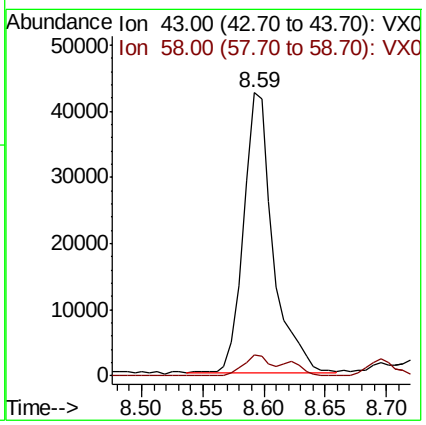


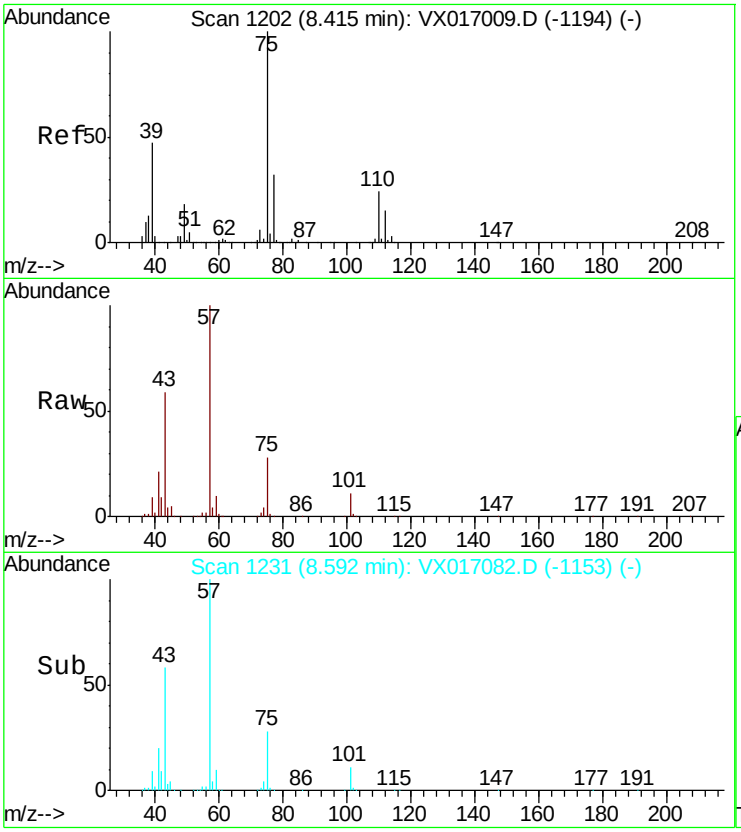




#51
4-Methyl-2-Pentanone
Concen: 19.561 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 43 Resp: 70962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 6.9 | 31.9 | 47.9# |



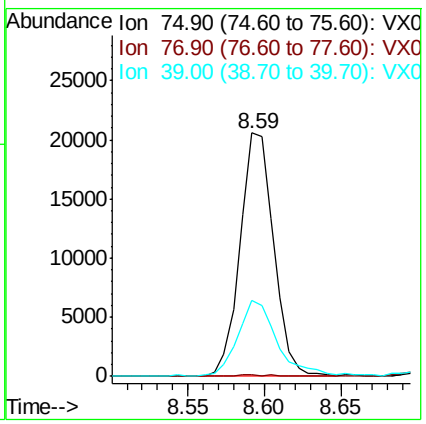


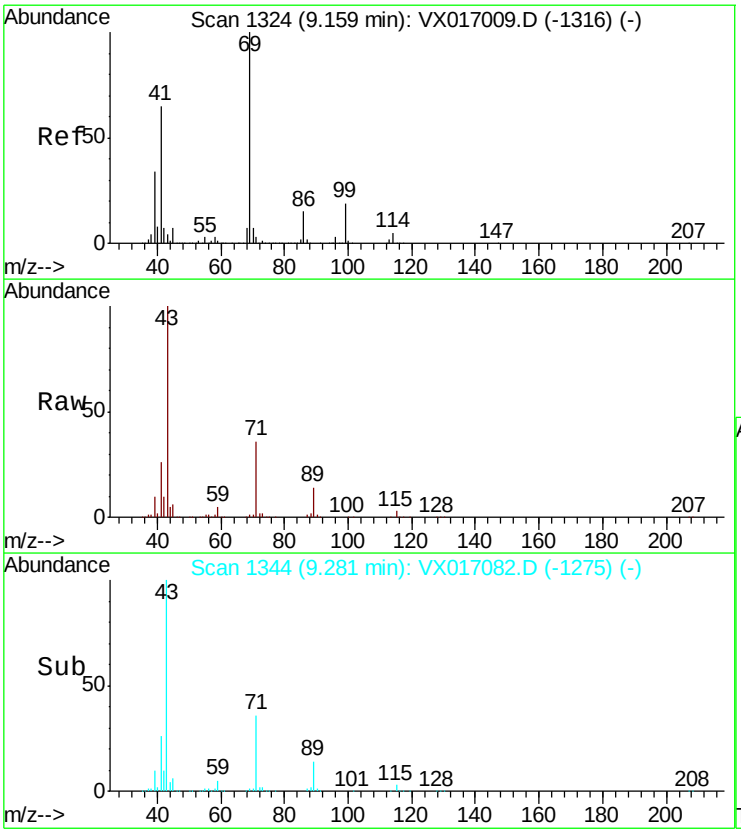

#54
cis-1,3-Dichloropropene
Concen: 6.951 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. 0.18 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 75 Resp: 31509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.7 | 25.2 | 37.8# |
| 39 | 30.9 | 37.4 | 56.2# |

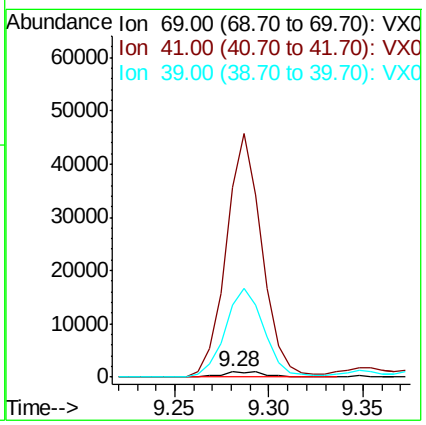


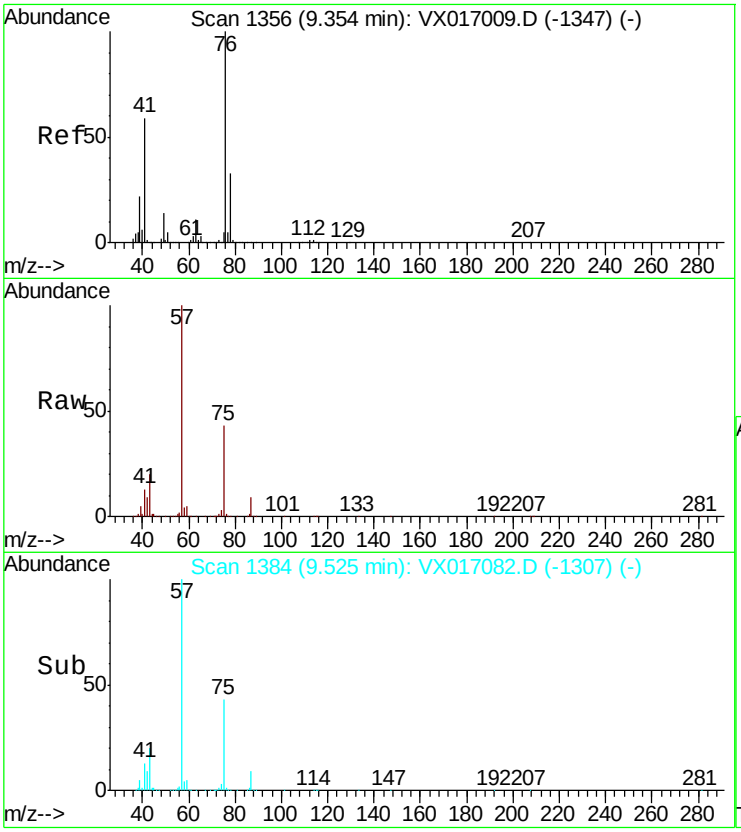




#56
Ethyl methacrylate
Concen: 0.419 ug/l
RT: 9.28 min Scan# 1344
Delta R.T. 0.12 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 69 Resp: 1613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 3703.0 | 53.6 | 80.4# |
| 39 | 1483.7 | 28.2 | 42.2# |



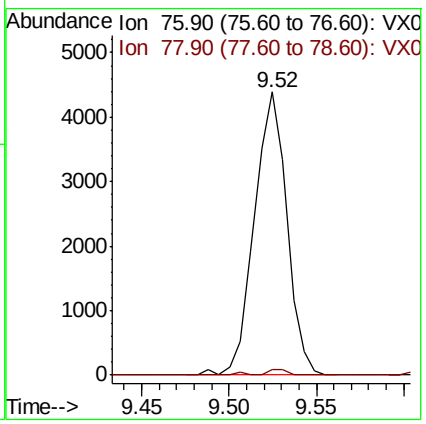


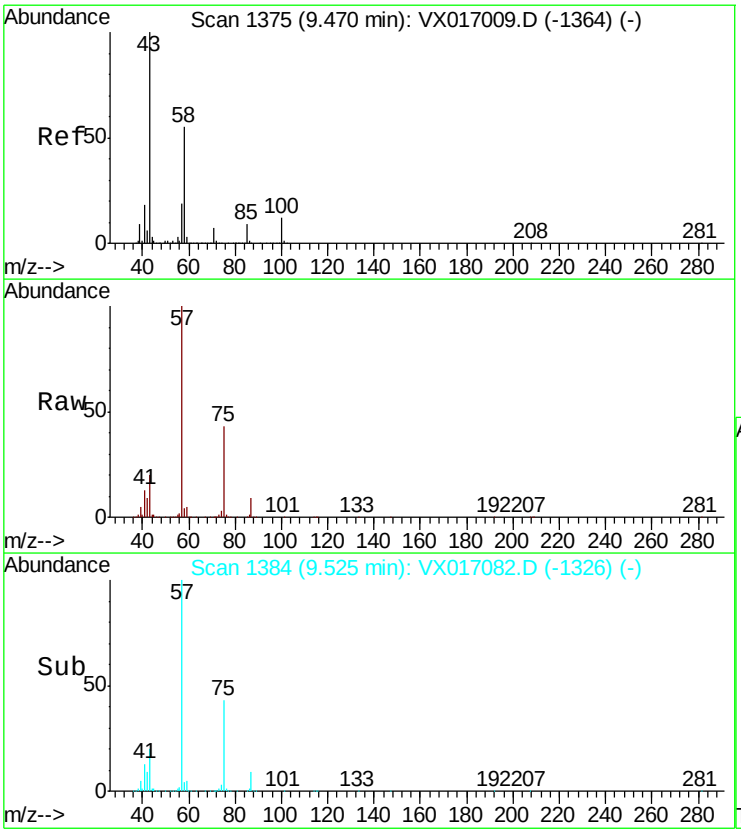

#57
1,3-Dichloropropane
Concen: 1.238 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.17 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 76 Resp: 5669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 1.2 | 25.9 | 38.9# |

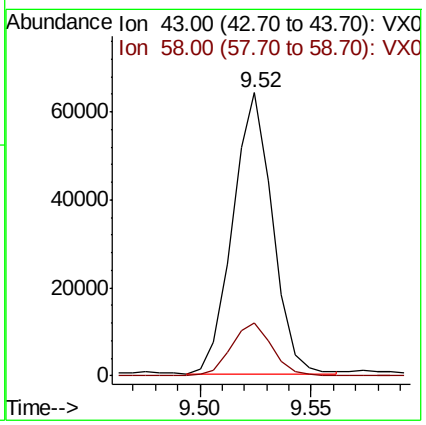


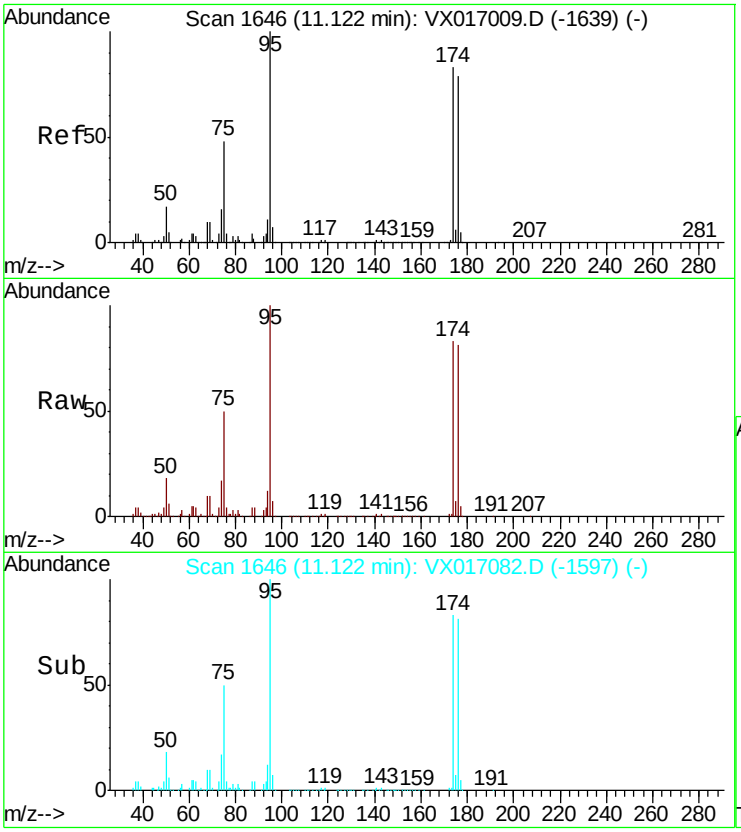




#59
2-Hexanone
Concen: 29.872 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 43 Resp: 79144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.9 | 27.9 | 83.6# |



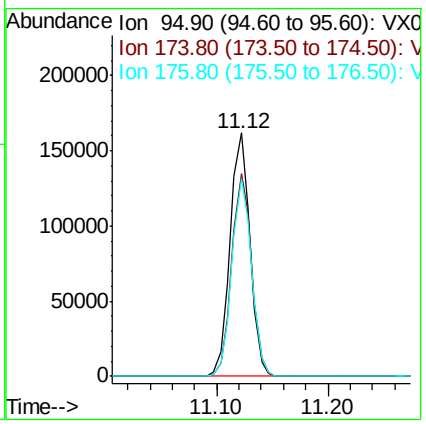


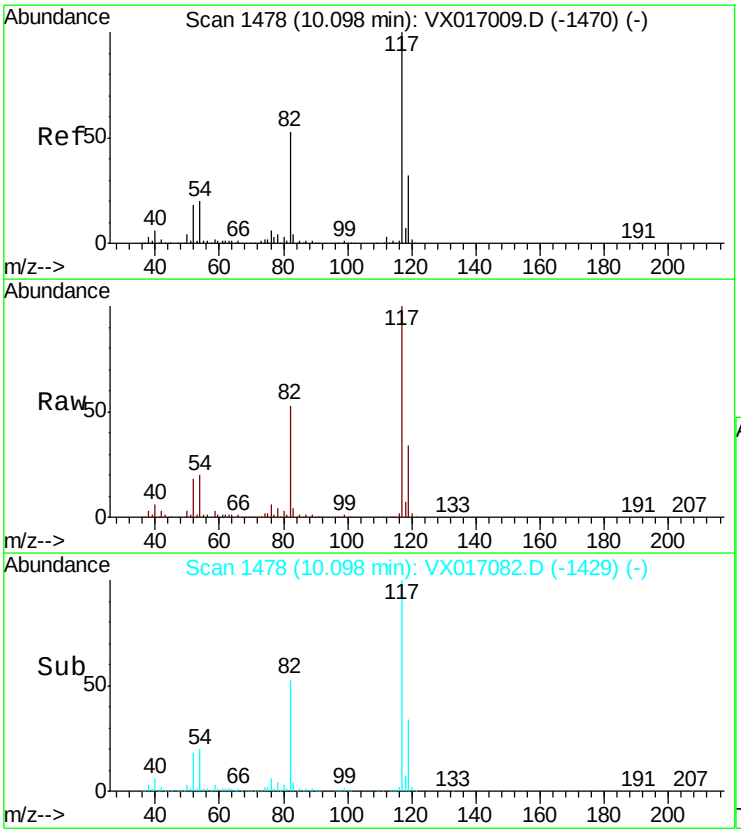

#62
4-Bromofluorobenzene
Concen: 57.149 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 95 Resp: 199574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 83.5 | 0.0 | 164.0 |
| 176 | 81.0 | 0.0 | 157.6 |

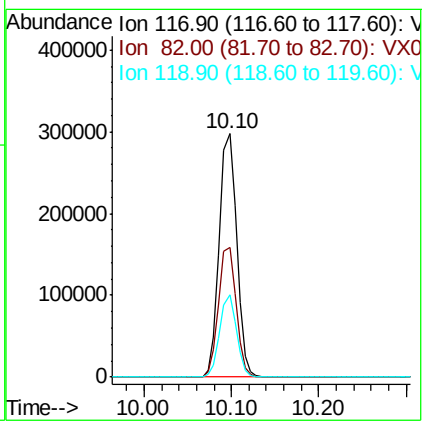


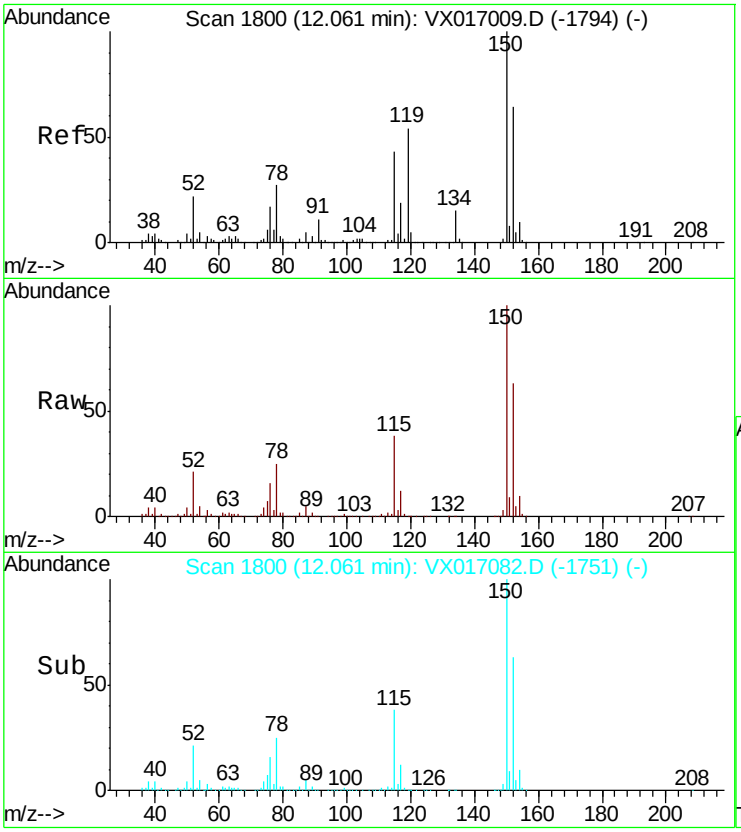




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion:117 Resp: 410671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.4 | 42.6 | 63.8 |
| 119 | 33.7 | 25.4 | 38.2 |



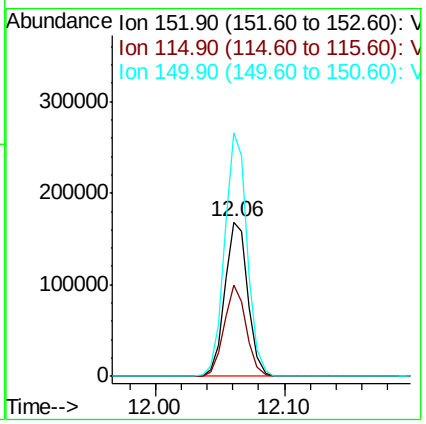


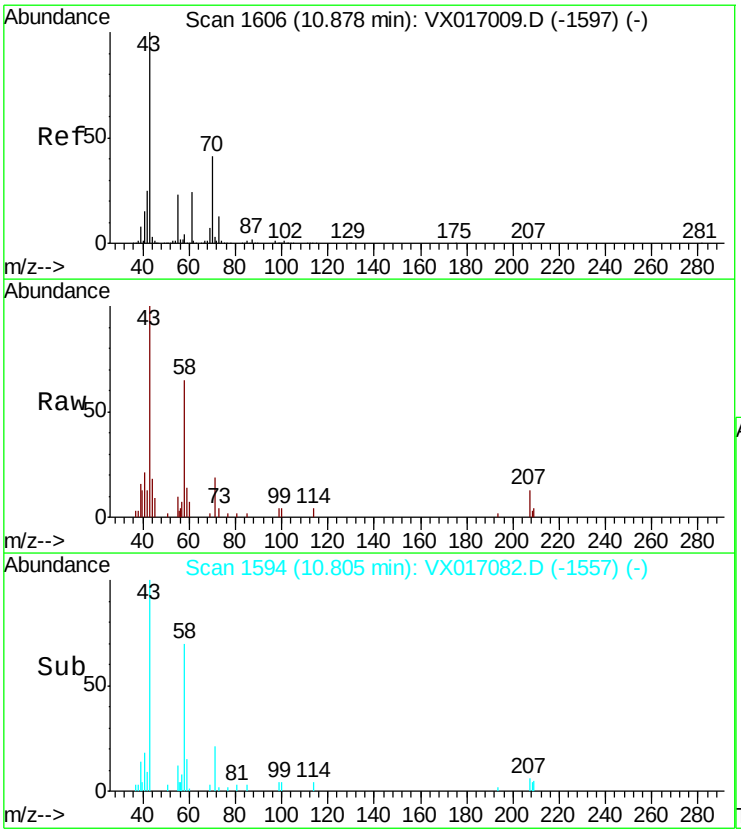

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion:152 Resp: 211824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.6 | 40.9 | 122.7 |
| 150 | 154.0 | 0.0 | 351.6 |

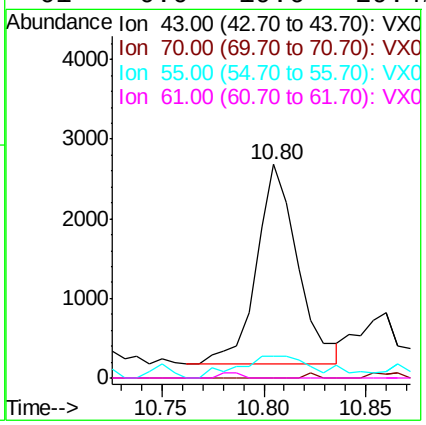


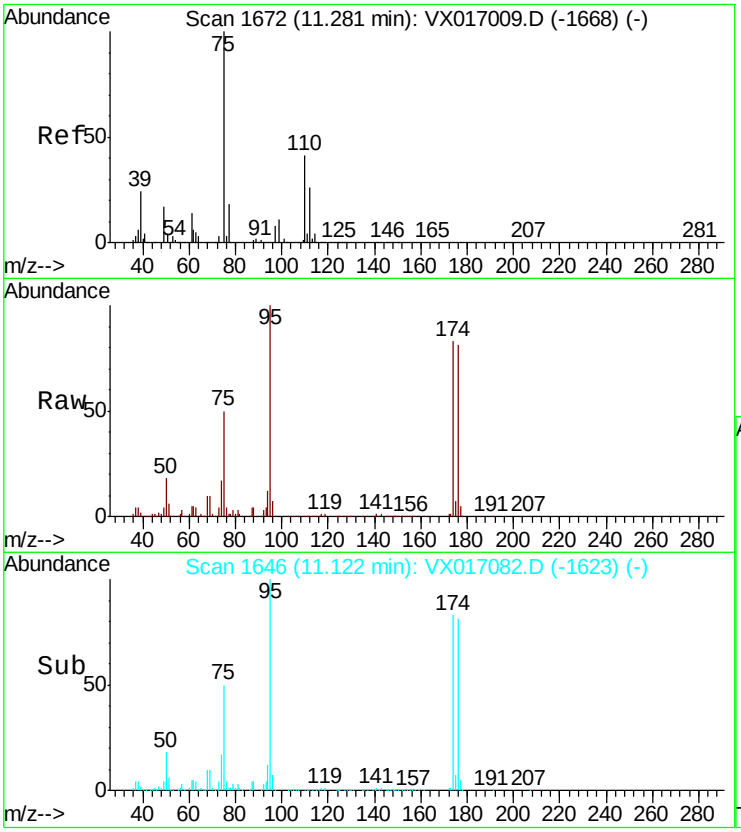




#74
N-amyl acetate
Concen: 0.602 ug/l
RT: 10.80 min Scan# 1594
Delta R.T. -0.07 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion: 43 Resp: 3562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 34.2 | 51.2# |
| 55 | 17.9 | 19.2 | 28.8# |
| 61 | 0.0 | 19.6 | 29.4# |



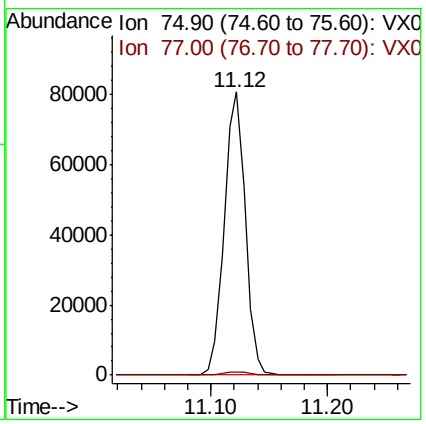


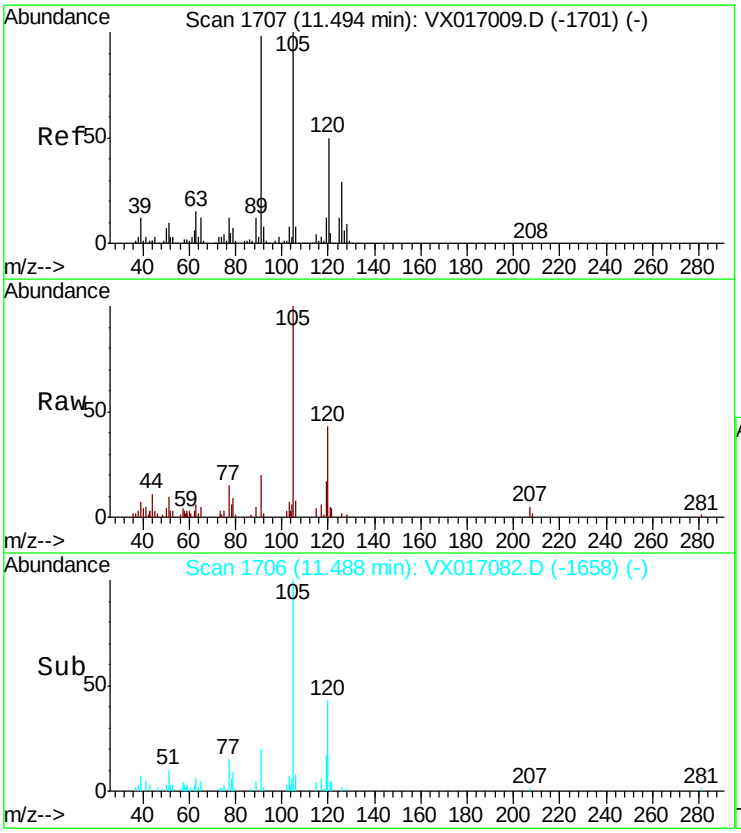

#76
1,2,3-Trichloropropane
Concen: 24.264 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 75 Resp: 101068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.2 | 20.2 | 60.6# |

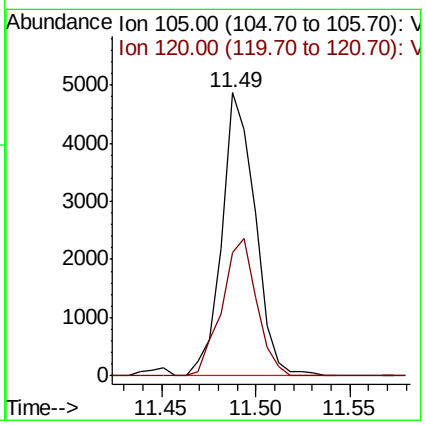


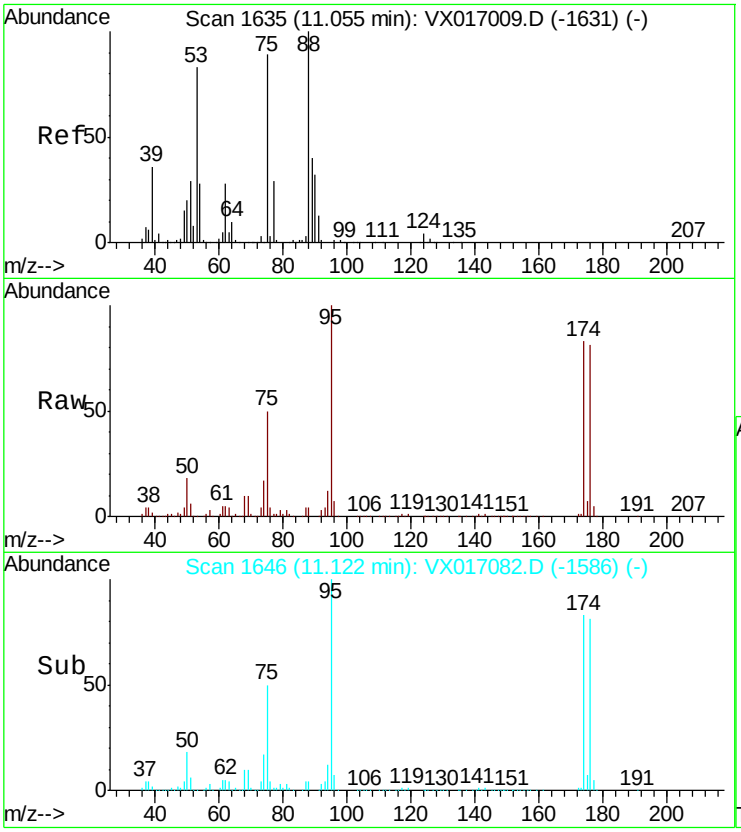




#80
1,3,5-Trimethylbenzene
Concen: 0.516 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion:105 Resp: 5944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.8 | 24.9 | 74.6 |



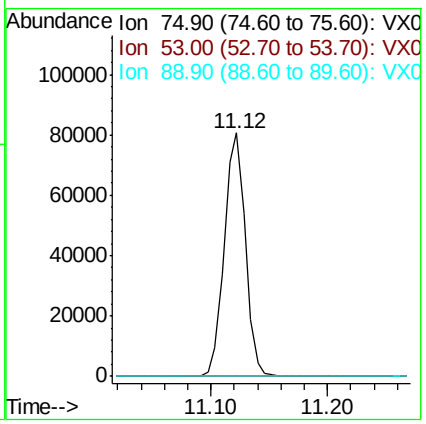


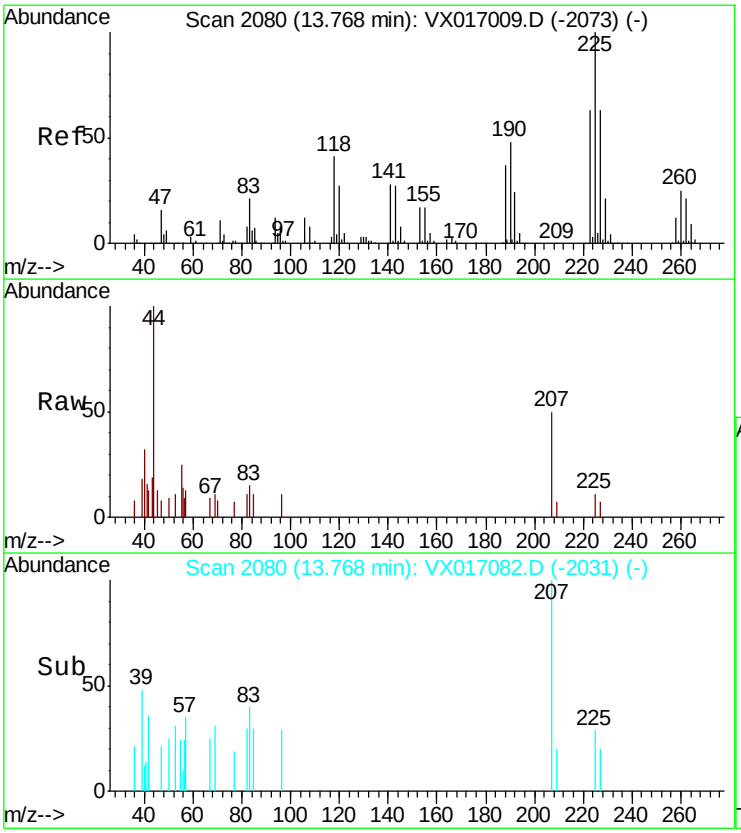

#81
trans-1,4-Dichloro-2-butene
Concen: 62.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB129852ZHE#18

Tgt Ion: 75 Resp: 101068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 72.4 | 108.6# |
| 89 | 0.0 | 37.0 | 55.4# |




#94
Hexachlorobutadiene
Concen: 0.873 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX017082.D
Acq: 01 Jul 2020 06:26

Tgt Ion:225 Resp: 50

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 32.5 | 97.5# |
| 227 | 90.0 | 33.1 | 99.2 |