Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090820\
Data File : VX018283.D
Acq On : 08 Sep 2020 18:19
Operator : JC/SP
Sample : PB131451ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Quant Time: Sep 09 01:23:47 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 | 5.64 | 168 | 435920 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.83 | 114 | 708248 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.10 | 117 | 709884 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 342098 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.03 | 65 | 316317 | 52.27 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.54% | | | | |
| 35) Dibromofluoromethane | 5.46 | 113 | 241887 | 50.15 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.30% | | | | |
| 50) Toluene-d8 | 8.70 | 98 | 886196 | 49.33 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.66% | | | | |
| 62) 4-Bromofluorobenzene | 11.12 | 95 | 337296 | 47.72 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.44% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 1163 | 0.208 | ug/l | | 100 |
| 5) Bromomethane | 1.65 | 94 | 673 | 0.250 | ug/l | # | 58 |
| 8) Diethyl Ether | 2.23 | 74 | 575 | 0.223 | ug/l | | 98 |
| 10) Methyl Iodide | 2.49 | 142 | 203 | 5.328 | ug/l | # | 11 |
| 11) Tert butyl alcohol | 3.00 | 59 | 5407 | 4.595 | ug/l | # | 84 |
| 13) Acrolein | 2.28 | 56 | 168 | 0.344 | ug/l | # | 14 |
| 16) Acetone | 2.42 | 43 | 58194 | 24.678 | ug/l | | 94 |
| 18) Methyl Acetate | 2.75 | 43 | 6854 | 1.204 | ug/l | | 91 |
| 20) Methylene Chloride | 2.84 | 84 | 19064 | 2.853 | ug/l | | 90 |
| 25) 2-Butanone | 4.65 | 43 | 9677 | 2.497 | ug/l | # | 82 |
| 29) Tetrahydrofuran | 5.11 | 42 | 1904 | 0.772 | ug/l | # | 59 |
| 36) 1,1-Dichloropropene | 5.64 | 75 | 35430 | 5.424 | ug/l | # | 52 |
| 38) Carbon Tetrachloride | 5.64 | 117 | 45230 | 6.144 | ug/l | # | 17 |
| 43) Isopropyl Acetate | 6.42 | 43 | 102551 | 8.368 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.85 | 41 | 182156 | 29.859 | ug/l | # | 45 |
| 49) 1,4-Dioxane | 7.68 | 88 | 90 | 0.814 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.59 | 43 | 107209 | 14.163 | ug/l | # | 48 |
| 54) cis-1,3-Dichloropropene | 8.60 | 75 | 42629 | 4.998 | ug/l | # | 62 |
| 57) 1,3-Dichloropropane | 9.52 | 76 | 8614 | 1.006 | ug/l | # | 46 |
| 59) 2-Hexanone | 9.42 | 43 | 98013 | 17.028 | ug/l | # | 25 |
| 76) 1,2,3-Trichloropropane | 11.12 | 75 | 175166 | 23.018 | ug/l | # | 36 |
| 80) 1,3,5-Trimethylbenzene | 11.49 | 105 | 5732 | 0.309 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.12 | 75 | 175166 | 62.167 | ug/l | # | 12 |

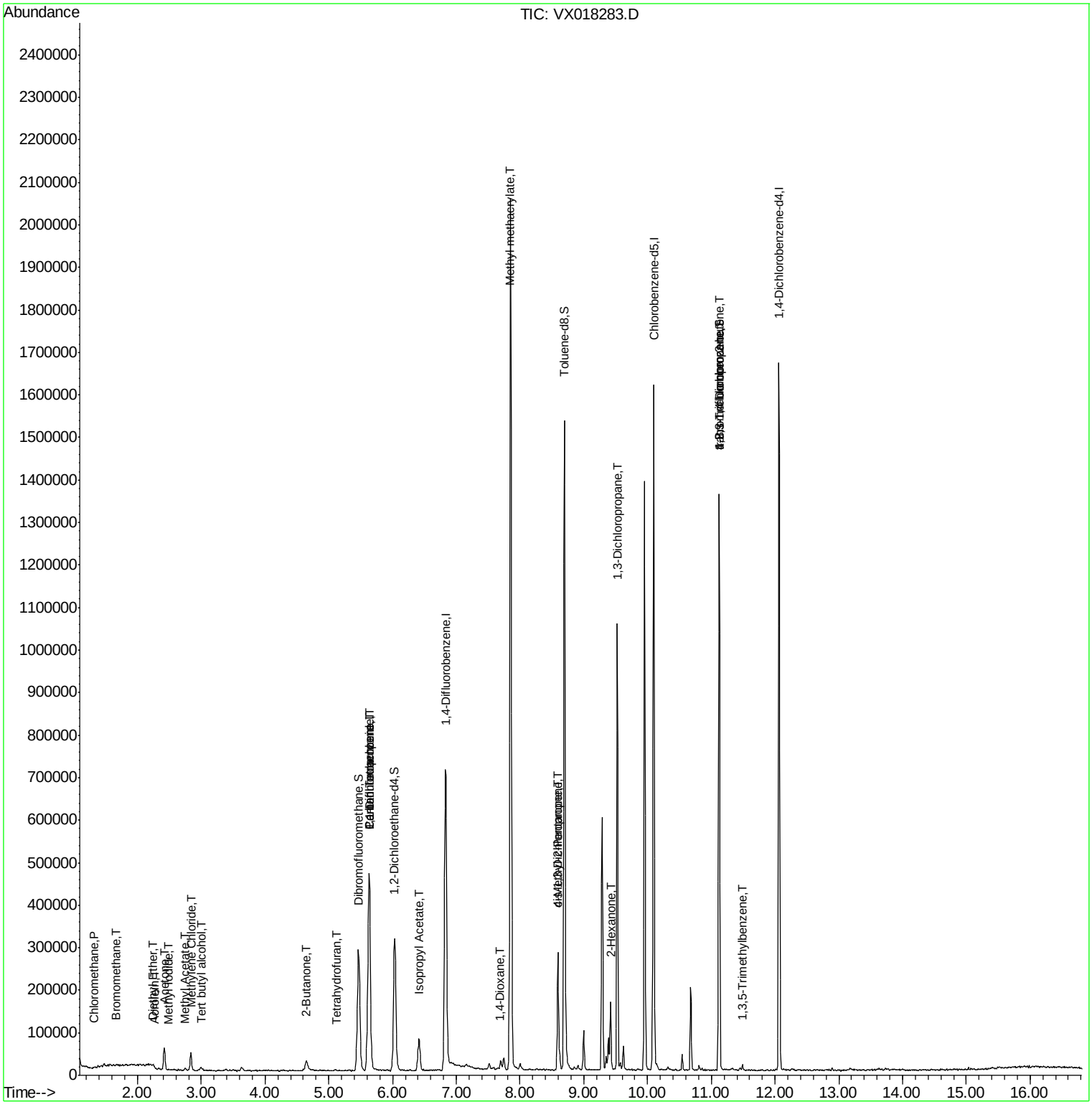
(#) = qualifier out of range (m) = manual integration (+) = signals summed

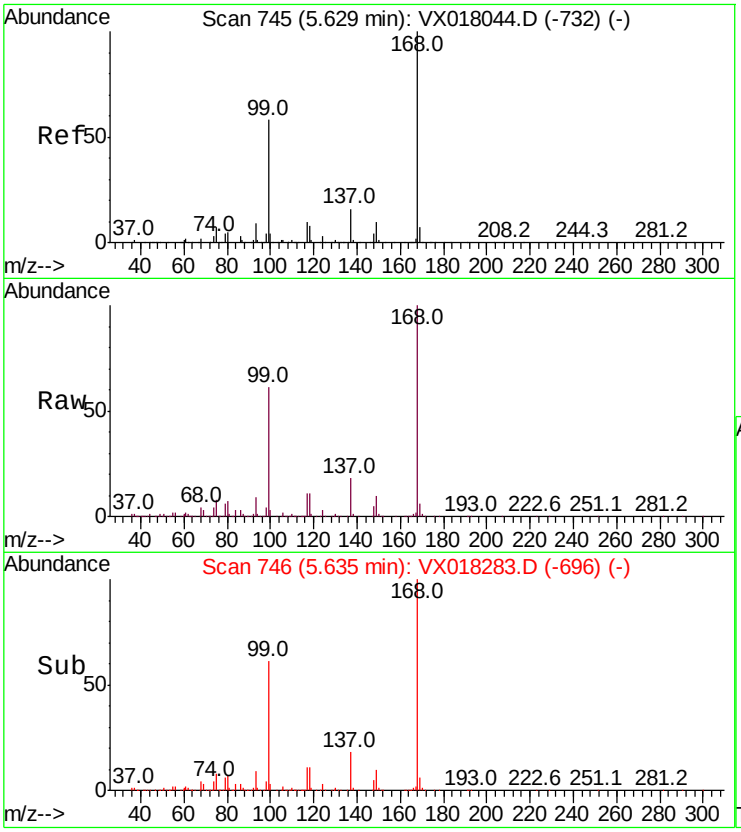
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090820\
Data File : VX018283.D
Acq On : 08 Sep 2020 18:19
Operator : JC/SP
Sample : PB131451ZHE#04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Quant Time: Sep 09 01:23:47 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



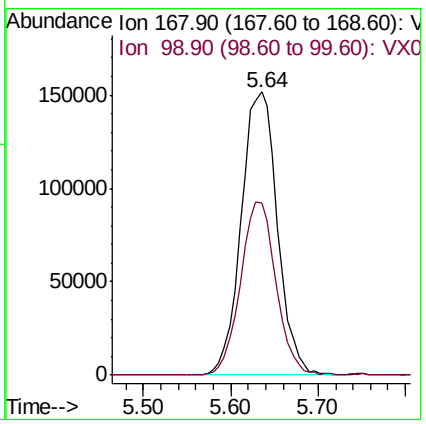


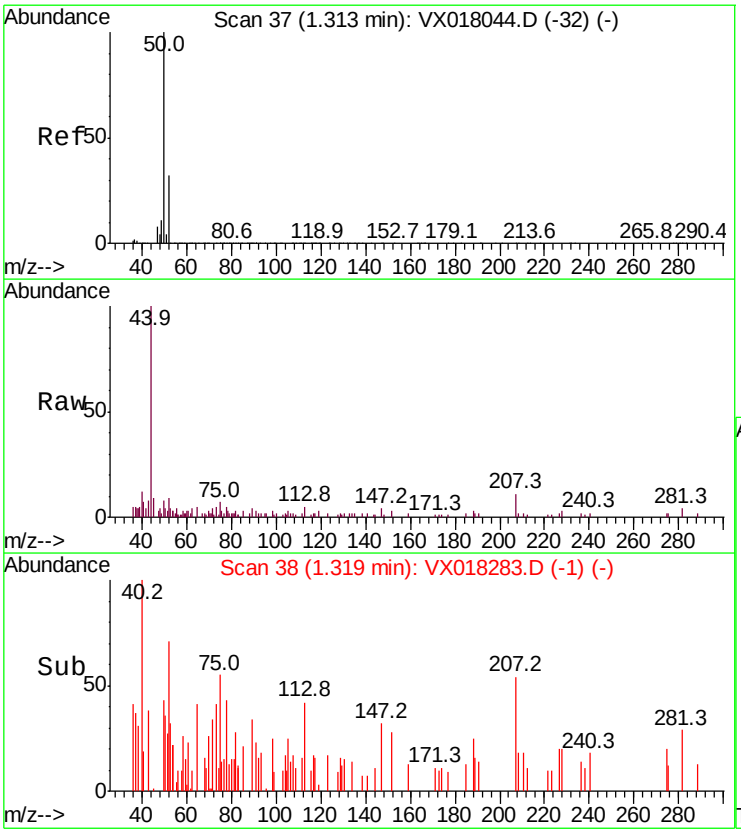

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion:168 Resp: 435920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.7 | 46.3 | 69.5 |

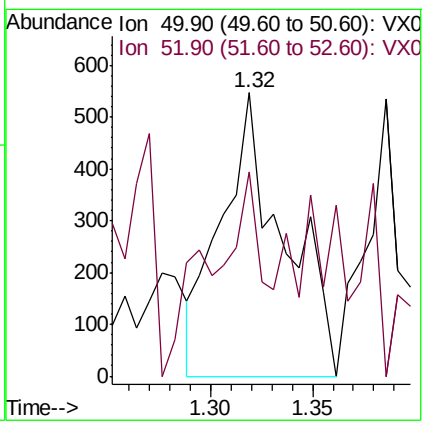


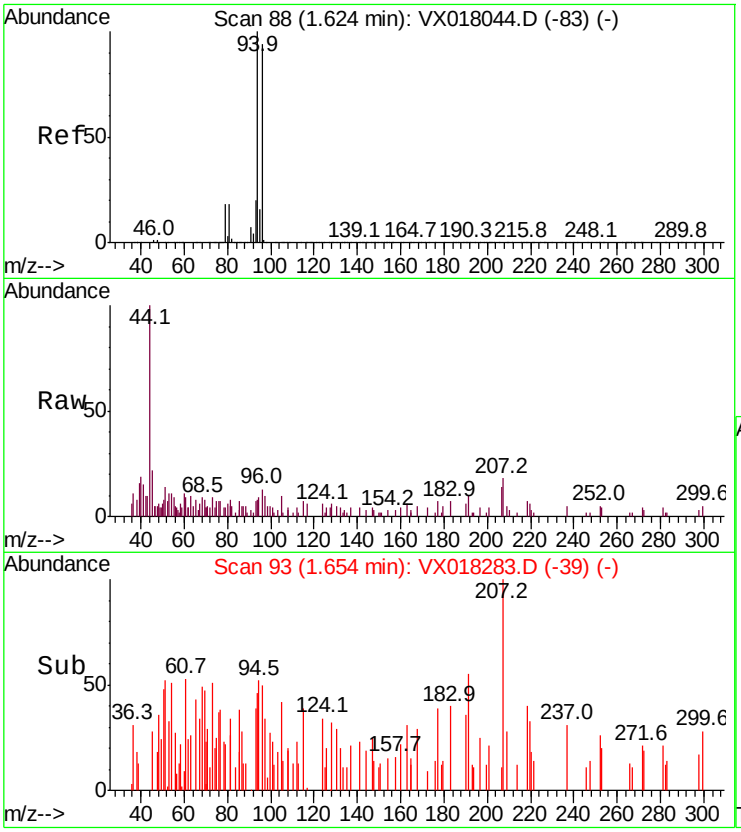




#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.32 min Scan# 38
Delta R.T. 0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 50 Resp: 1163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 25.4 | 38.2 |



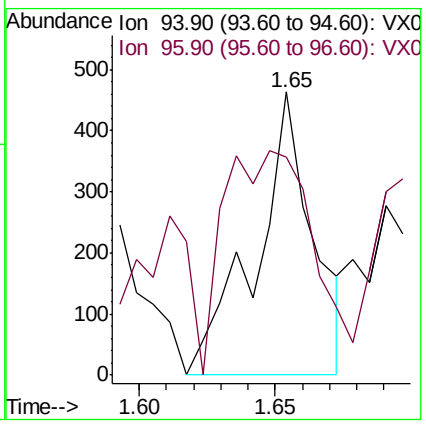


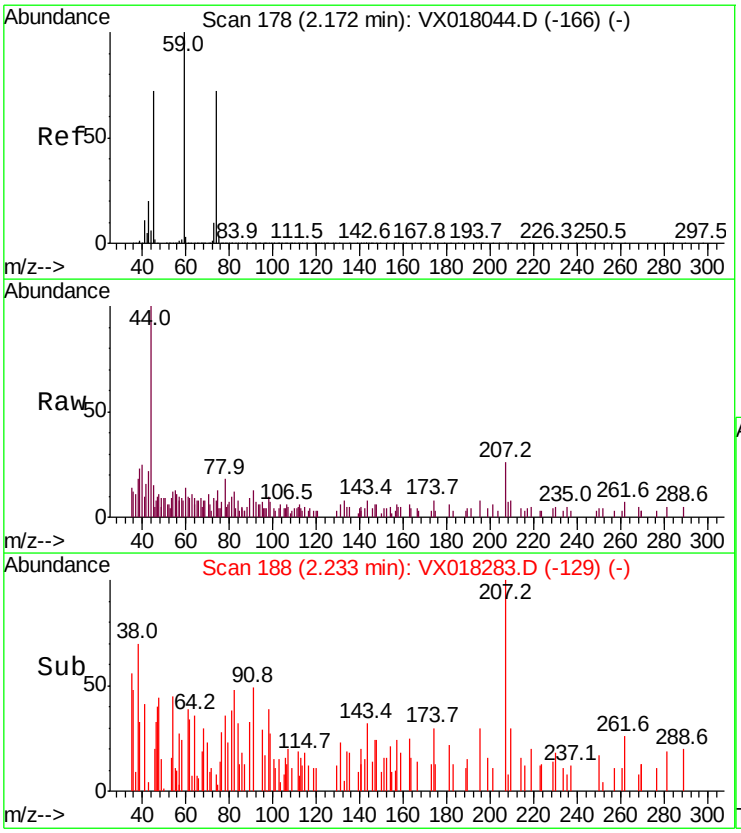

#5
Bromomethane
Concen: 0.250 ug/l
RT: 1.65 min Scan# 93
Delta R.T. 0.03 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion: 94 Resp: 673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 52.9 | 74.8 | 112.2# |

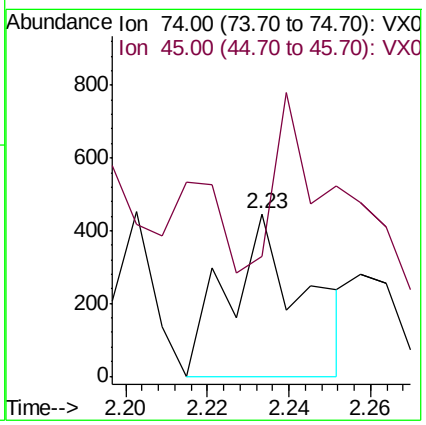


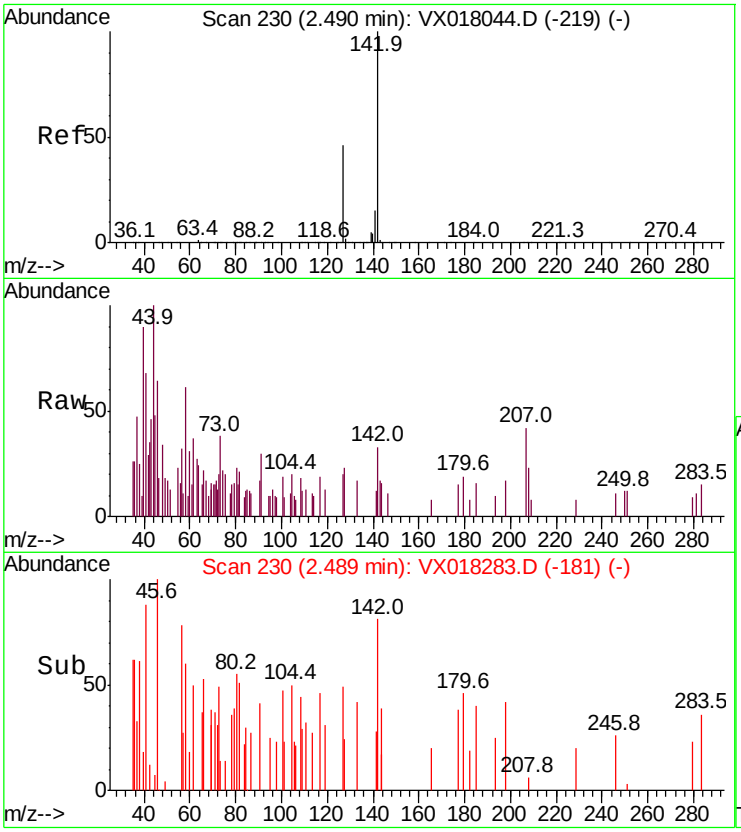




#8
Diethyl Ether
Concen: 0.223 ug/l
RT: 2.23 min Scan# 188
Delta R.T. 0.06 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 74 Resp: 575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 99.3 | 50.7 | 152.3 |



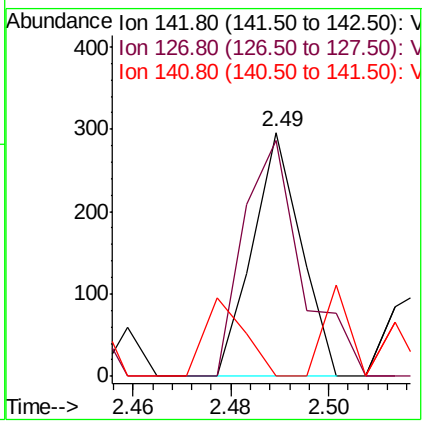


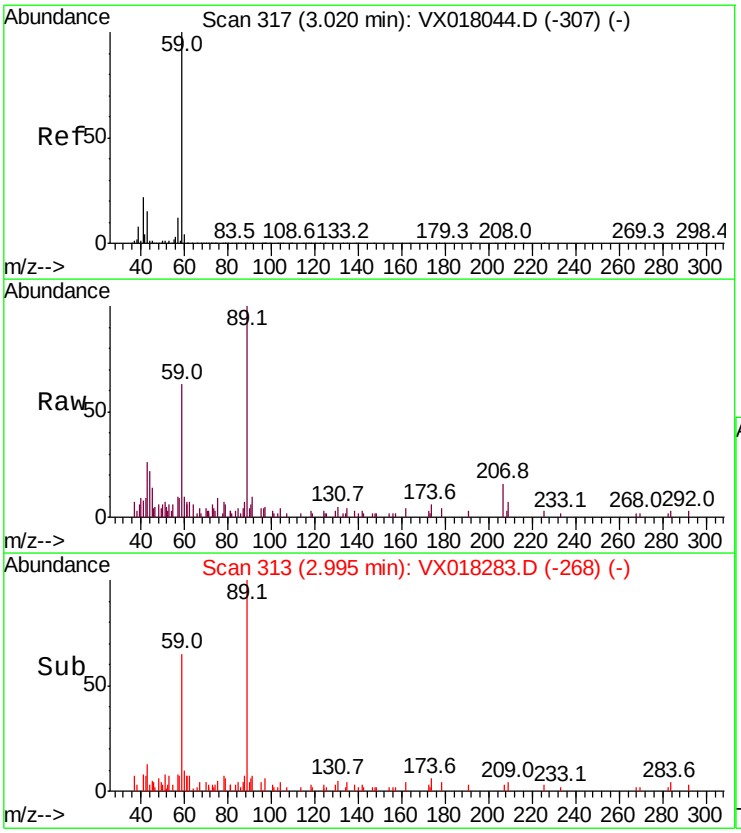

#10
Methyl Iodide
Concen: 5.328 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion:142 Resp: 203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 117.2 | 37.0 | 55.6# |
| 141 | 26.6 | 11.5 | 17.3# |

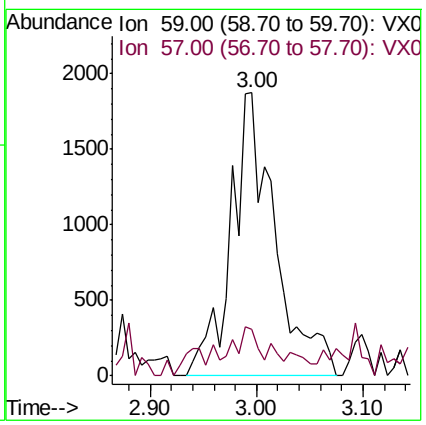


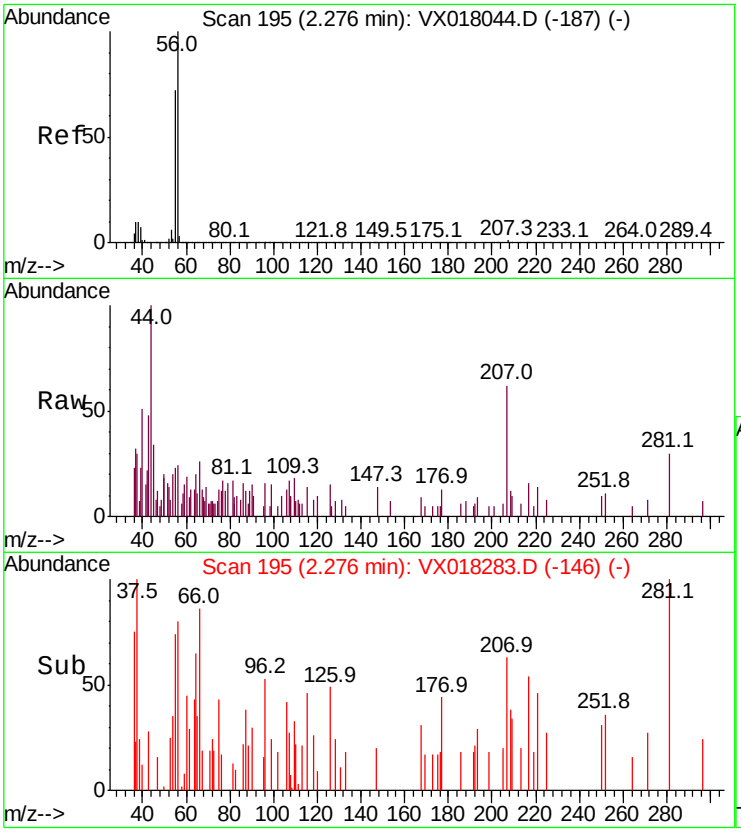




#11
Tert butyl alcohol
Concen: 4.595 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 59 Resp: 5407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 5.2 | 8.9 | 13.3# |



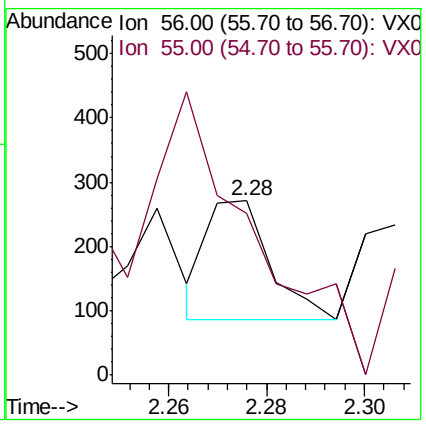


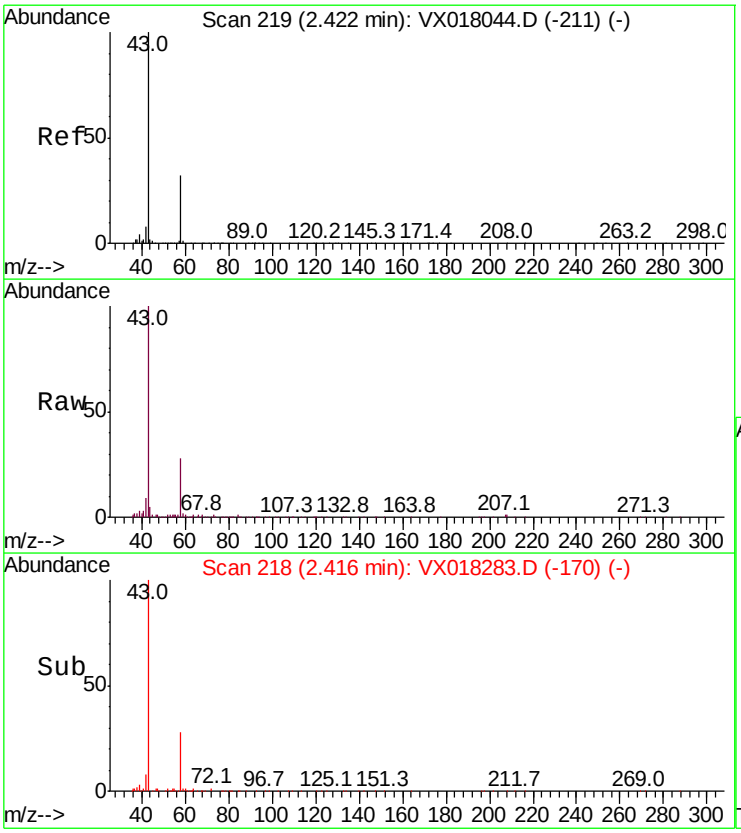

#13
Acrolein
Concen: 0.344 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion: 56 Resp: 168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 0.0 | 57.0 | 85.6# |

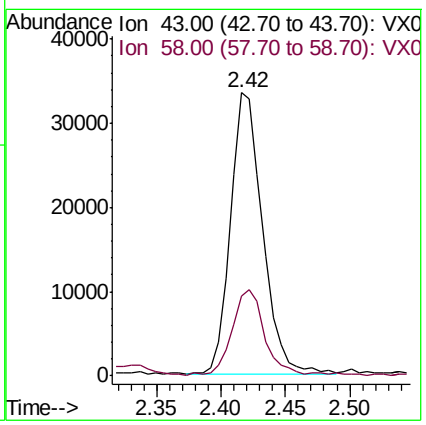


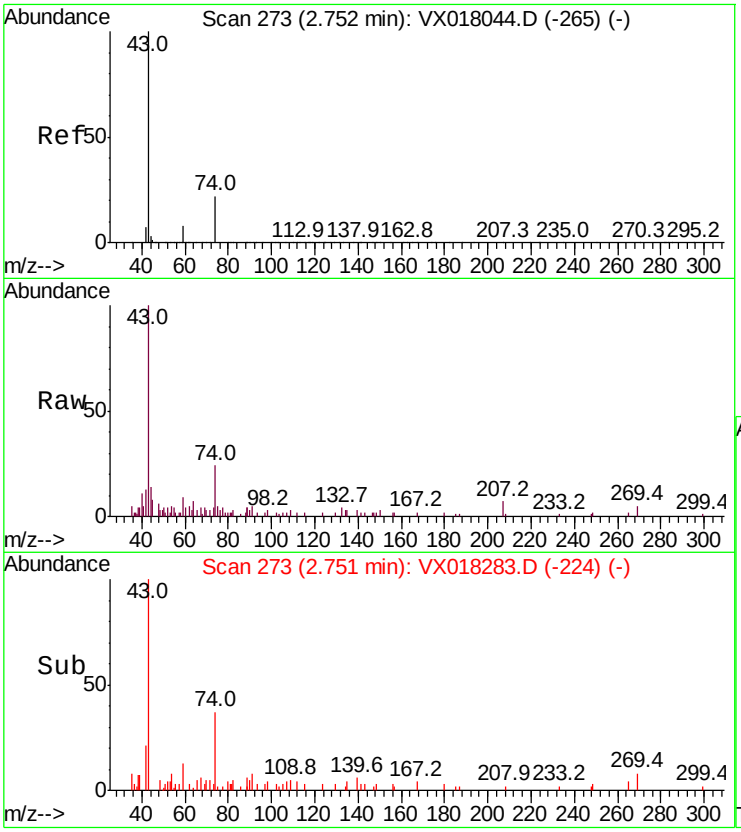




#16
Acetone
Concen: 24.678 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 43 Resp: 58194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 25.5 | 38.3 |



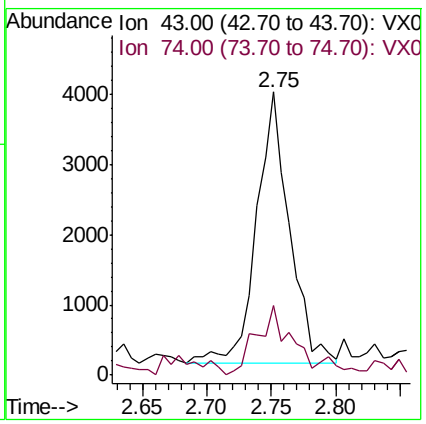


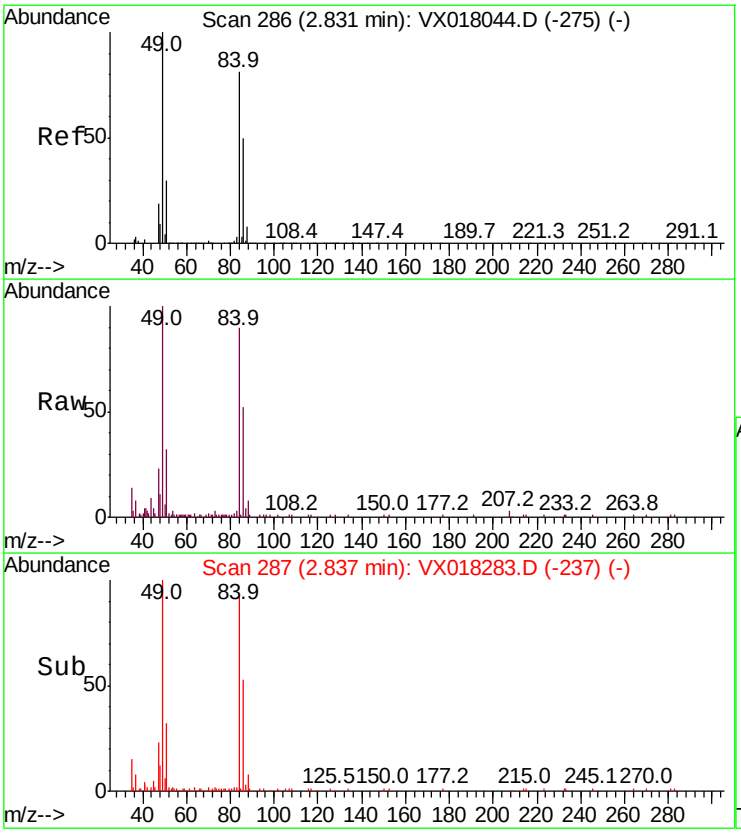

#18
Methyl Acetate
Concen: 1.204 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Tgt Ion: 43 Resp: 6854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 27.2 | 18.2 | 27.4 |

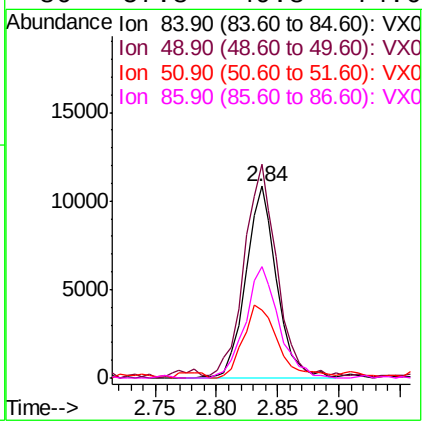


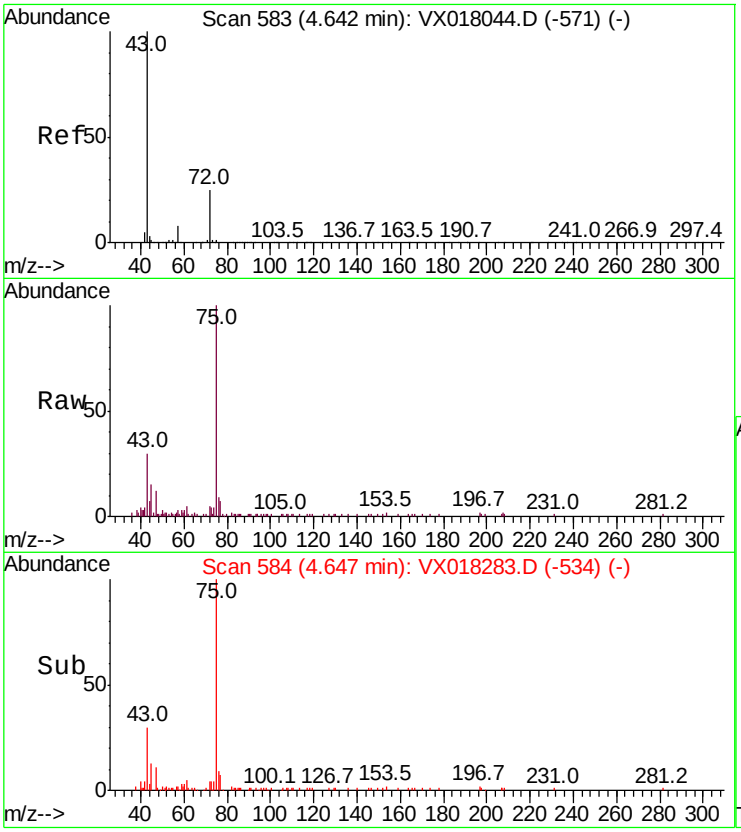




#20
Methylene Chloride
Concen: 2.853 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 84 Resp: 19064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.7 | 98.6 | 148.0 |
| 51 | 32.7 | 29.6 | 44.4 |
| 86 | 57.8 | 49.8 | 74.6 |



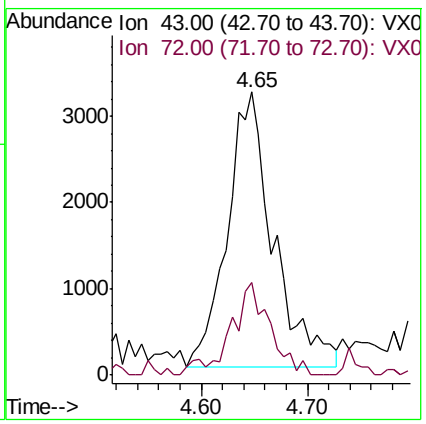


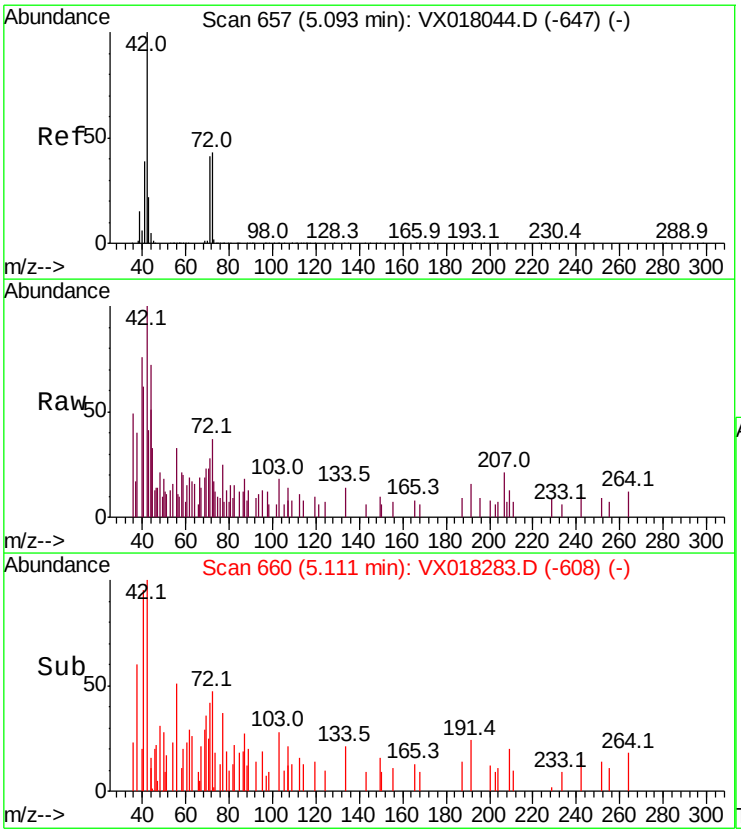

#25
2-Butanone
Concen: 2.497 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Tgt Ion: 43 Resp: 9677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 33.6 | 19.8 | 29.6# |

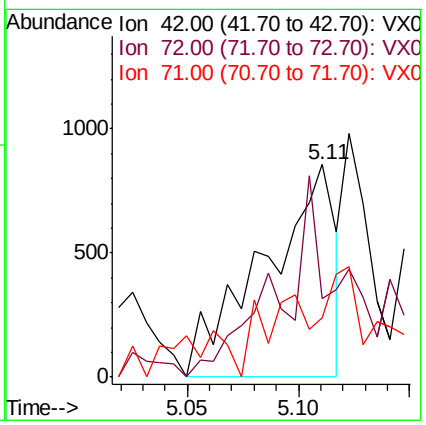


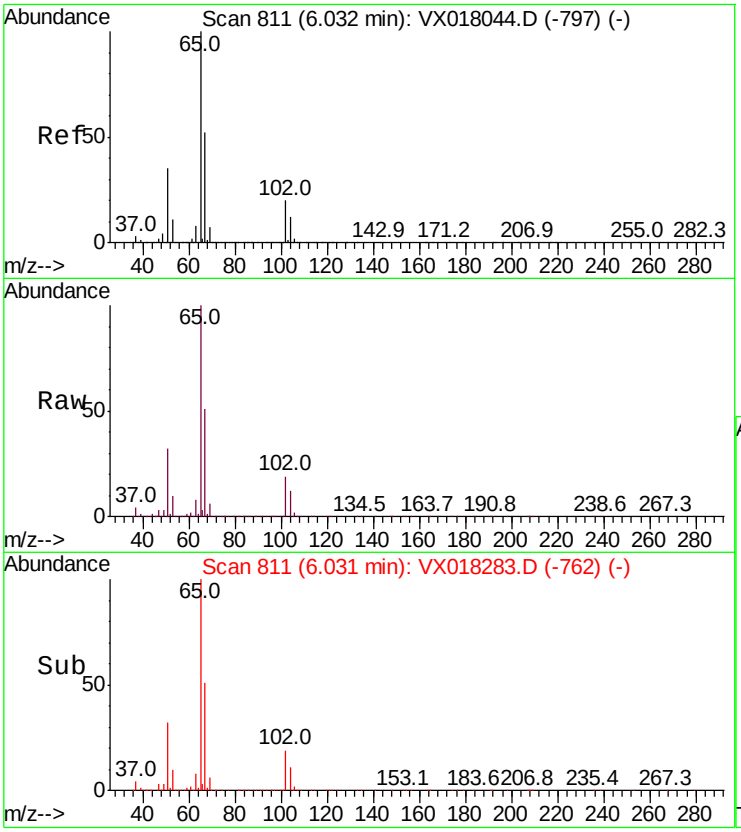




#29
Tetrahydrofuran
Concen: 0.772 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 42 Resp: 1904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 78.6 | 34.2 | 51.4# |
| 71 | 24.5 | 32.1 | 48.1# |



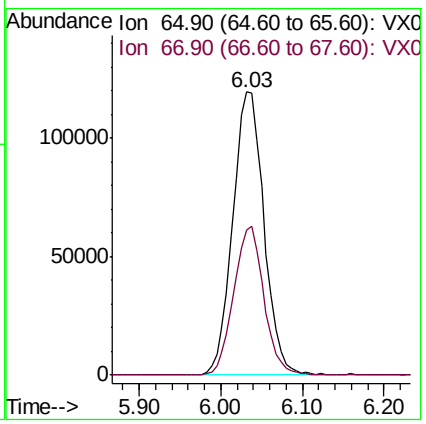


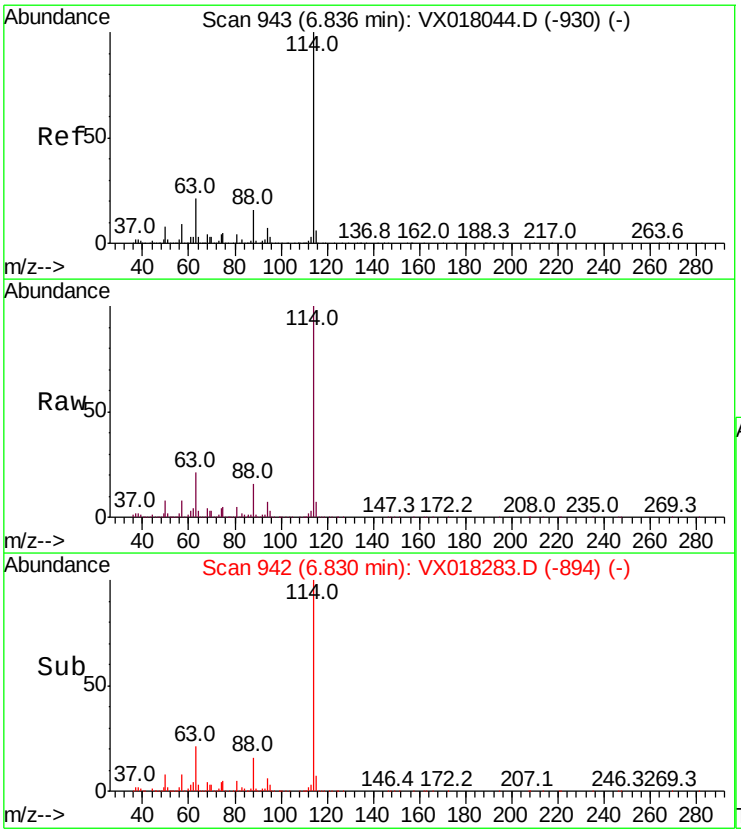

#33
1,2-Dichloroethane-d4
Concen: 52.269 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Tgt Ion: 65 Resp: 316317

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

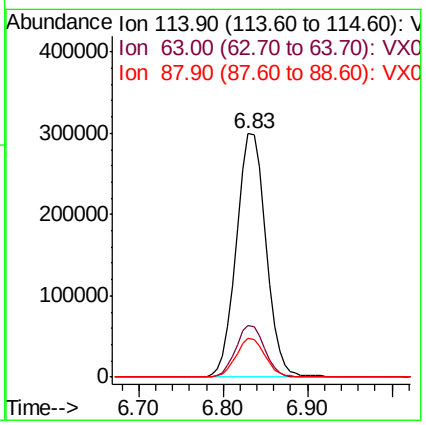


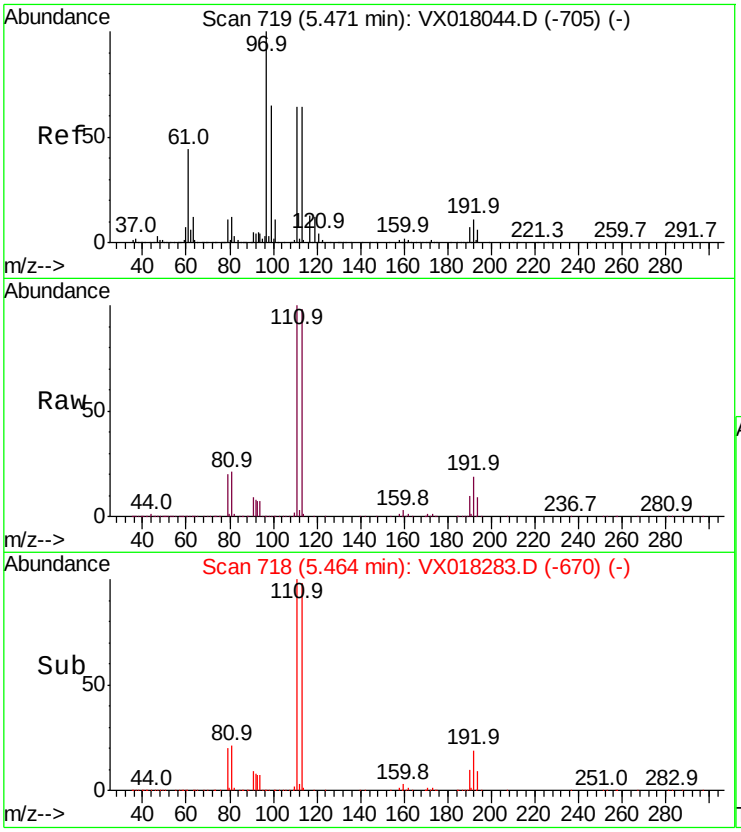




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion:114 Resp: 708248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 0.0 | 42.6 |
| 88 | 15.8 | 0.0 | 31.8 |



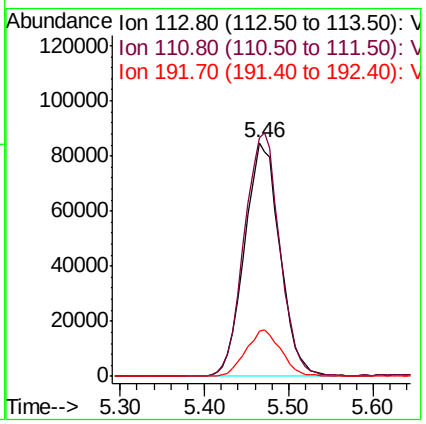


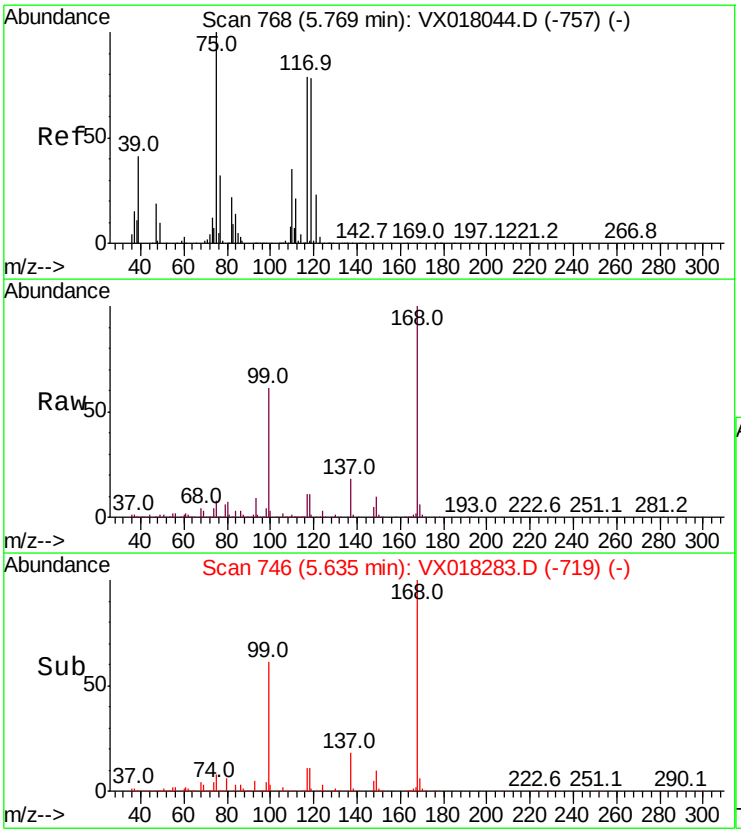

#35
Dibromofluoromethane
Concen: 50.147 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion:113 Resp: 241887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.8 | 81.6 | 122.4 |
| 192 | 19.8 | 15.8 | 23.8 |

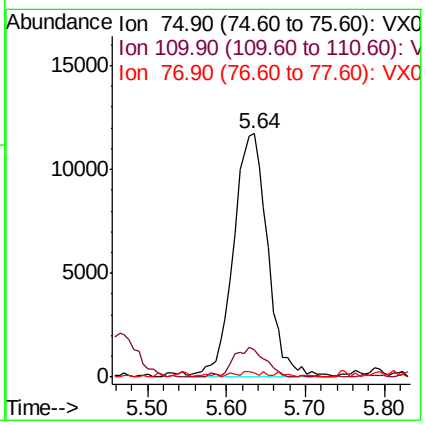


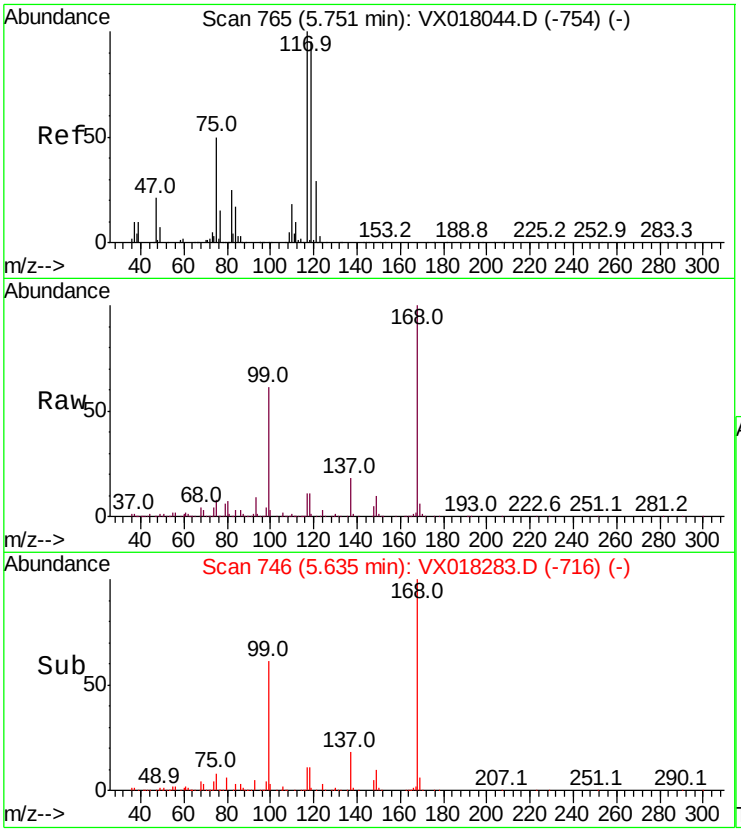




#36
1,1-Dichloropropene
Concen: 5.424 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 75 Resp: 35430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.4 | 18.0 | 54.0# |
| 77 | 0.7 | 24.4 | 36.6# |



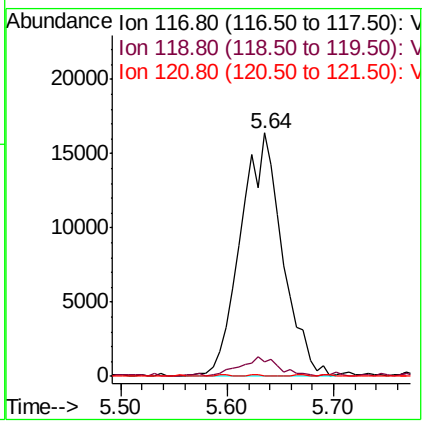


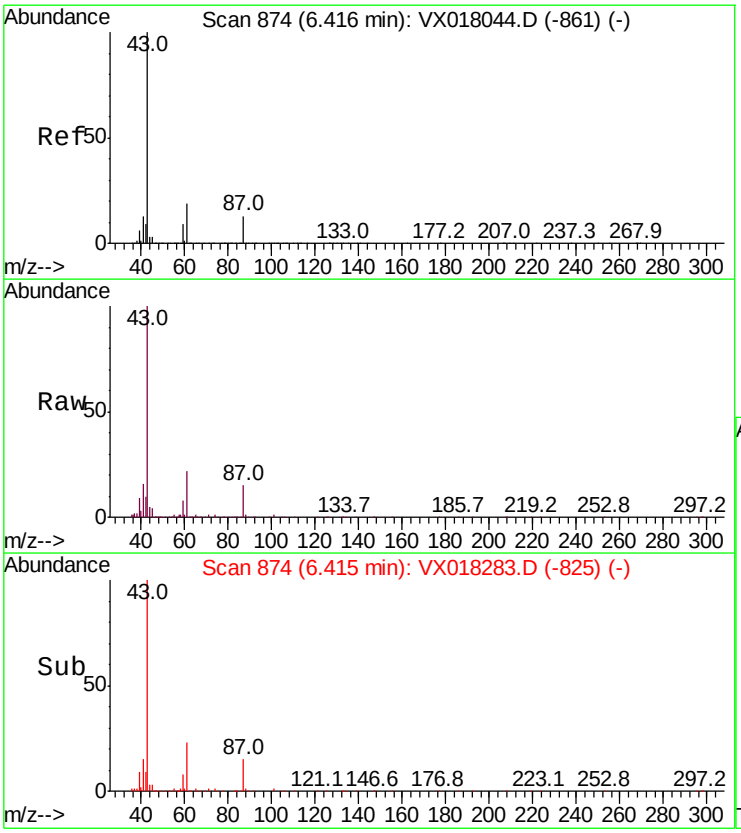

#38
Carbon Tetrachloride
Concen: 6.144 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Tgt Ion:117 Resp: 45230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 75.8 | 113.6# |
| 121 | 0.4 | 23.4 | 35.0# |

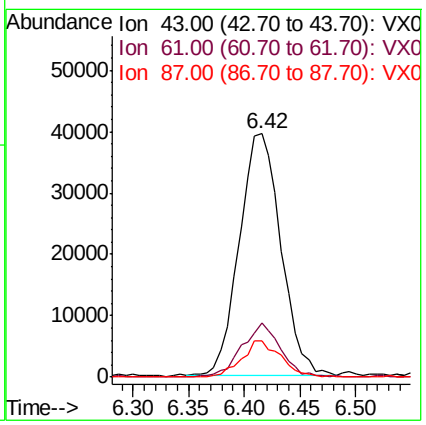


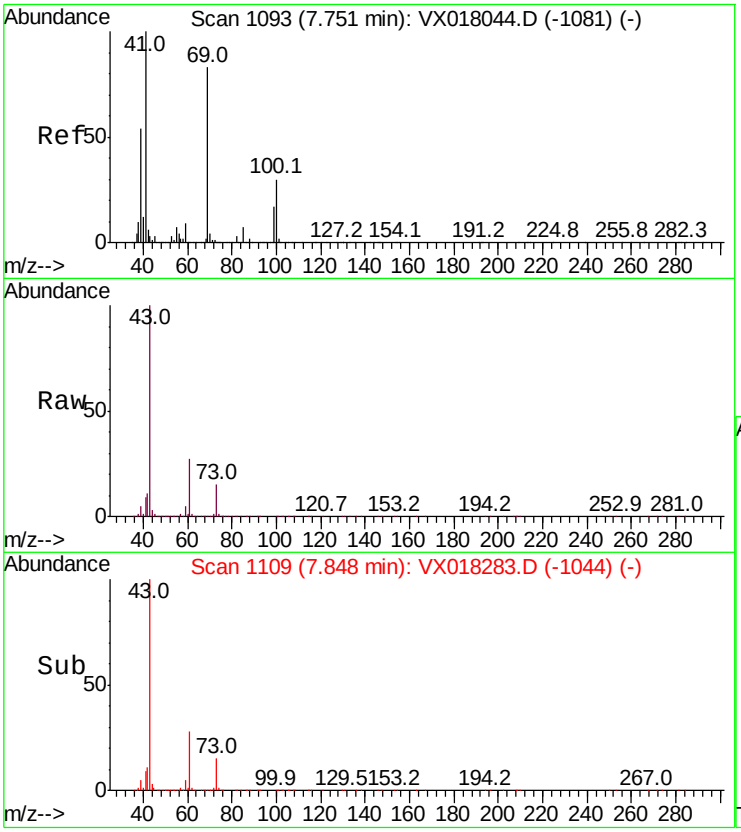




#43
Isopropyl Acetate
Concen: 8.368 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 43 Resp: 102551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.7 | 15.7 | 23.5 |
| 87 | 14.3 | 10.3 | 15.5 |



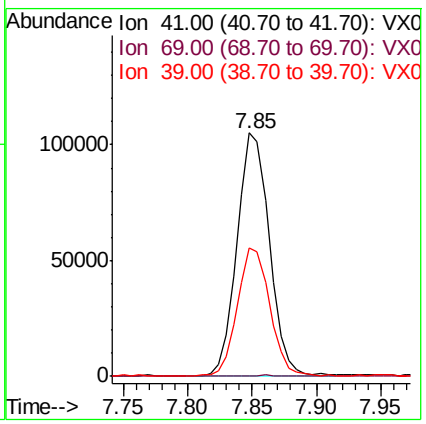


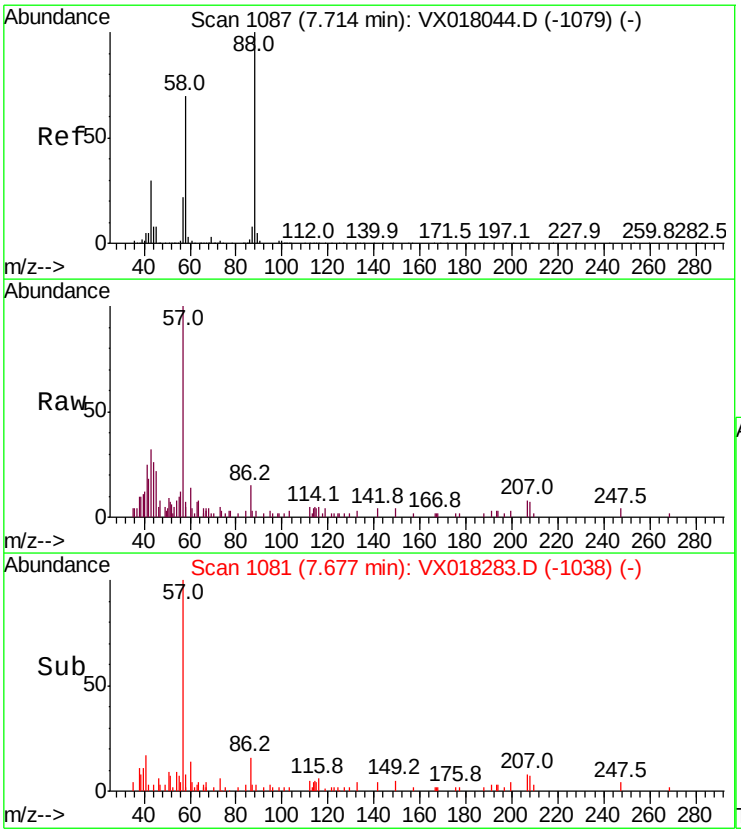

#48
Methyl methacrylate
Concen: 29.859 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.10 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Tgt Ion: 41 Resp: 182156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.3 | 65.5 | 98.3# |
| 39 | 53.6 | 44.5 | 66.7 |

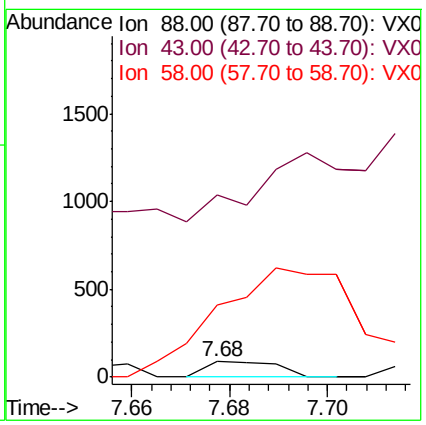


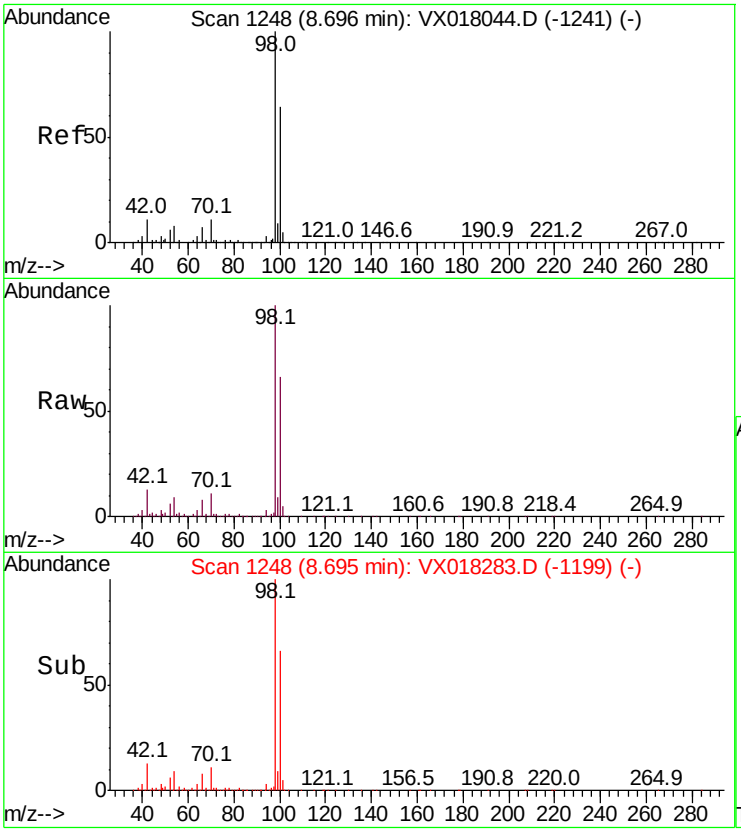




#49
1,4-Dioxane
Concen: 0.814 ug/l
RT: 7.68 min Scan# 1081
Delta R.T. -0.04 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 88 Resp: 90

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 27.4 | 41.0# |
| 58 | 1373.3 | 56.4 | 84.6# |



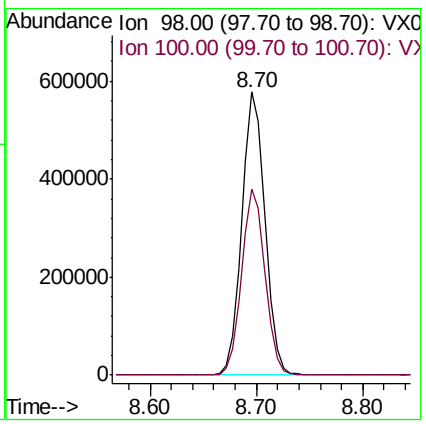


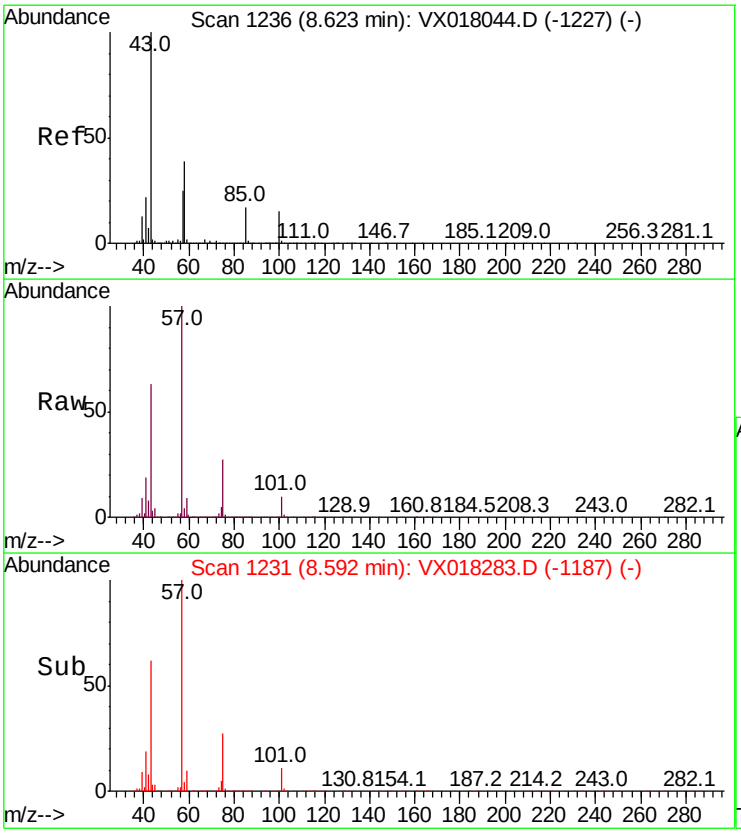

#50
Toluene-d8
Concen: 49.328 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion: 98 Resp: 886196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 52.2 | 78.4 |

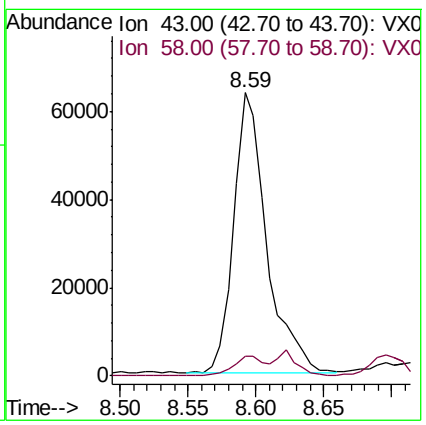


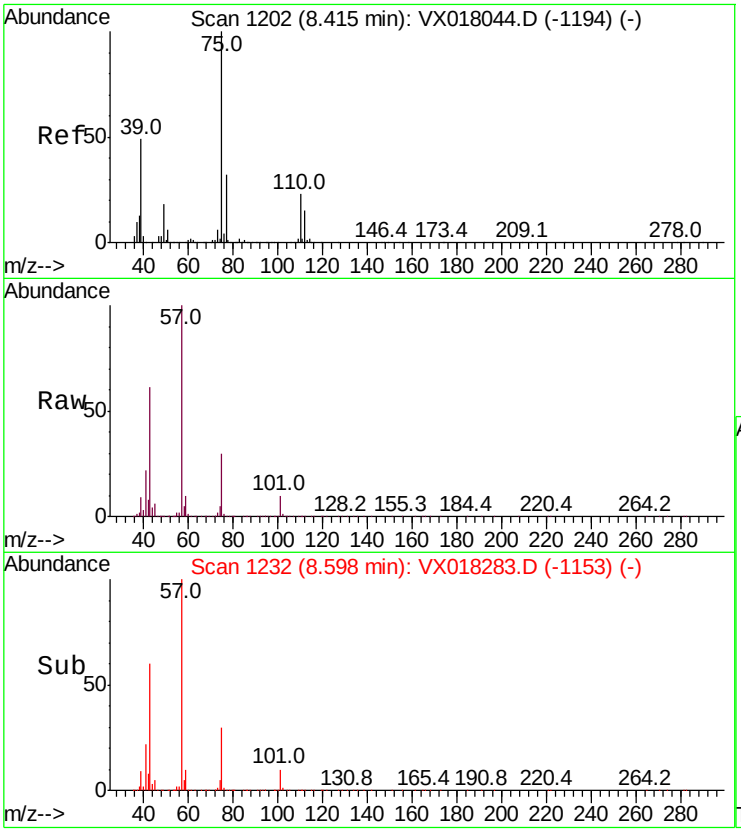




#51
4-Methyl-2-Pentanone
Concen: 14.163 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 43 Resp: 107209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 7.0 | 30.7 | 46.1# |



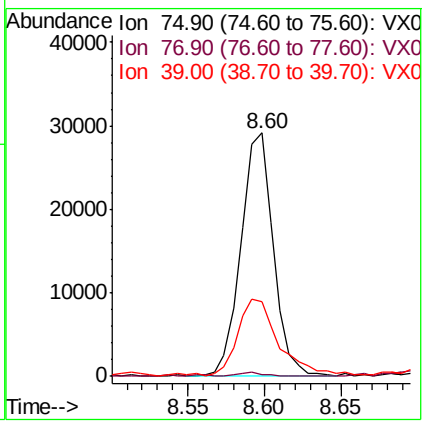


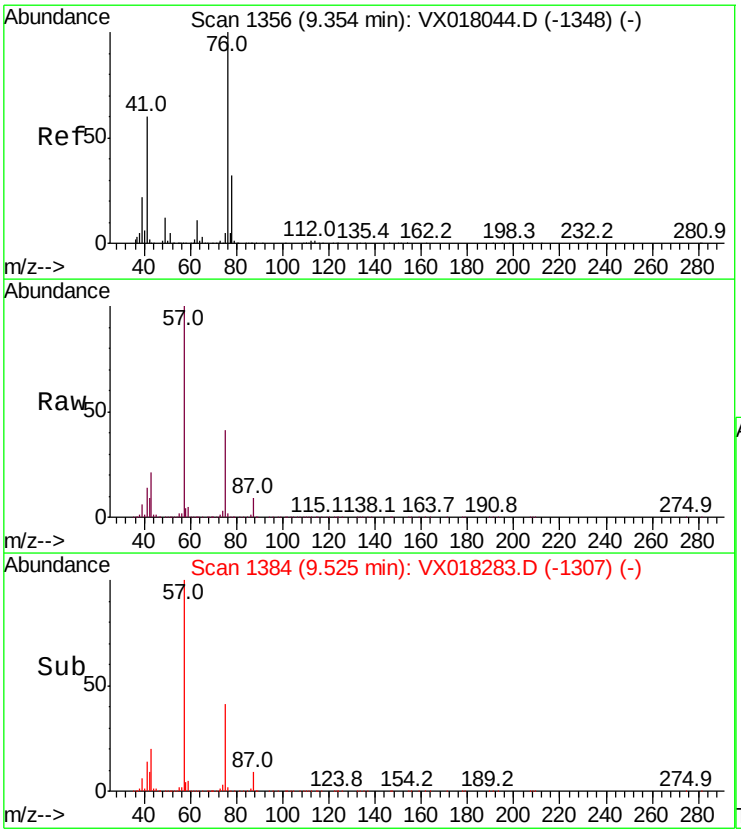

#54
cis-1,3-Dichloropropene
Concen: 4.998 ug/l
RT: 8.60 min Scan# 1232
Delta R.T. 0.18 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :** MSVOA_X
**ClientSampleId :** PB131451ZHE#04

Tgt Ion: 75 Resp: 42629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.8 | 25.8 | 38.8# |
| 39 | 30.4 | 38.8 | 58.2# |

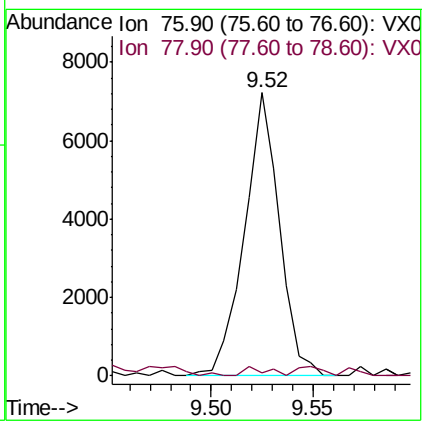


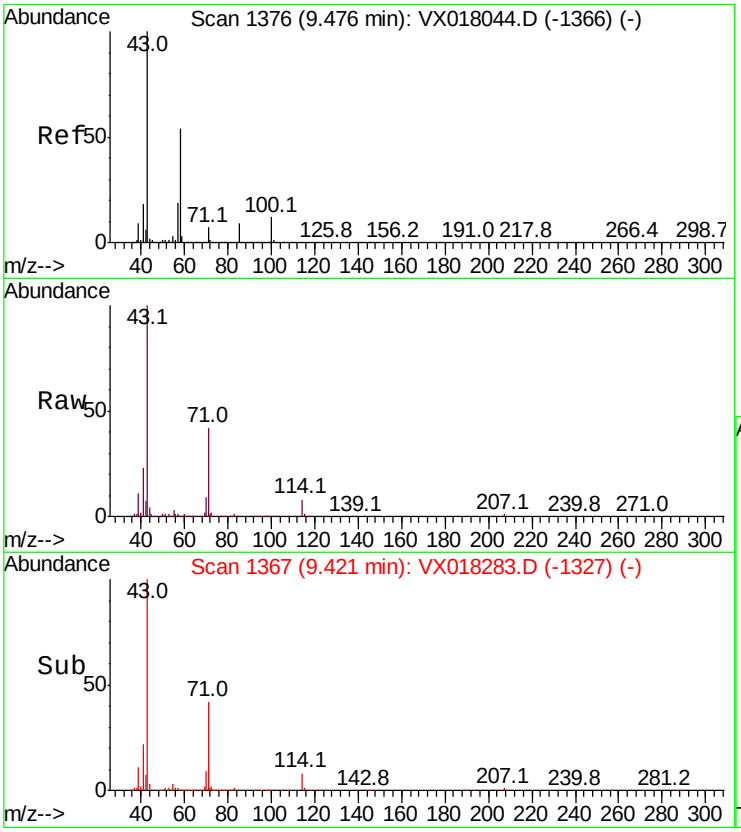




#57
1,3-Dichloropropane
Concen: 1.006 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.17 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 76 Resp: 8614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 2.0 | 25.8 | 38.6# |



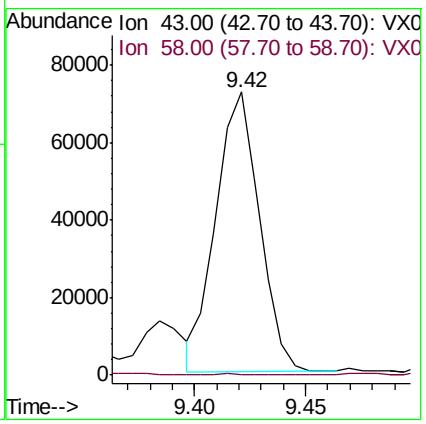


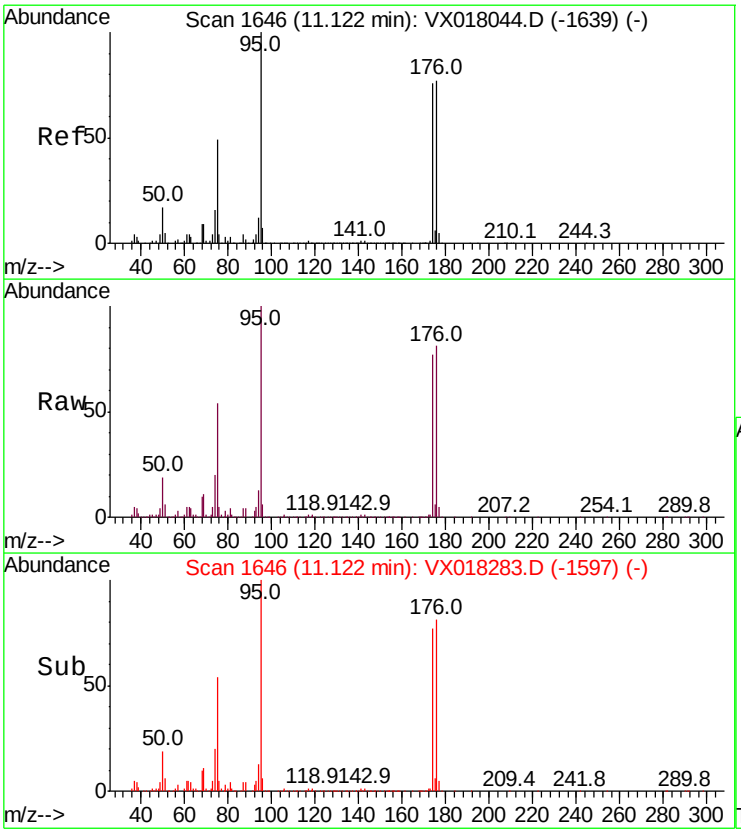

#59
2-Hexanone
Concen: 17.028 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion: 43 Resp: 98013

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

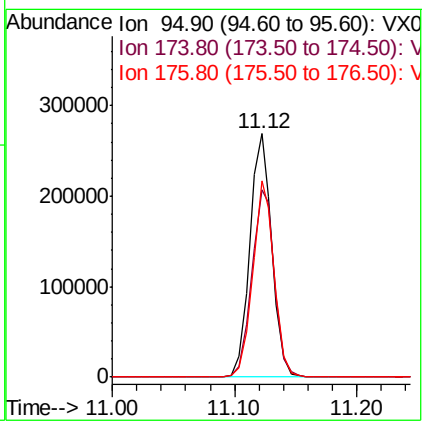


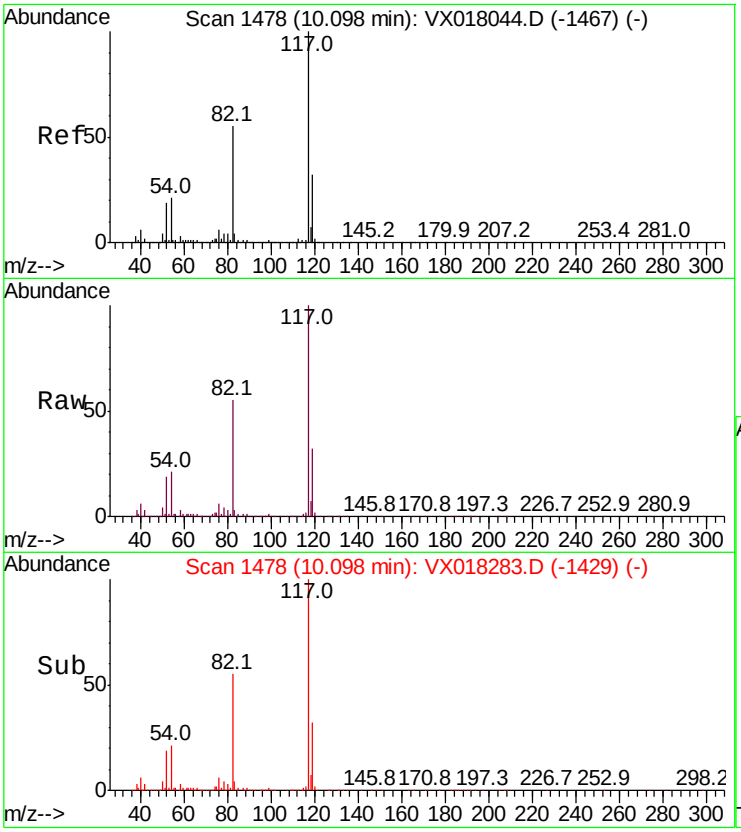




#62
4-Bromofluorobenzene
Concen: 47.719 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion: 95 Resp: 337296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.6 | 0.0 | 160.2 |
| 176 | 78.1 | 0.0 | 155.8 |



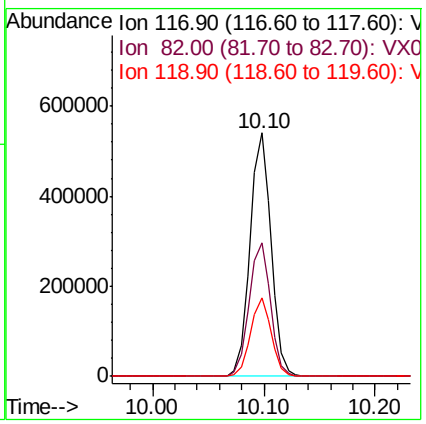


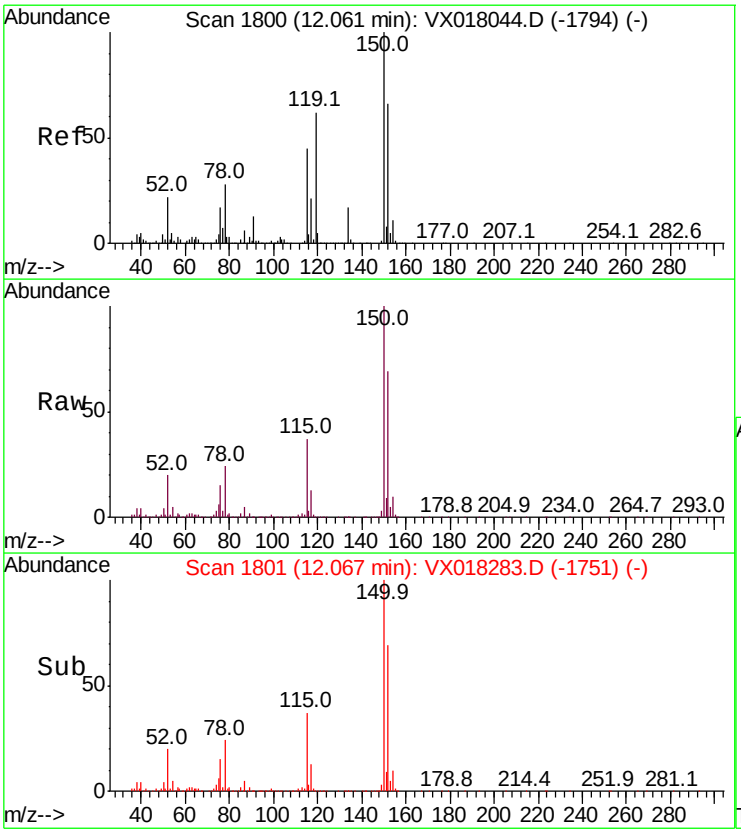

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion:117 Resp: 709884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.7 | 44.2 | 66.2 |
| 119 | 32.3 | 25.7 | 38.5 |

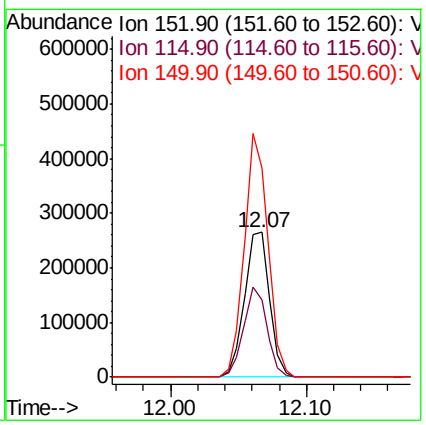


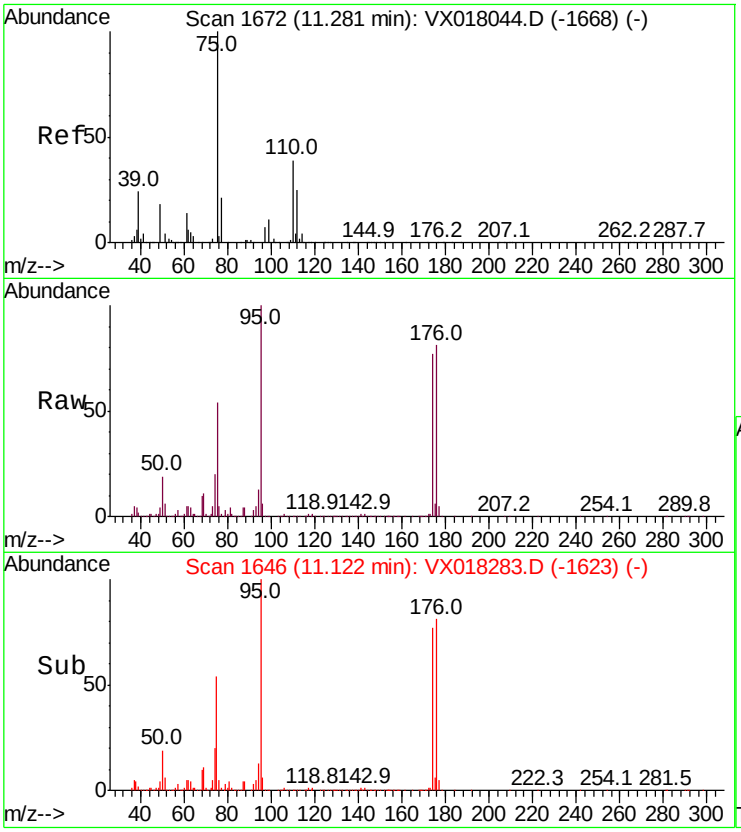




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion:152 Resp: 342098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 58.2 | 41.5 | 124.5 |
| 150 | 157.8 | 0.0 | 343.8 |



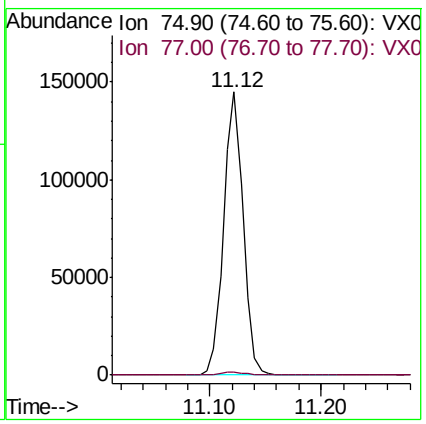


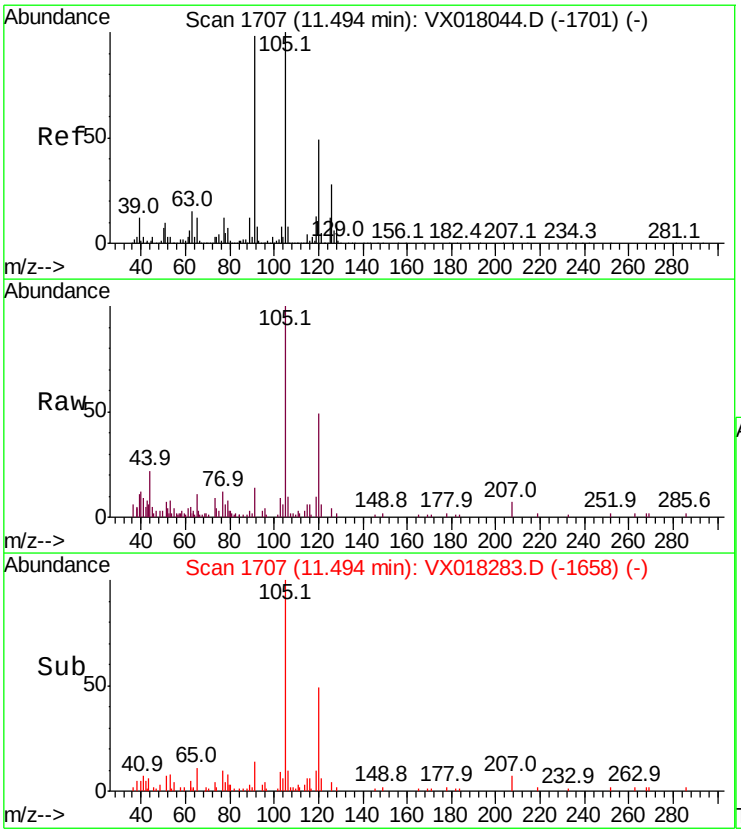

#76
1,2,3-Trichloropropane
Concen: 23.018 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.16 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion: 75 Resp: 175166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.6 | 20.8 | 62.2# |

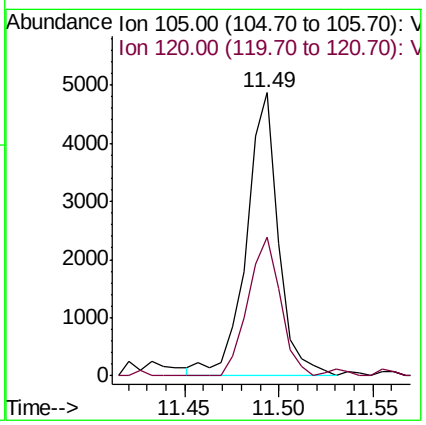


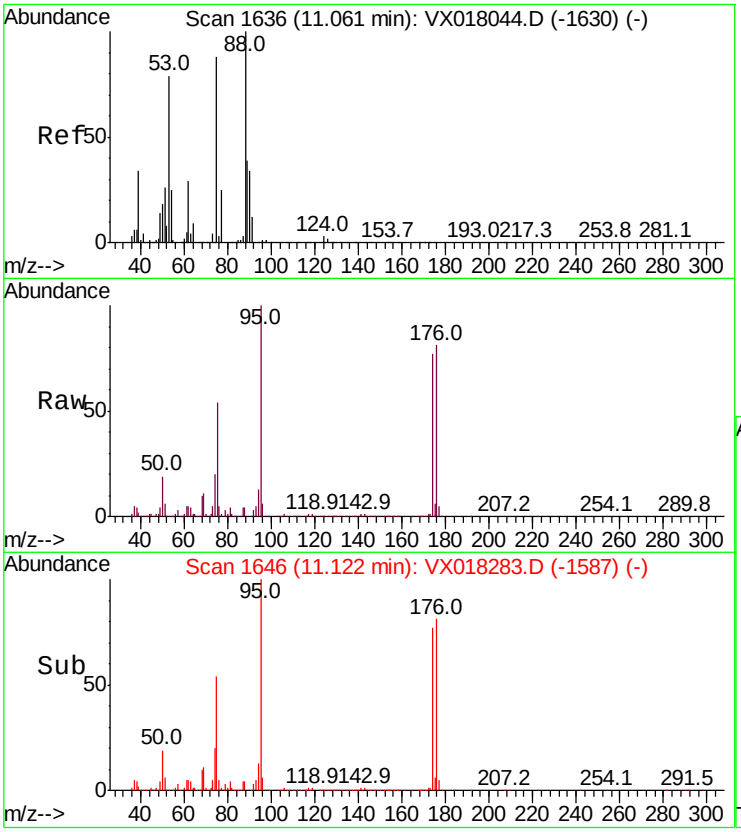




#80
1,3,5-Trimethylbenzene
Concen: 0.309 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

Tgt Ion:105 Resp: 5732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.6 | 24.1 | 72.2 |






#81
trans-1,4-Dichloro-2-butene
Concen: 62.167 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX018283.D
Acq: 08 Sep 2020 18:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB131451ZHE#04

Tgt Ion: 75 Resp: 175166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.3 | 74.7 | 112.1# |
| 89 | 0.1 | 36.6 | 54.8# |