Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020519\
Data File : VX007379.D
Acq On : 05 Feb 2019 16:18
Operator : JC/SP
Sample : PB116824ZHE#05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB116824ZHE#05

Quant Time: Feb 06 00:18:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 443241 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 689902 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 649765 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 333760 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 244391 | 51.95 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.90% | | | | |
| 35) Dibromofluoromethane | 5.51 | 113 | 216745 | 48.28 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.56% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 839907 | 50.43 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.86% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 297045 | 48.85 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.70% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.32 | 50 | 2019 | 0.404 | ug/l | | 89 |
| 5) Bromomethane | 1.64 | 94 | 1130 | Below Cal | | | 93 |
| 6) Chloroethane | 1.74 | 64 | 862 | 0.272 | ug/l | # | 43 |
| 11) Tert butyl alcohol | 3.01 | 59 | 2488 | 2.555 | ug/l | | 98 |
| 13) Acrolein | 2.32 | 56 | 311 | 0.681 | ug/l | # | 1 |
| 16) Acetone | 2.48 | 43 | 25634 | 11.895 | ug/l | | 93 |
| 17) Carbon Disulfide | 2.60 | 76 | 131 | 2.132 | ug/l | # | 75 |
| 18) Methyl Acetate | 2.79 | 43 | 41811 | 7.951 | ug/l | | 99 |
| 20) Methylene Chloride | 2.85 | 84 | 10592 | 2.029 | ug/l | # | 85 |
| 25) 2-Butanone | 4.73 | 43 | 10923 | 3.562 | ug/l | | 100 |
| 36) 1,1-Dichloropropene | 5.66 | 75 | 28183 | 4.553 | ug/l | # | 51 |
| 38) Carbon Tetrachloride | 5.66 | 117 | 39357 | 6.554 | ug/l | # | 17 |
| 43) Isopropyl Acetate | 6.47 | 43 | 23317 | 2.414 | ug/l | # | 92 |
| 48) Methyl methacrylate | 7.71 | 41 | 13809 | 2.858 | ug/l | # | 27 |
| 49) 1,4-Dioxane | 7.74 | 88 | 48 | 7.313 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 130052 | 20.454 | ug/l | # | 47 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 65401 | 9.839 | ug/l | # | 61 |
| 57) 1,3-Dichloropropane | 9.55 | 76 | 14592 | 1.871 | ug/l | # | 43 |
| 59) 2-Hexanone | 9.44 | 43 | 20944 | 4.233 | ug/l | # | 24 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 144823 | 22.308 | ug/l | # | 33 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 4692 | 0.253 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 144823 | 67.349 | ug/l | # | 8 |

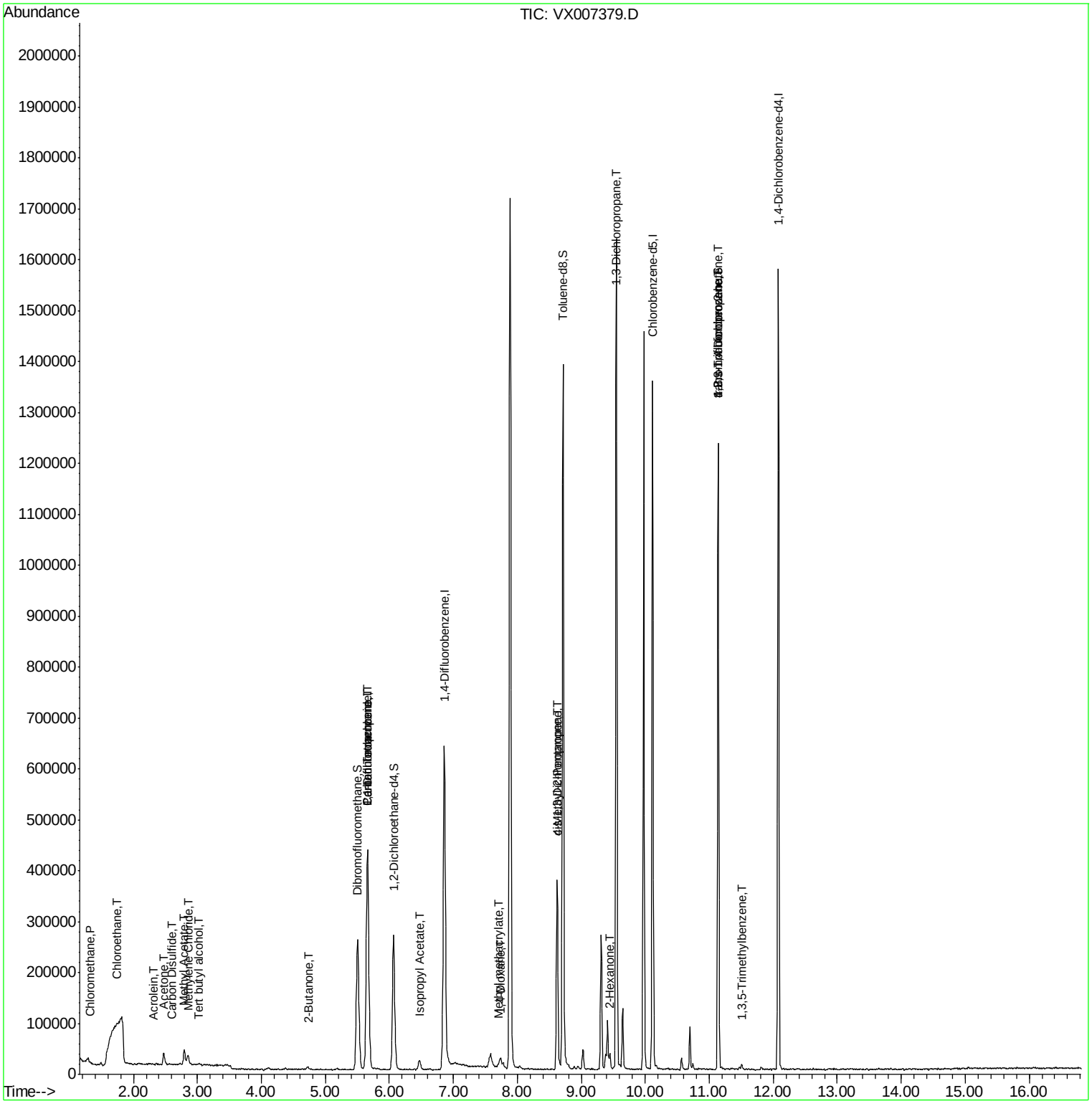
(#) = qualifier out of range (m) = manual integration (+) = signals summed

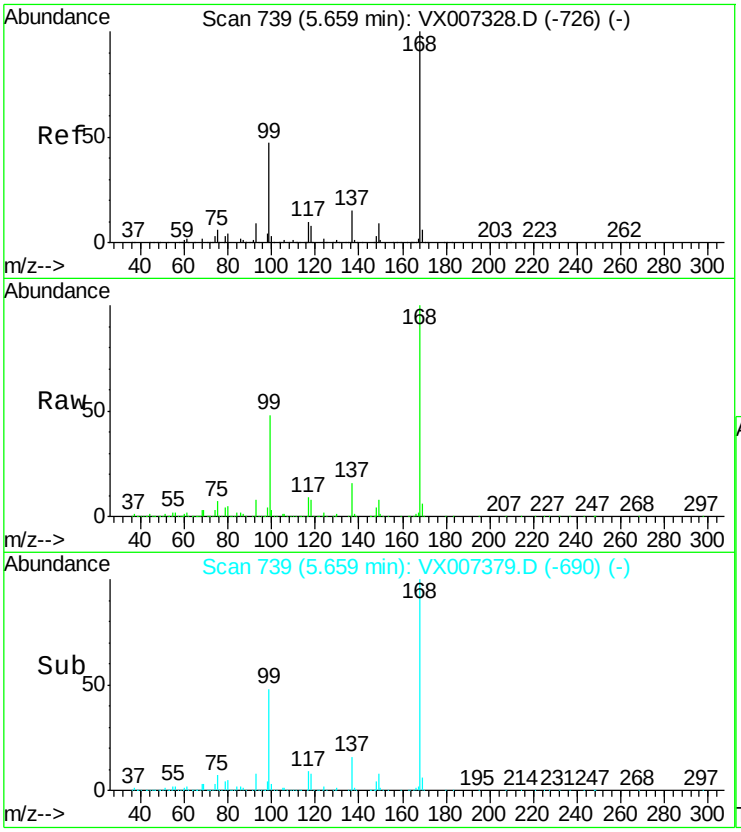
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020519\
Data File : VX007379.D
Acq On : 05 Feb 2019 16:18
Operator : JC/SP
Sample : PB116824ZHE#05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB116824ZHE#05

Quant Time: Feb 06 00:18:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration



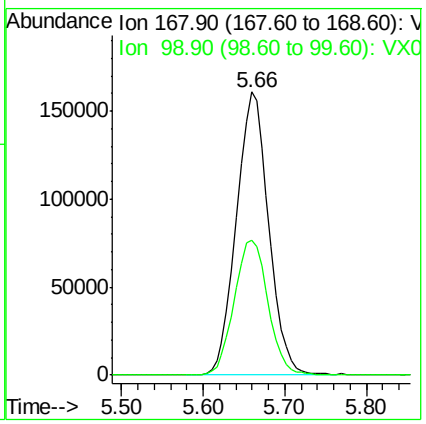


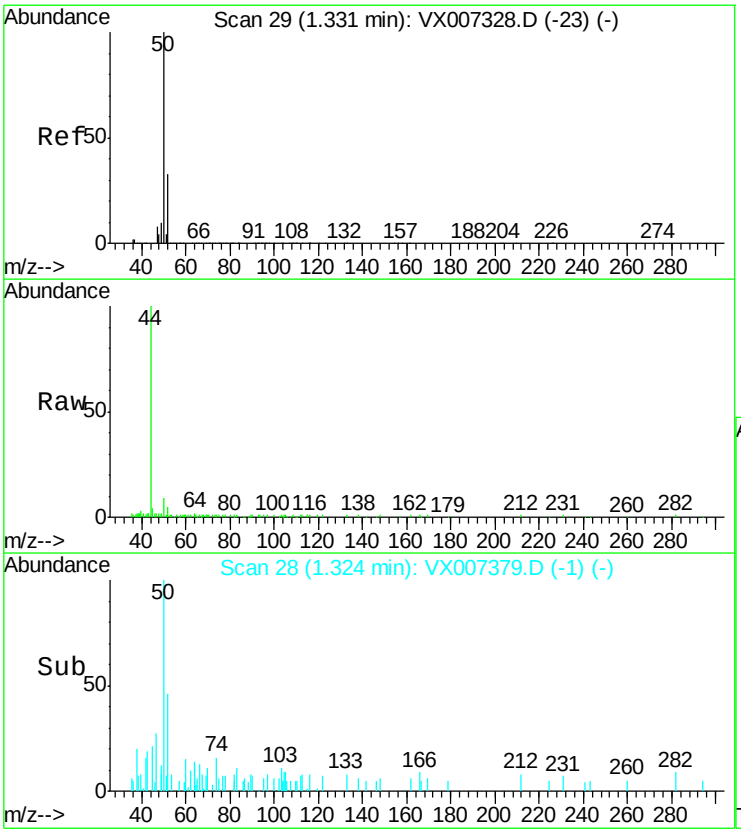

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion:168 Resp: 443241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 47.7 | 37.9 | 56.9 |

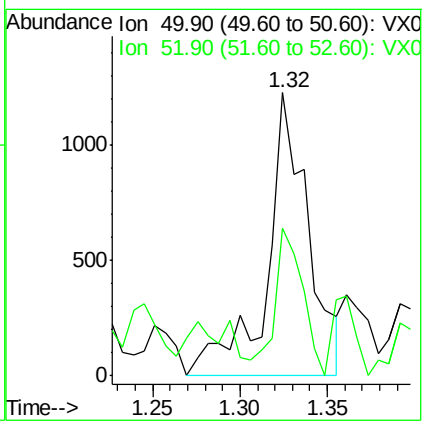


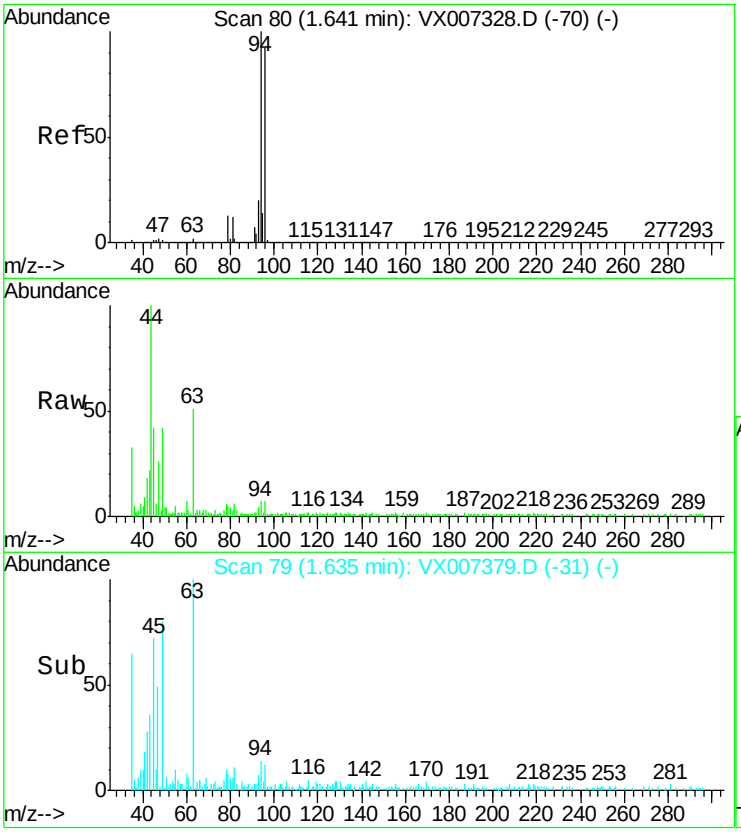




#3
Chloromethane
Concen: 0.404 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 50 Resp: 2019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 39.0 | 26.1 | 39.1 |



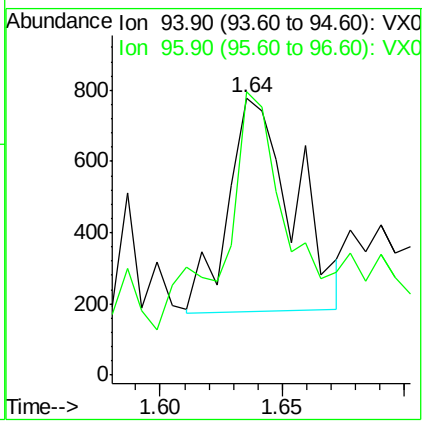


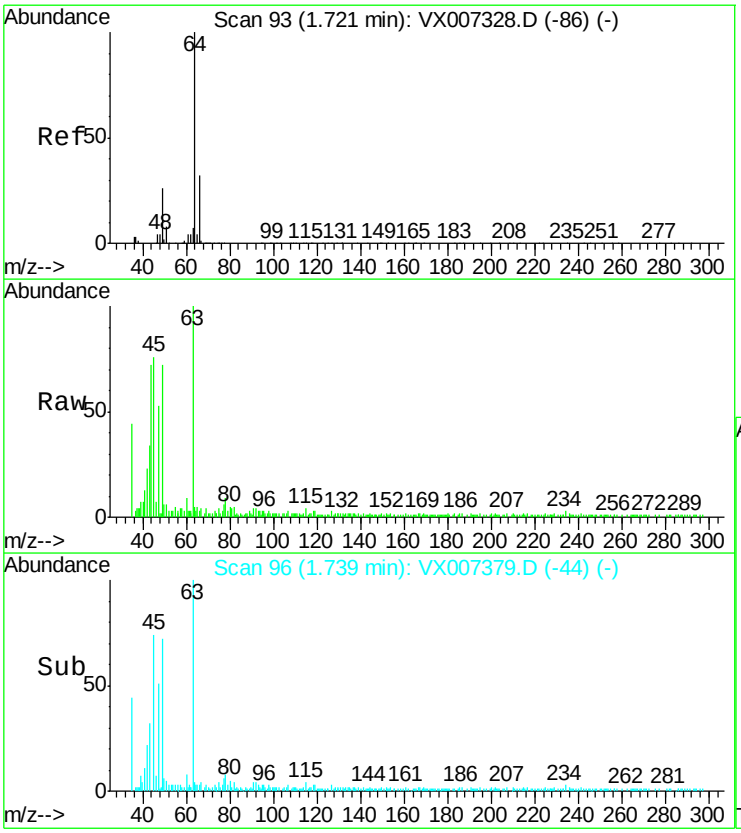

#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 79
Delta R.T. -0.01 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 94 Resp: 1130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 85.4 | 73.9 | 110.9 |

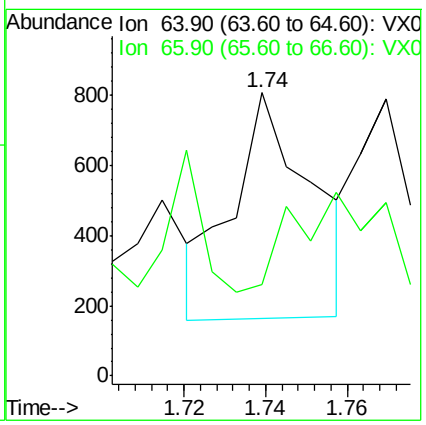


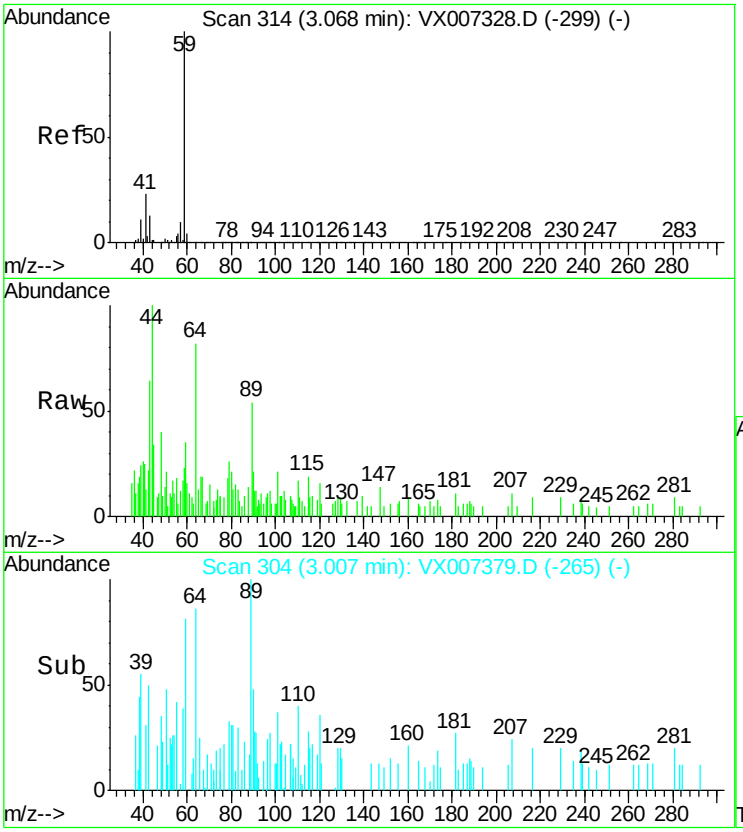




#6
Chloroethane
Concen: 0.272 ug/l
RT: 1.74 min Scan# 96
Delta R.T. 0.02 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 64 Resp: 862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.5 | 38.3# |



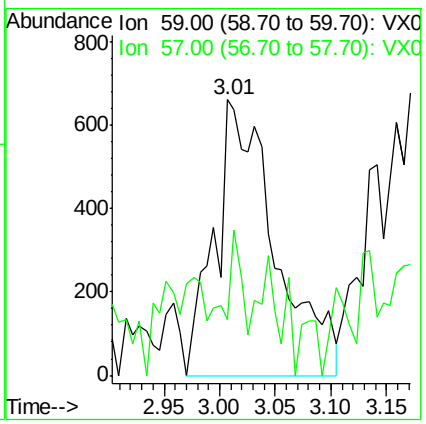


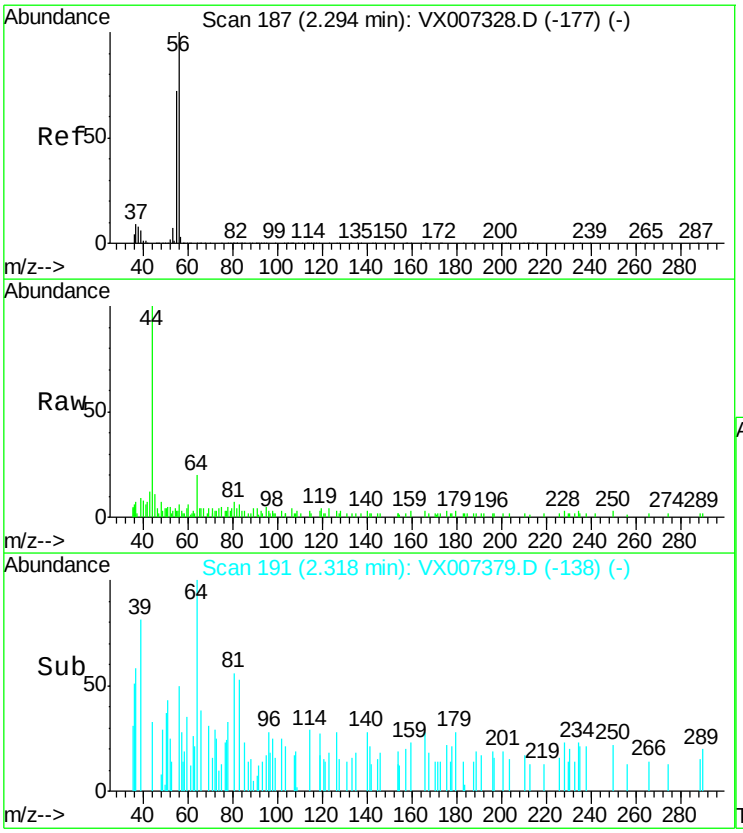

#11
Tert butyl alcohol
Concen: 2.555 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.06 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 59 Resp: 2488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.1 | 12.1 |

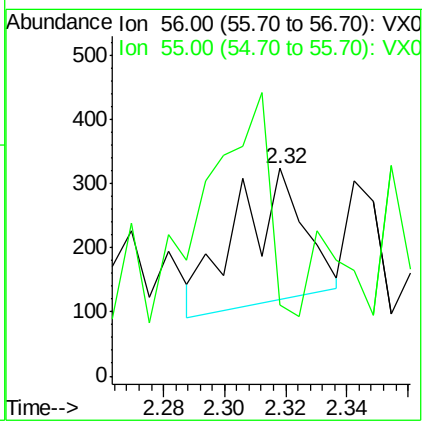


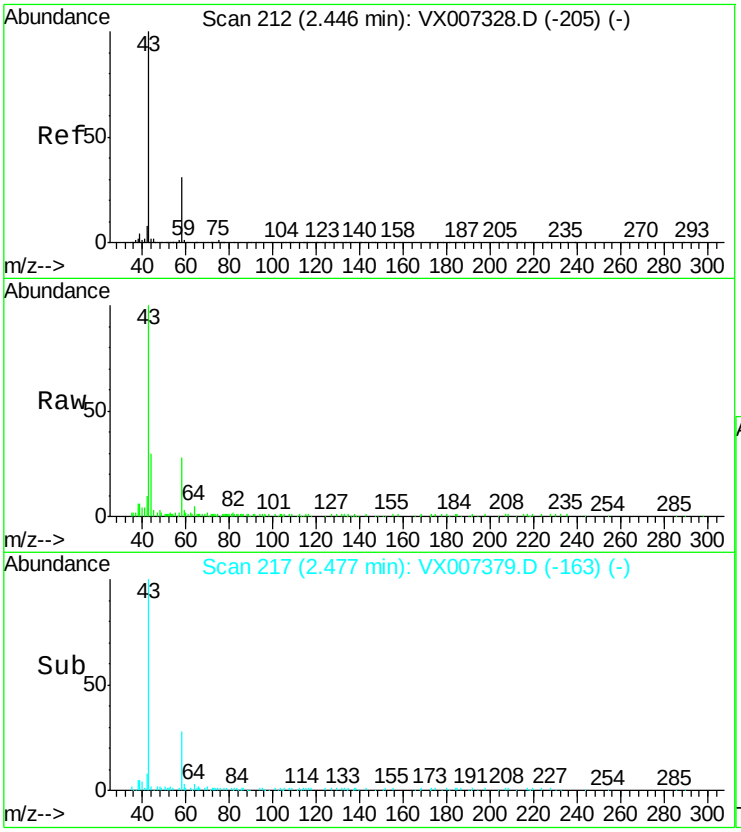




#13
Acrolein
Concen: 0.681 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 56 Resp: 311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 162.7 | 56.9 | 85.3# |



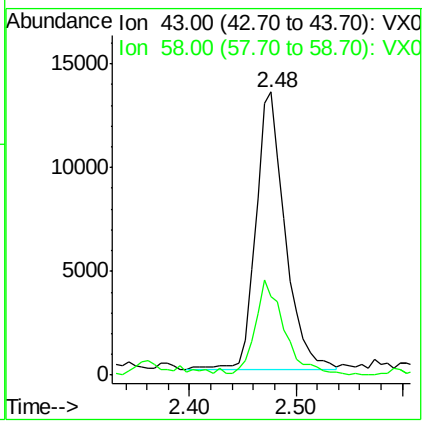


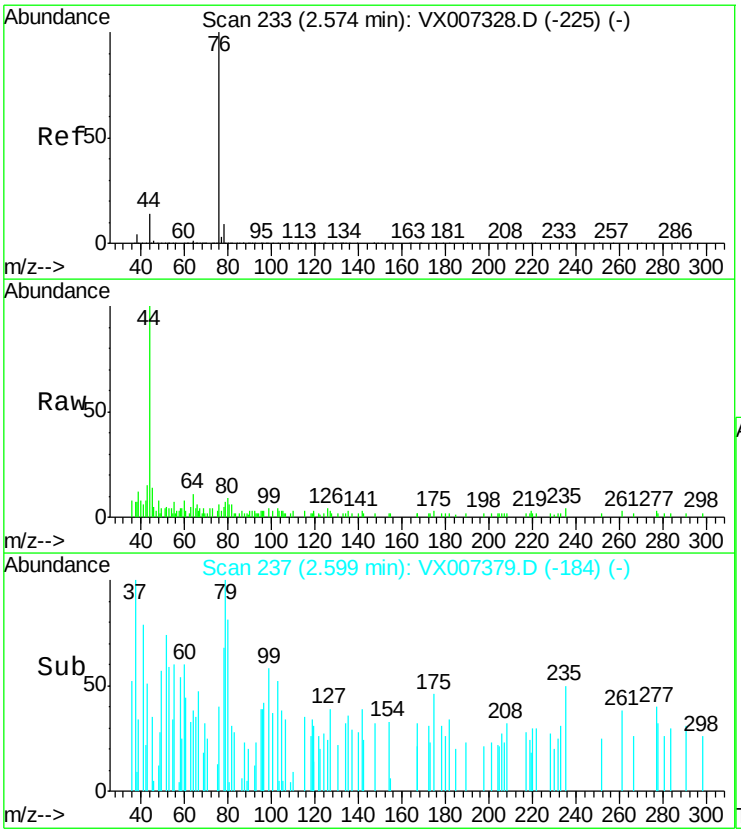

#16
Acetone
Concen: 11.895 ug/l
RT: 2.48 min Scan# 217
Delta R.T. 0.03 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :** MSVOA_X
**ClientSampleId :** PB116824ZHE#05

Tgt Ion: 43 Resp: 25634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.4 | 24.9 | 37.3 |

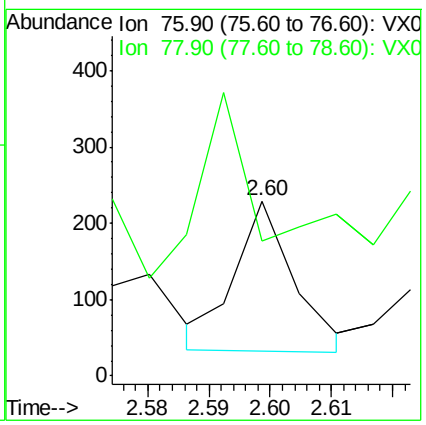


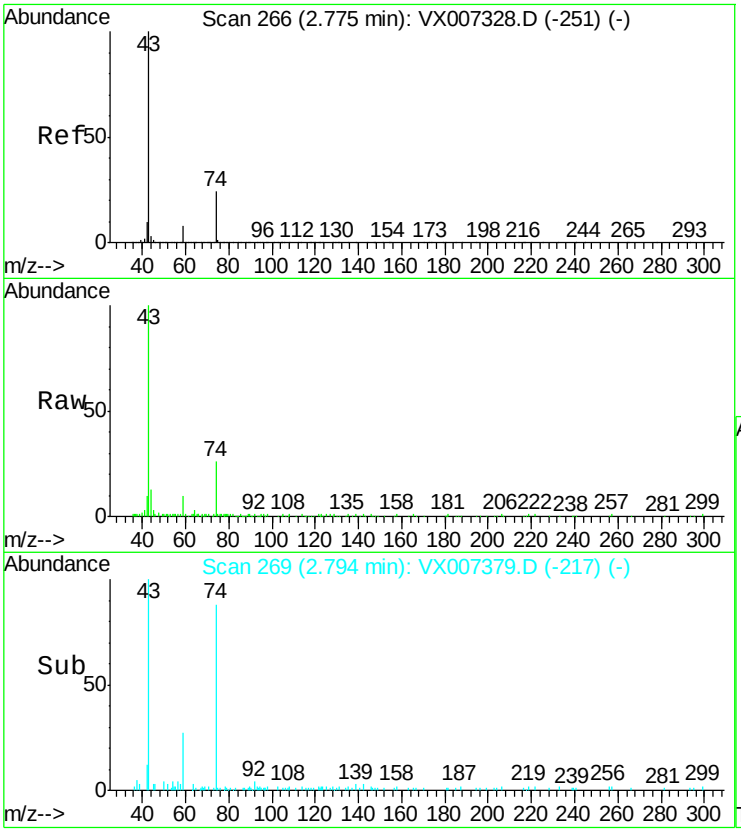




#17
Carbon Disulfide
Concen: 2.132 ug/l
RT: 2.60 min Scan# 237
Delta R.T. 0.02 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 76 Resp: 131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.1 | 10.7# |



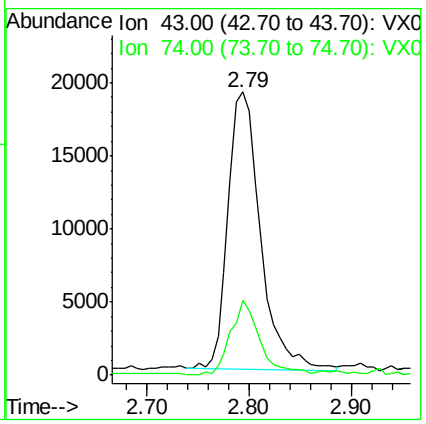


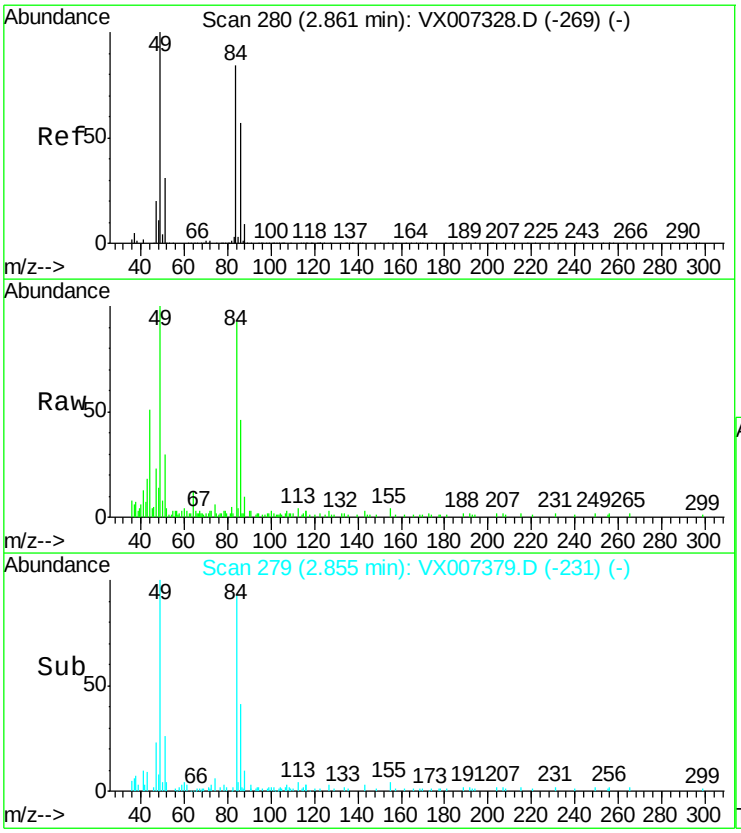

#18
Methyl Acetate
Concen: 7.951 ug/l
RT: 2.79 min Scan# 269
Delta R.T. 0.02 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :** MSVOA_X
**ClientSampleId :** PB116824ZHE#05

Tgt Ion: 43 Resp: 41811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.6 | 19.4 | 29.2 |

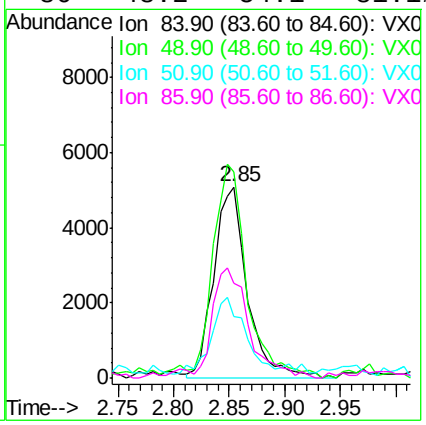


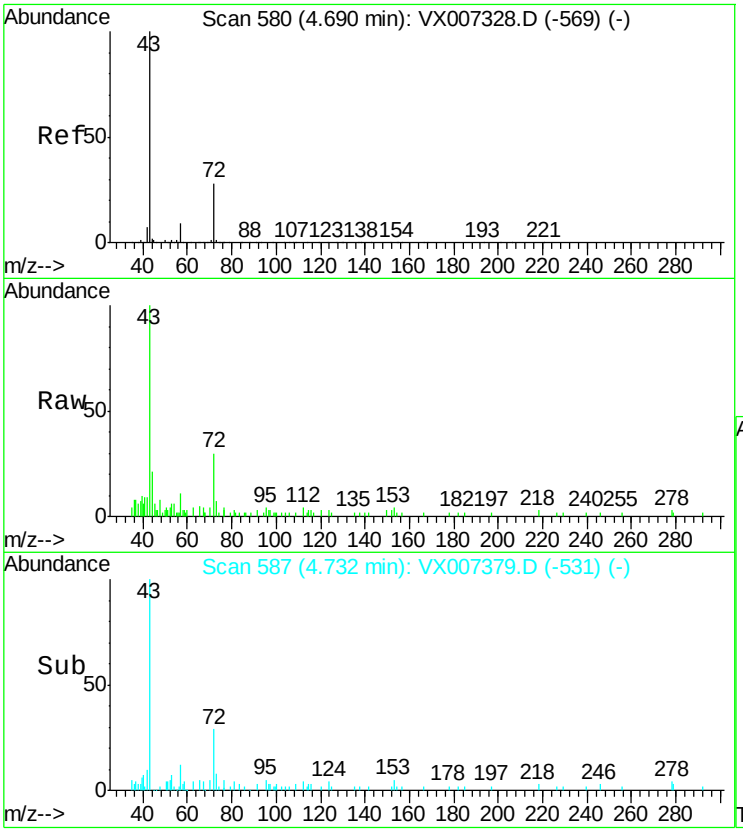




#20
Methylene Chloride
Concen: 2.029 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 84 Resp: 10592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 108.0 | 94.8 | 142.2 |
| 51 | 27.5 | 29.8 | 44.8# |
| 86 | 48.2 | 54.1 | 81.1# |



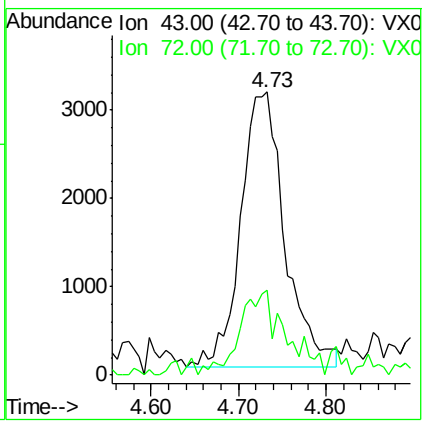


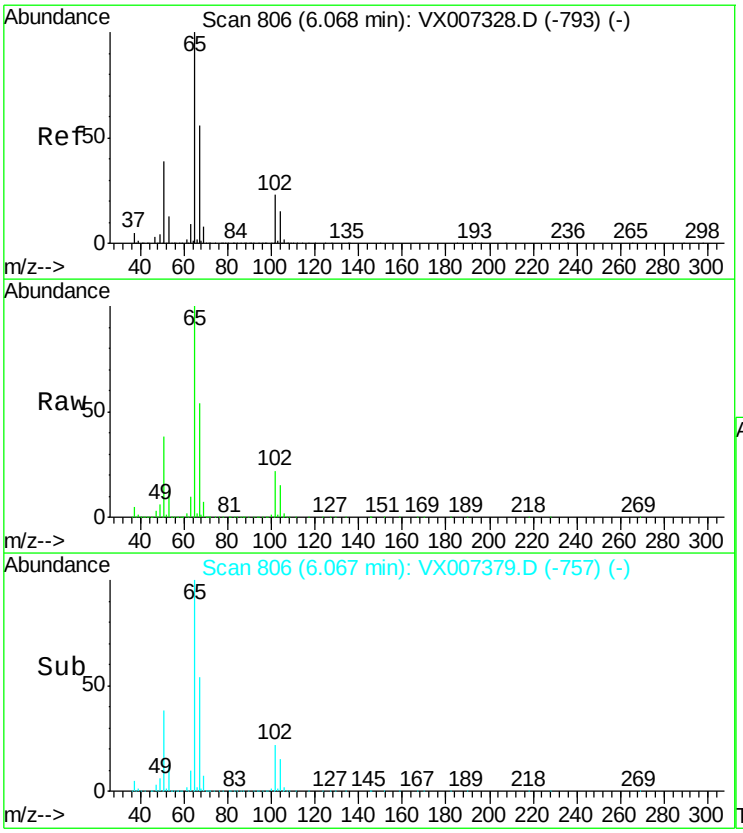

#25
2-Butanone
Concen: 3.562 ug/l
RT: 4.73 min Scan# 587
Delta R.T. 0.04 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 43 Resp: 10923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.8 | 22.2 | 33.2 |

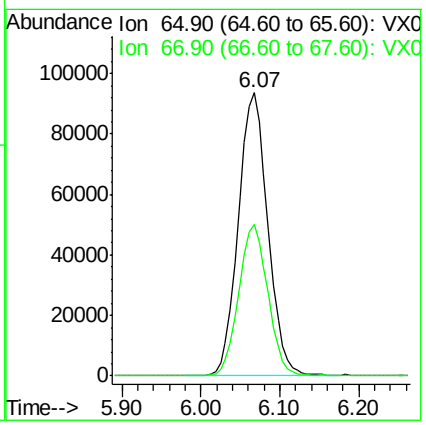


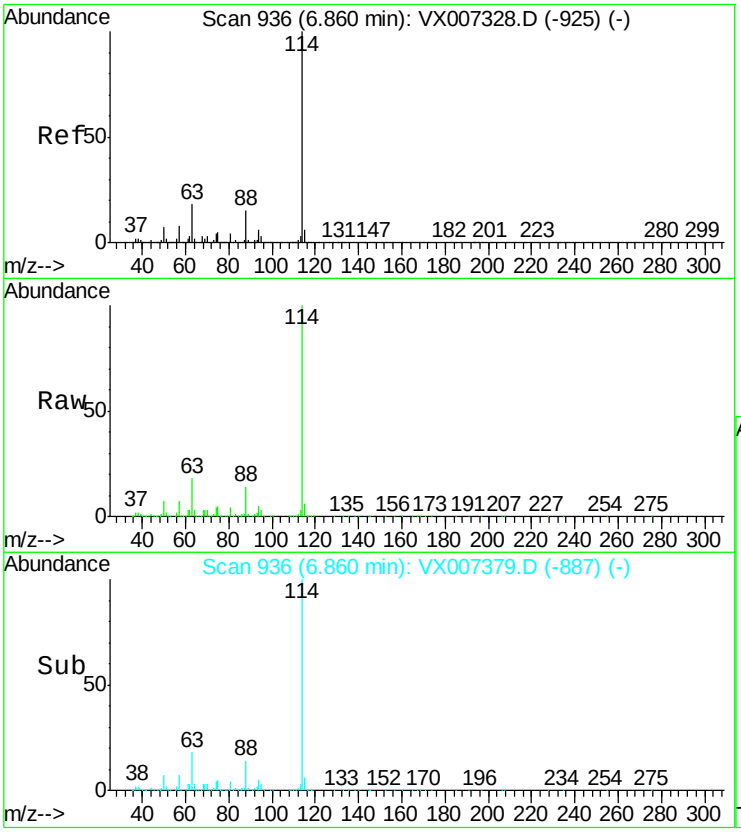




#33
1,2-Dichloroethane-d4
Concen: 51.947 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 65 Resp: 244391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 108.8 |



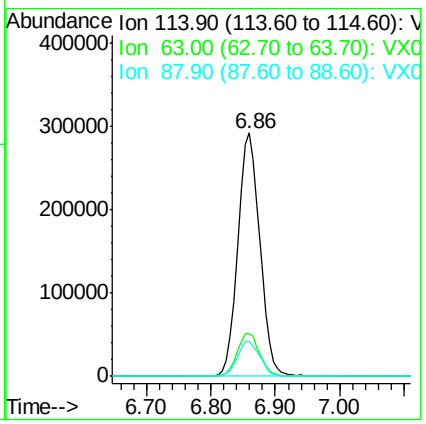


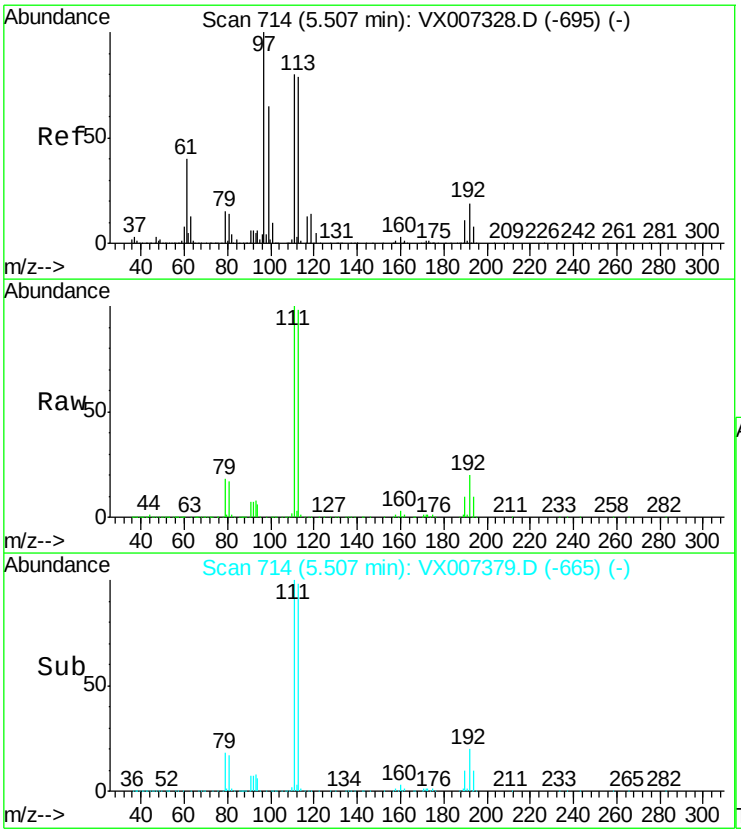

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion:114 Resp: 689902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 17.6 | 0.0 | 35.6 |
| 88 | 14.5 | 0.0 | 29.6 |

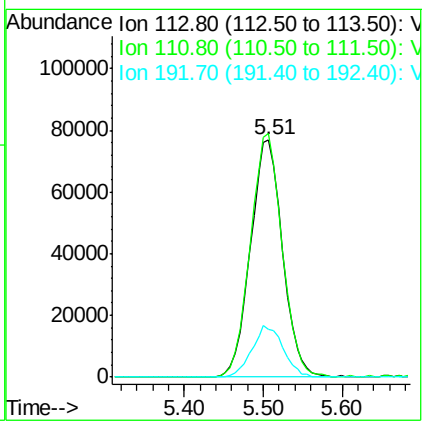


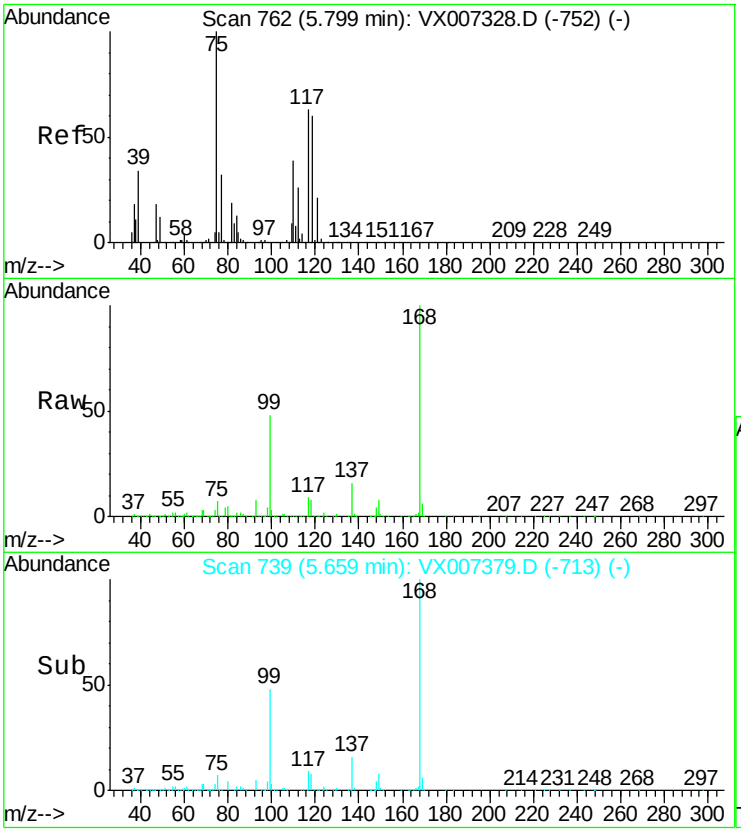




#35
Dibromofluoromethane
Concen: 48.284 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion:113 Resp: 216745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 81.8 | 122.8 |
| 192 | 21.5 | 18.5 | 27.7 |



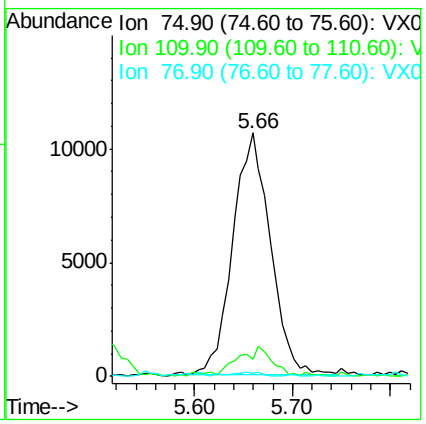


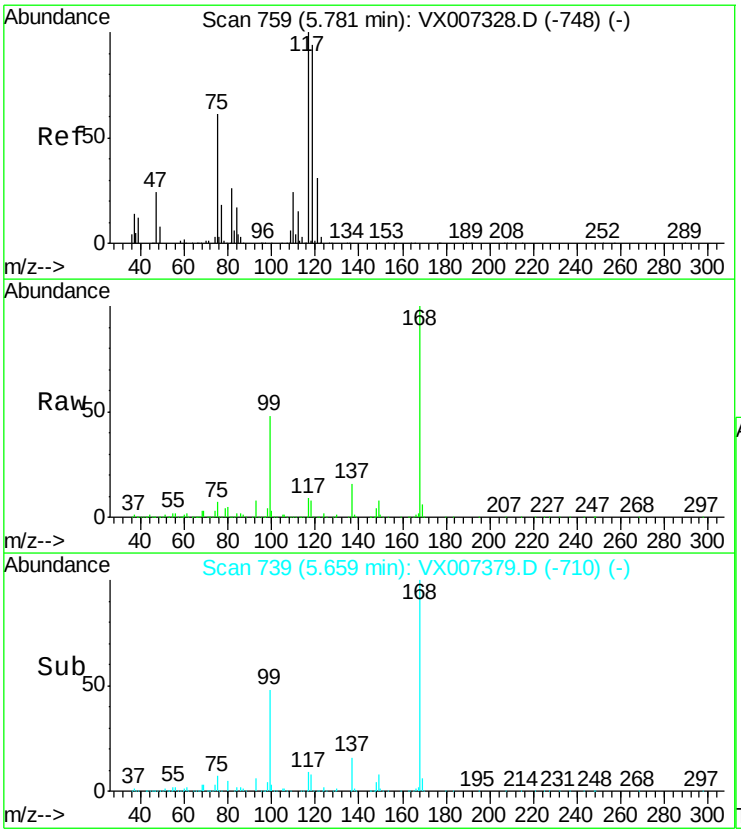

#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 75 Resp: 28183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 12.0 | 20.0 | 59.9# |
| 77 | 1.4 | 24.7 | 37.1# |

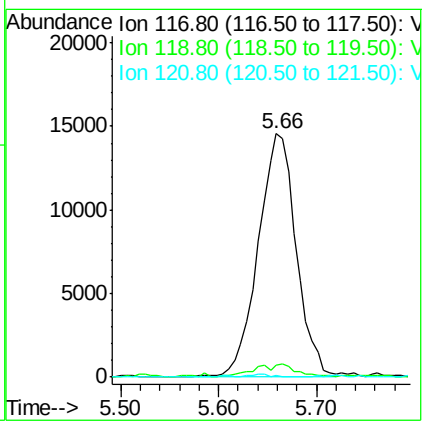


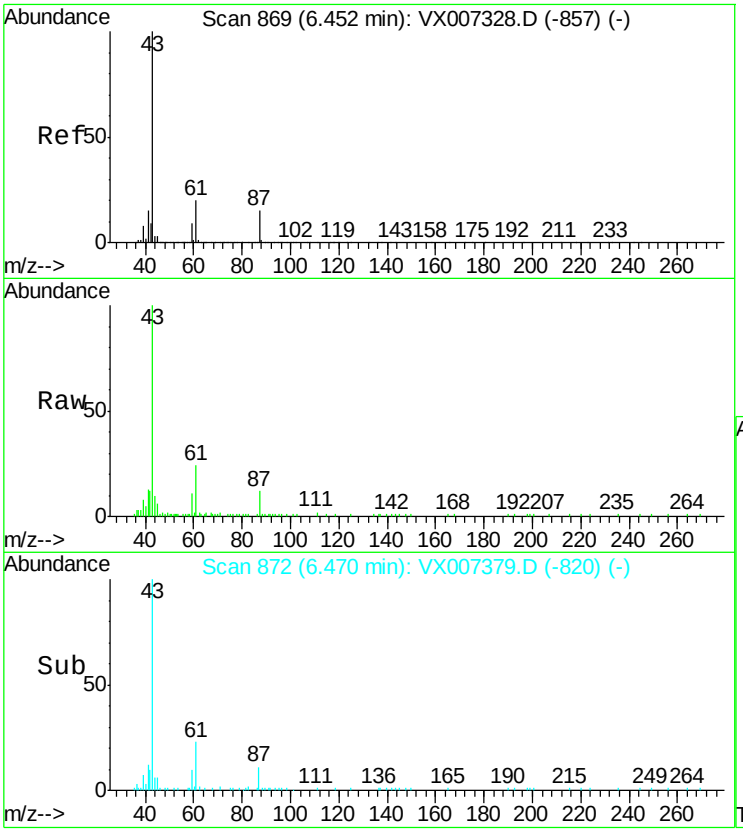




#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion:117 Resp: 39357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.0 | 75.3 | 112.9# |
| 121 | 1.1 | 25.0 | 37.4# |



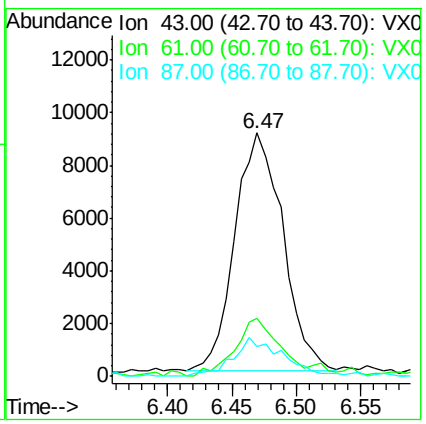


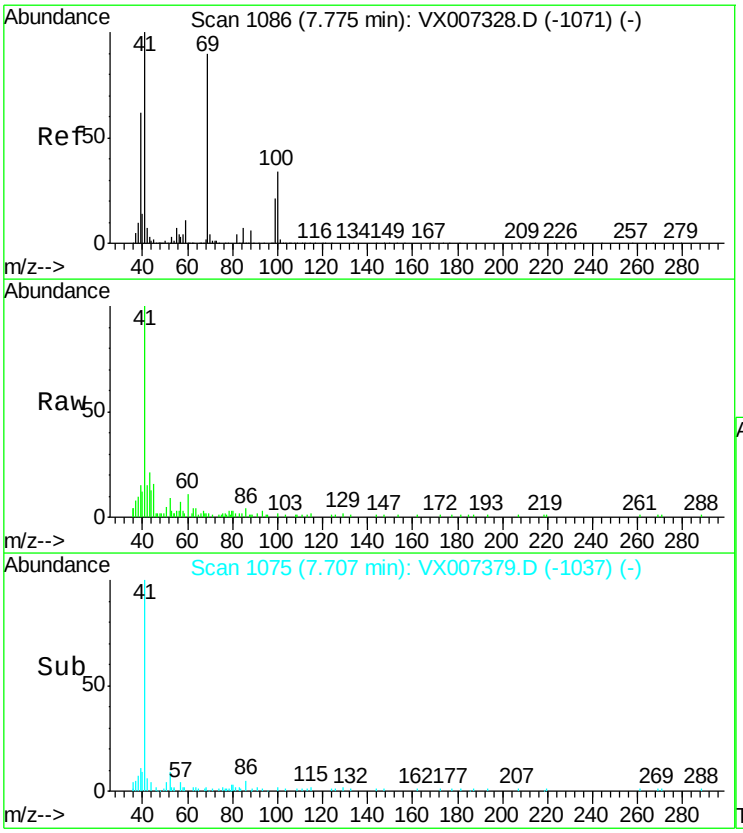

#43
Isopropyl Acetate
Concen: 2.414 ug/l
RT: 6.47 min Scan# 872
Delta R.T. 0.02 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :** MSVOA_X
**ClientSampleId :** PB116824ZHE#05

Tgt Ion: 43 Resp: 23317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 24.3 | 16.1 | 24.1# |
| 87 | 16.8 | 11.5 | 17.3 |

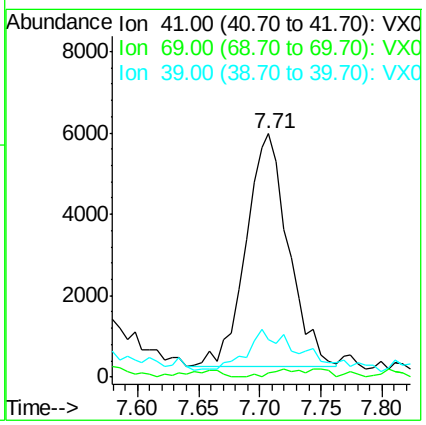


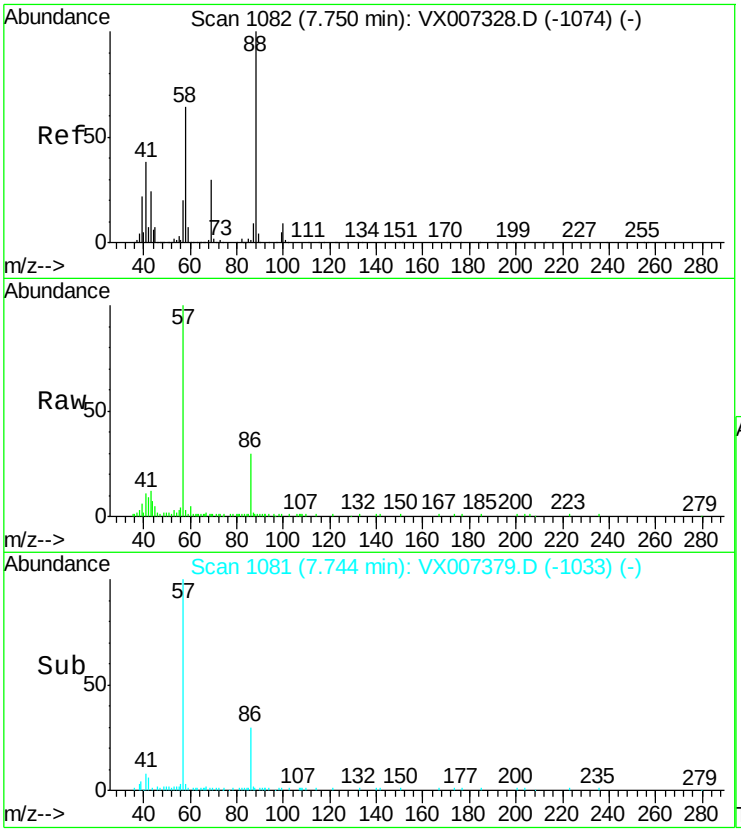




#48
Methyl methacrylate
Concen: 2.858 ug/l
RT: 7.71 min Scan# 1075
Delta R.T. -0.07 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 41 Resp: 13809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 2.5 | 70.2 | 105.4# |
| 39 | 24.5 | 47.4 | 71.0# |



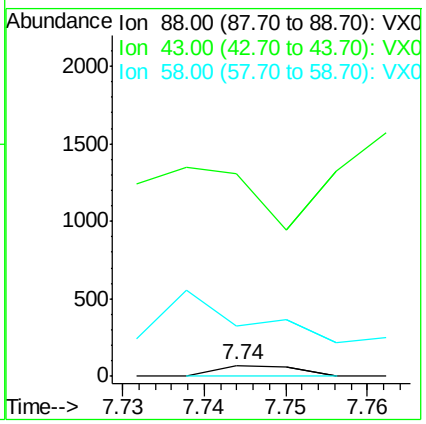


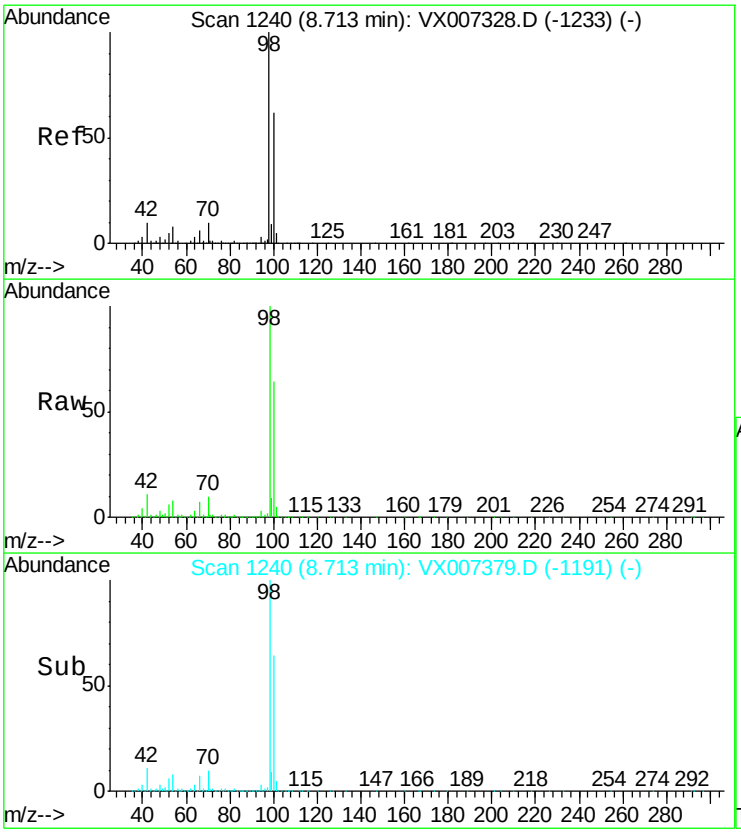

#49
1,4-Dioxane
Concen: 7.313 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 88 Resp: 48

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 24.2 | 36.4# |
| 58 | 1072.9 | 53.0 | 79.4# |

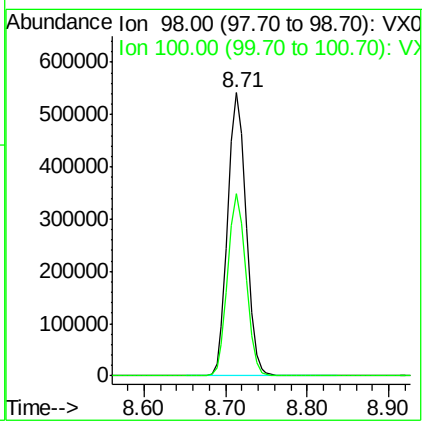


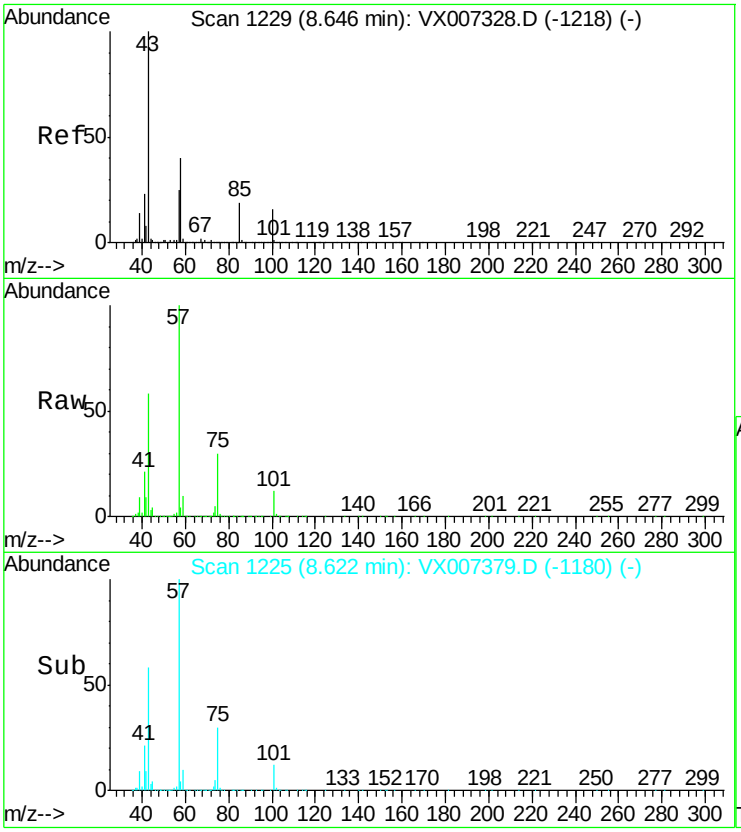




#50
Toluene-d8
Concen: 50.430 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 98 Resp: 839907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 51.6 | 77.4 |



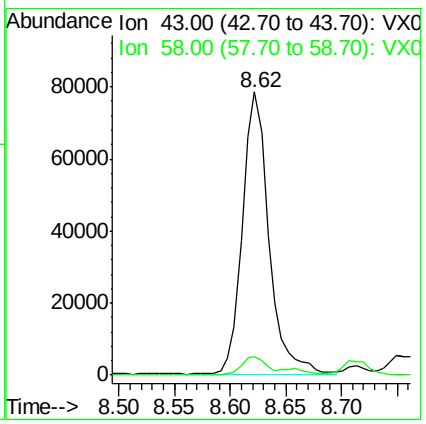


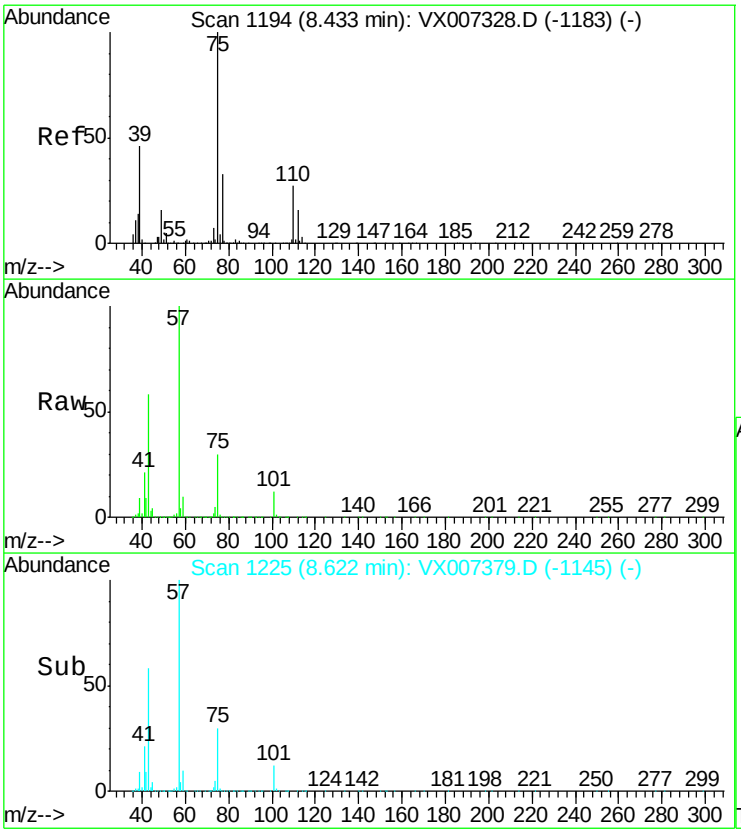

#51
4-Methyl-2-Pentanone
Concen: 20.454 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 43 Resp: 130052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 6.4 | 31.2 | 46.8# |

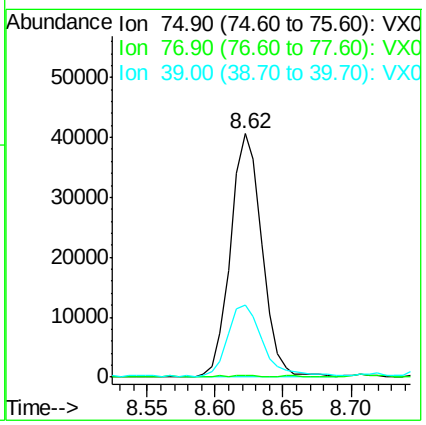


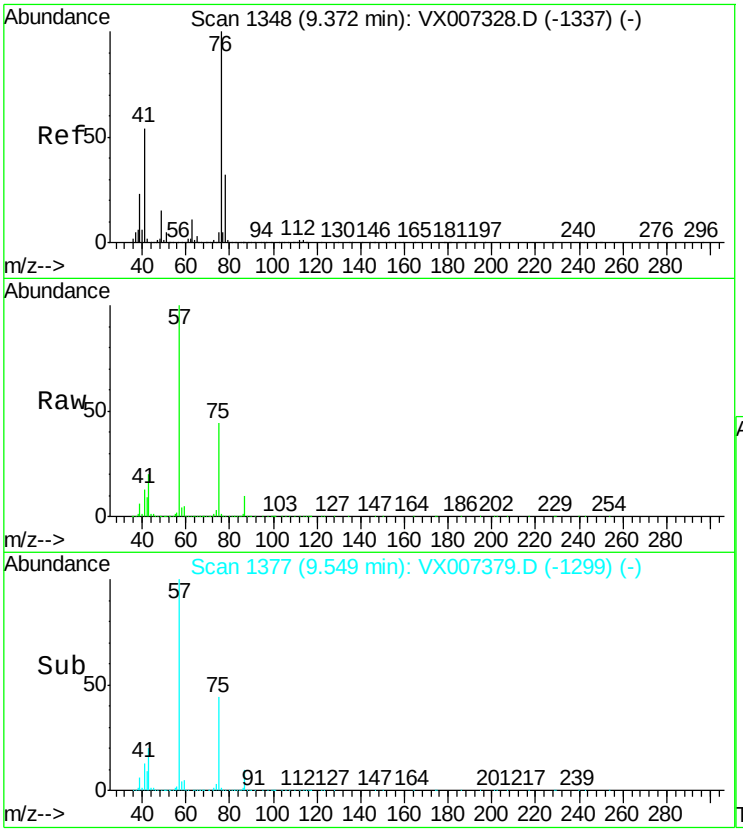




#54
cis-1,3-Dichloropropene
Concen: 9.839 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. 0.19 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 75 Resp: 65401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.6 | 26.2 | 39.4# |
| 39 | 28.7 | 37.1 | 55.7# |



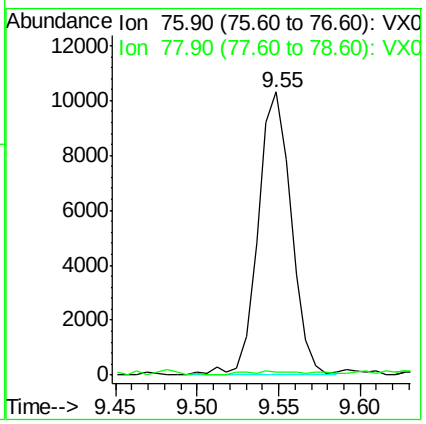


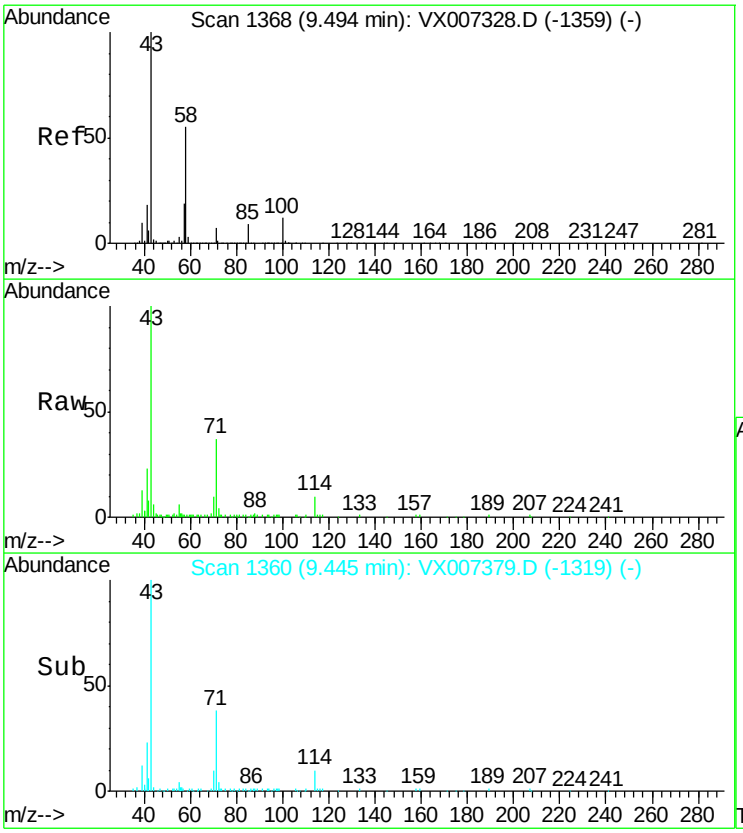

#57
1,3-Dichloropropane
Concen: 1.871 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.18 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 76 Resp: 14592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.6 | 25.8 | 38.8# |

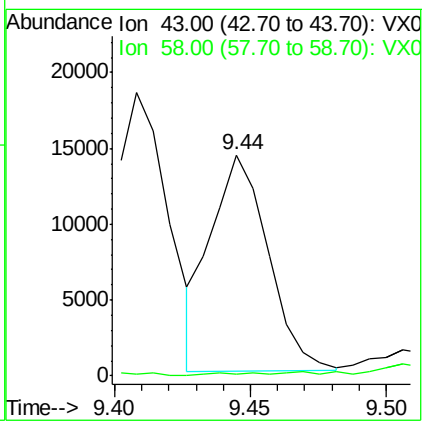


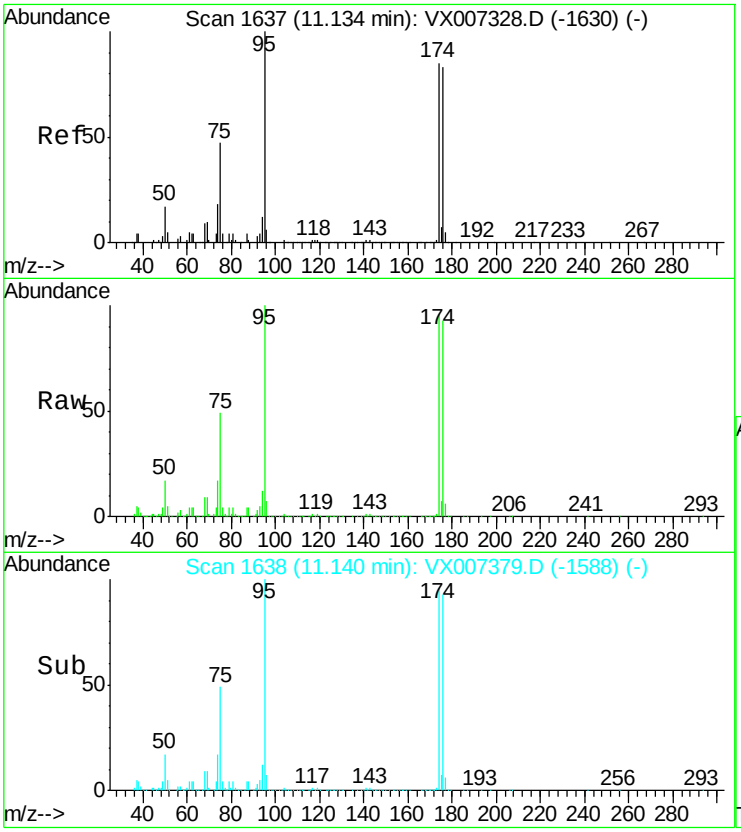




#59
2-Hexanone
Concen: 4.233 ug/l
RT: 9.44 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 43 Resp: 20944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 27.1 | 81.3# |



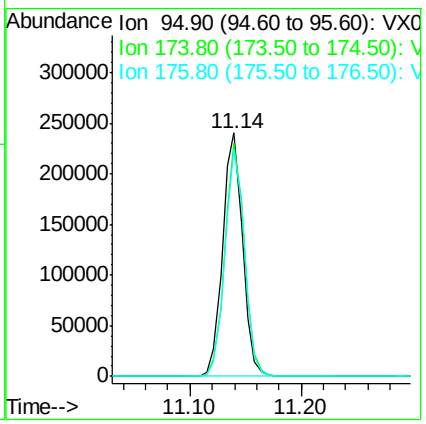


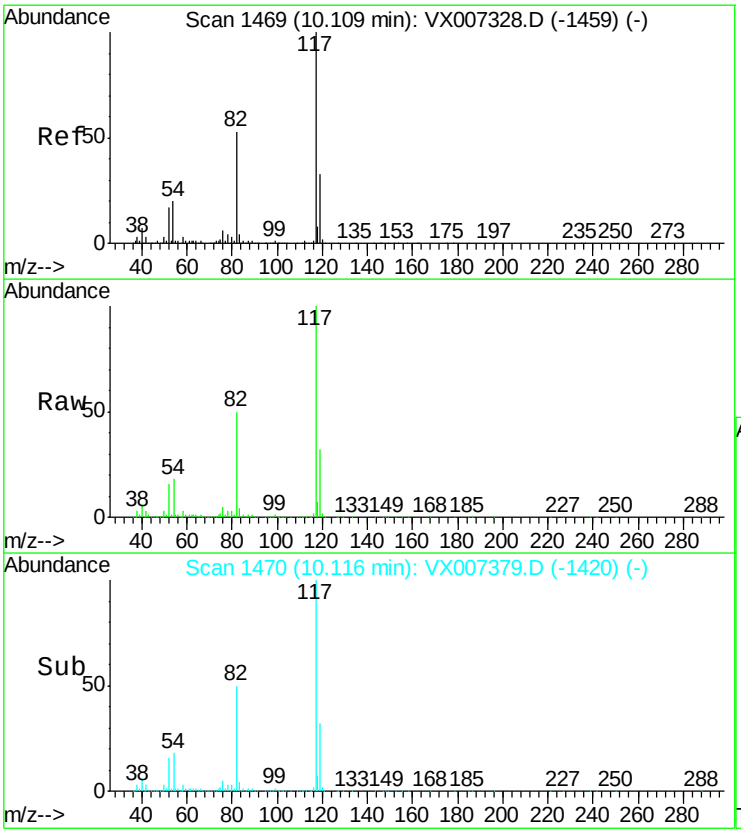

#62
4-Bromofluorobenzene
Concen: 48.851 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion: 95 Resp: 297045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 93.7 | 0.0 | 189.2 |
| 176 | 91.6 | 0.0 | 186.2 |

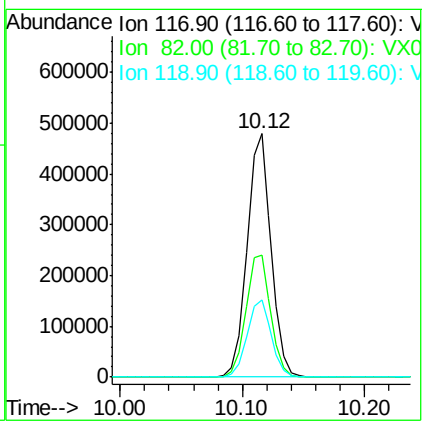


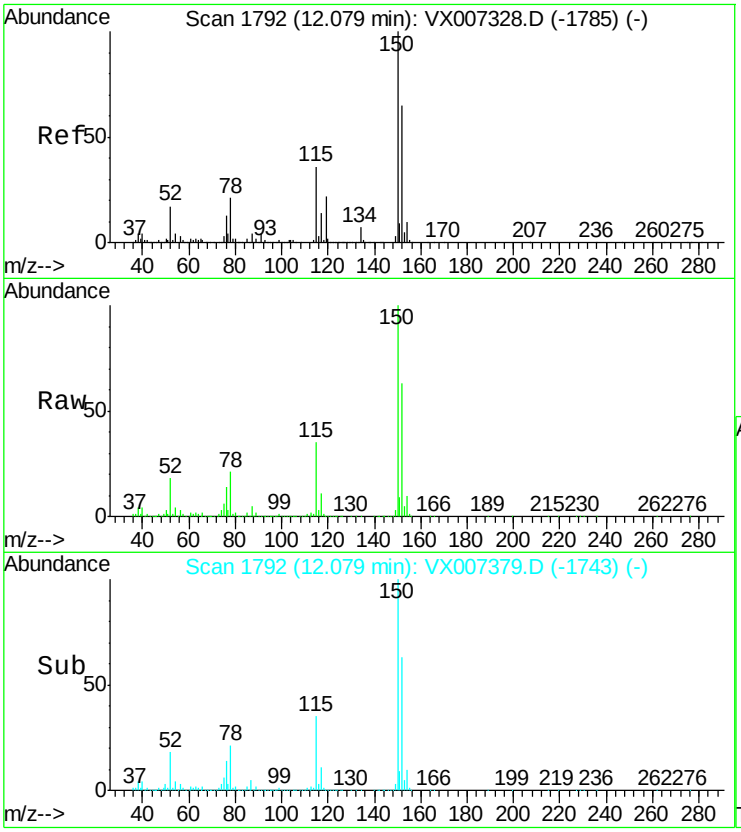




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion:117 Resp: 649765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.0 | 42.1 | 63.1 |
| 119 | 31.9 | 26.5 | 39.7 |



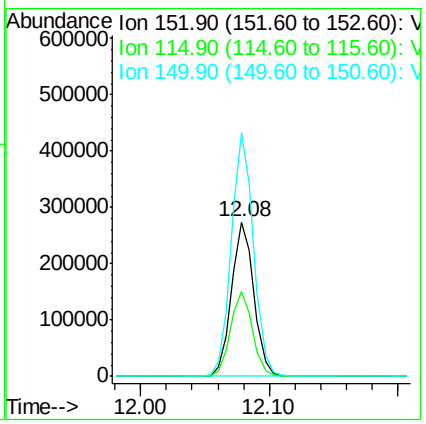


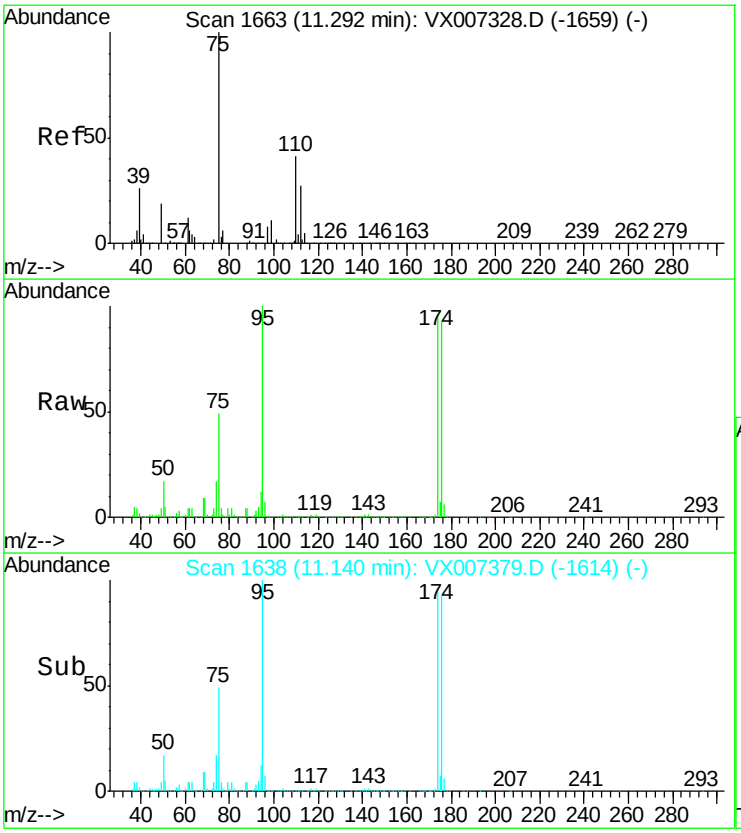

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion:152 Resp: 333760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 54.4 | 38.0 | 114.0 |
| 150 | 155.7 | 0.0 | 346.4 |

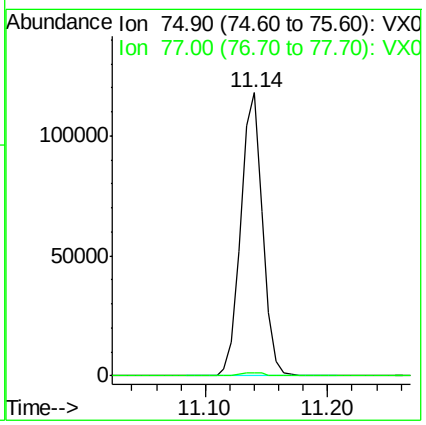


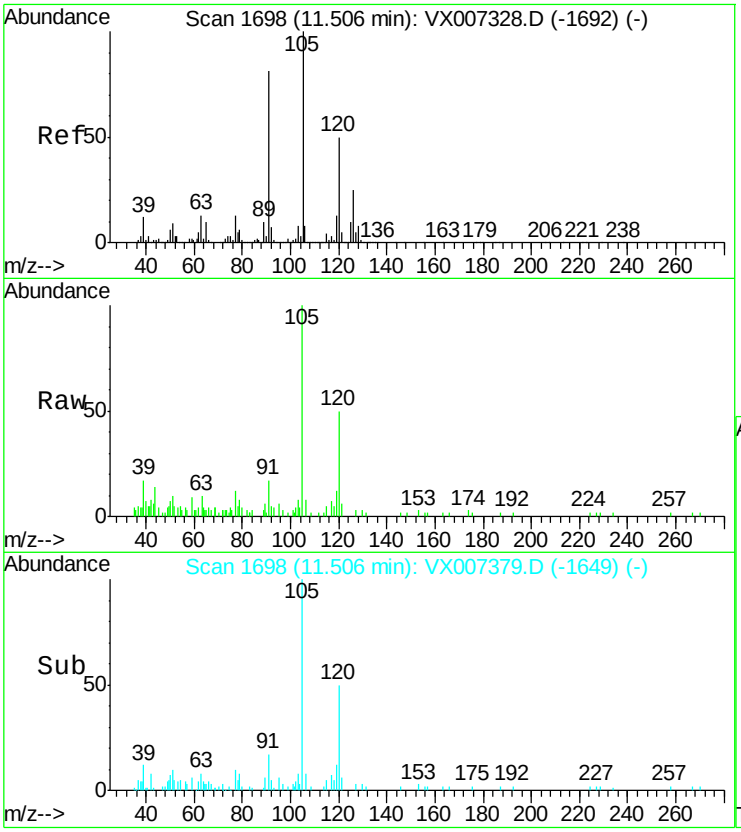




#76
1,2,3-Trichloropropane
Concen: 22.308 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.15 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 75 Resp: 144823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.7 | 23.0 | 69.0# |



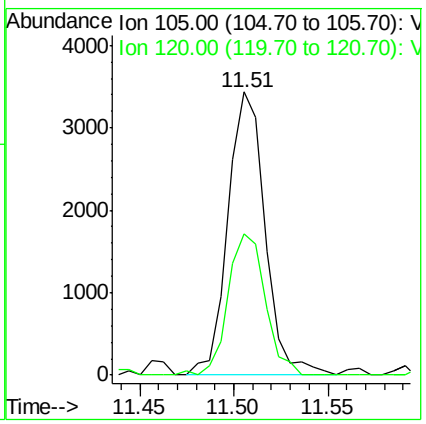


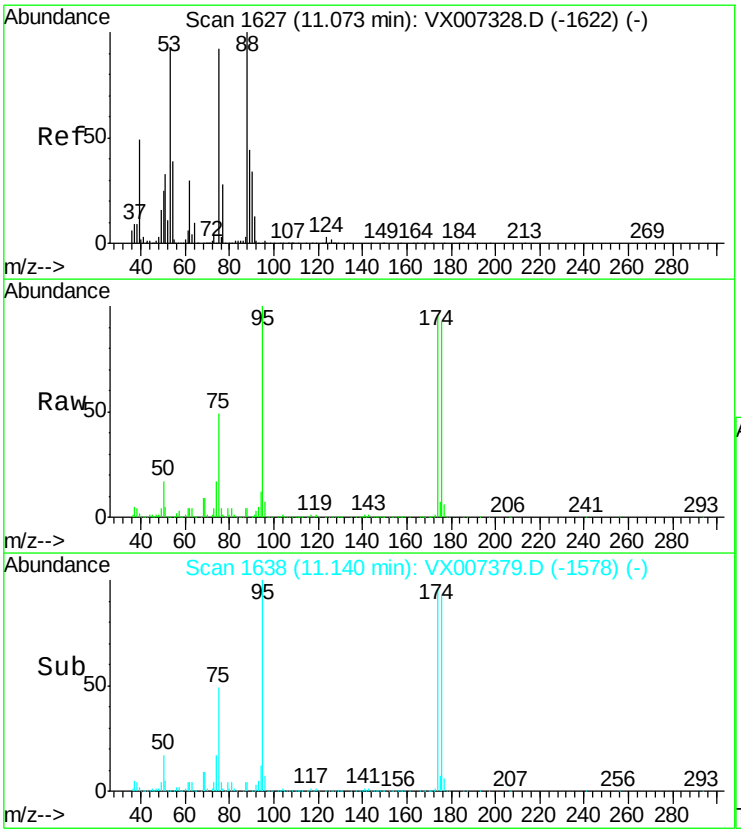

#80
1,3,5-Trimethylbenzene
Concen: 0.253 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB116824ZHE#05

Tgt Ion:105 Resp: 4692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.1 | 25.3 | 75.8 |




#81
trans-1,4-Dichloro-2-butene
Concen: 67.349 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX007379.D
Acq: 05 Feb 2019 16:18

Tgt Ion: 75 Resp: 144823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 81.0 | 121.6# |
| 89 | 0.0 | 41.4 | 62.0# |