Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110918\
Data File : VX005864.D
Acq On : 09 Nov 2018 16:25
Operator : JC/MD
Sample : PB114659ZHE#07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** PB114659ZHE#07

Quant Time: Nov 11 23:51:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.67 | 168 | 110798 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.86 | 114 | 146967 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.12 | 117 | 137793 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 64528 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.07 | 65 | 69292 | 54.40 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 108.80% | | | | |
| 35) Dibromofluoromethane | 5.50 | 113 | 55099 | 55.12 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 110.24% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 184220 | 55.43 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 110.86% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 62169 | 52.03 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 104.06% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Chloromethane | 1.33 | 50 | 315 | 0.240 | ug/l | | 97 |
| 16) Acetone | 2.45 | 43 | 6412 | 9.349 | ug/l | | 100 |
| 18) Methyl Acetate | 2.78 | 43 | 10735 | 4.491 | ug/l | | 99 |
| 20) Methylene Chloride | 2.86 | 84 | 1383 | 1.228 | ug/l | | 96 |
| 25) 2-Butanone | 4.70 | 43 | 913 | 0.847 | ug/l | # | 89 |
| 29) Tetrahydrofuran | 5.17 | 42 | 414 | 0.598 | ug/l | # | 45 |
| 31) Cyclohexane | 5.65 | 56 | 2004 | 1.129 | ug/l | # | 29 |
| 36) 1,1-Dichloropropene | 5.67 | 75 | 7533 | 5.317 | ug/l | # | 49 |
| 38) Carbon Tetrachloride | 5.67 | 117 | 9483 | 6.686 | ug/l | # | 15 |
| 43) Isopropyl Acetate | 6.46 | 43 | 25927 | 9.604 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.68 | 41 | 10157 | 8.379 | ug/l | # | 16 |
| 49) 1,4-Dioxane | 7.89 | 88 | 82 | 3.139 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 8.62 | 43 | 60742 | 35.700 | ug/l | # | 51 |
| 54) cis-1,3-Dichloropropene | 8.62 | 75 | 27365 | 19.137 | ug/l | # | 63 |
| 56) Ethyl methacrylate | 9.30 | 69 | 674 | 0.438 | ug/l | # | 1 |
| 57) 1,3-Dichloropropane | 9.55 | 76 | 6901 | 3.992 | ug/l | # | 43 |
| 59) 2-Hexanone | 9.54 | 43 | 102372 | 68.259 | ug/l | # | 53 |
| 74) N-amyl acetate | 10.69 | 43 | 9120 | 5.498 | ug/l | # | 55 |
| 76) 1,2,3-Trichloropropane | 11.14 | 75 | 31388 | 23.889 | ug/l | # | 36 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 5545 | 1.749 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75 | 31388 | 76.137 | ug/l | # | 9 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 646 | 0.206 | ug/l | # | 44 |
| 83) tert-Butylbenzene | 11.51 | 119 | 792 | 0.247 | ug/l | # | 63 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 171 | Below Cal | | # | 31 |
| 95) Naphthalene | 13.83 | 128 | 168 | 1.213 | ug/l | # | 69 |

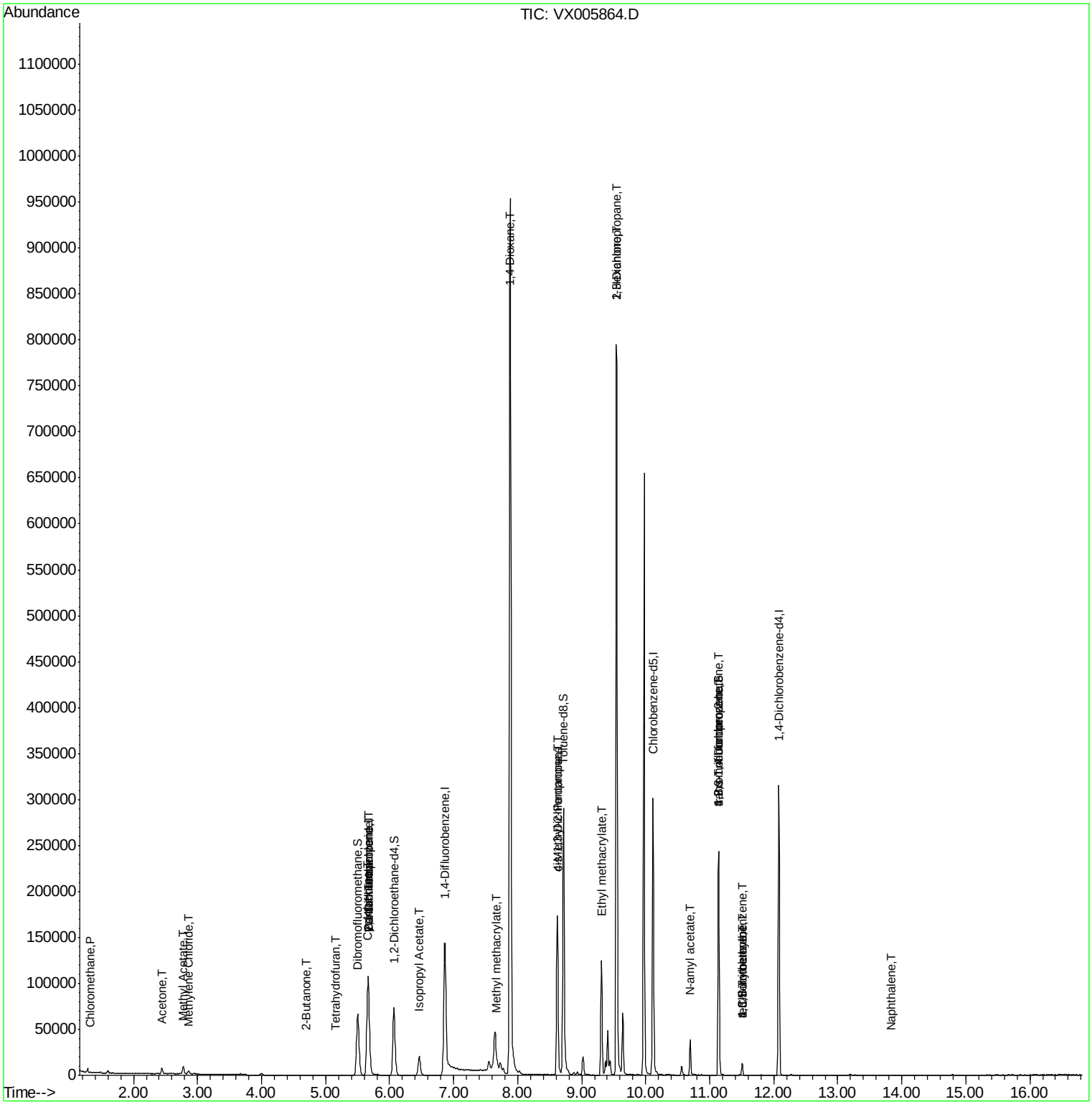
(#) = qualifier out of range (m) = manual integration (+) = signals summed

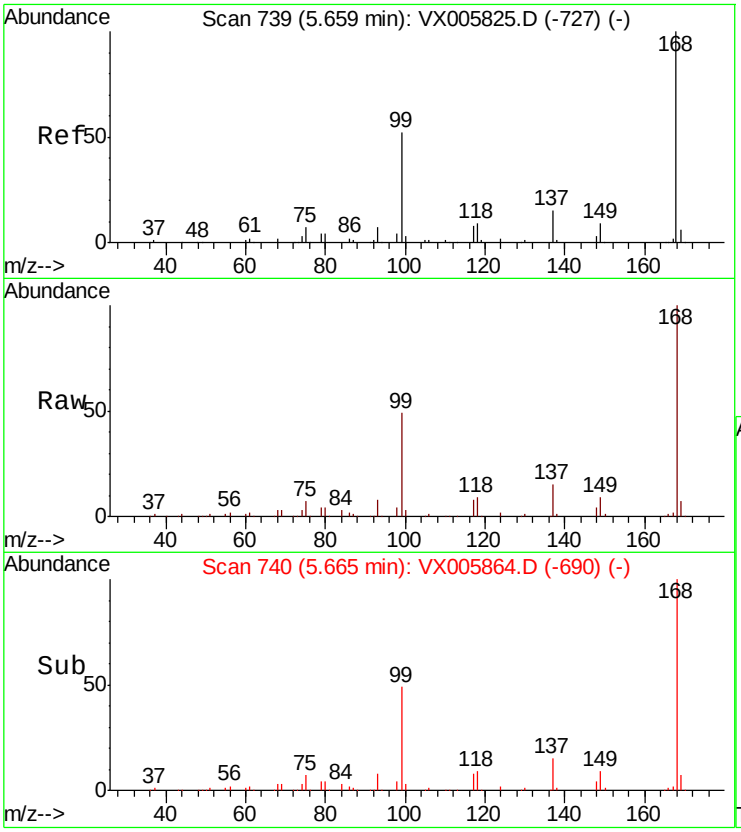
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
Data File : VX005864.D
Acq On : 09 Nov 2018 16:25
Operator : JC/MD
Sample : PB114659ZHE#07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Quant Time: Nov 11 23:51:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration



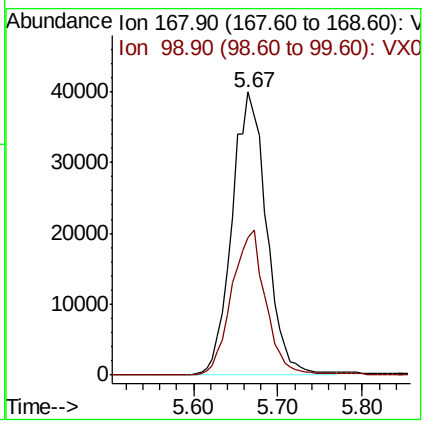


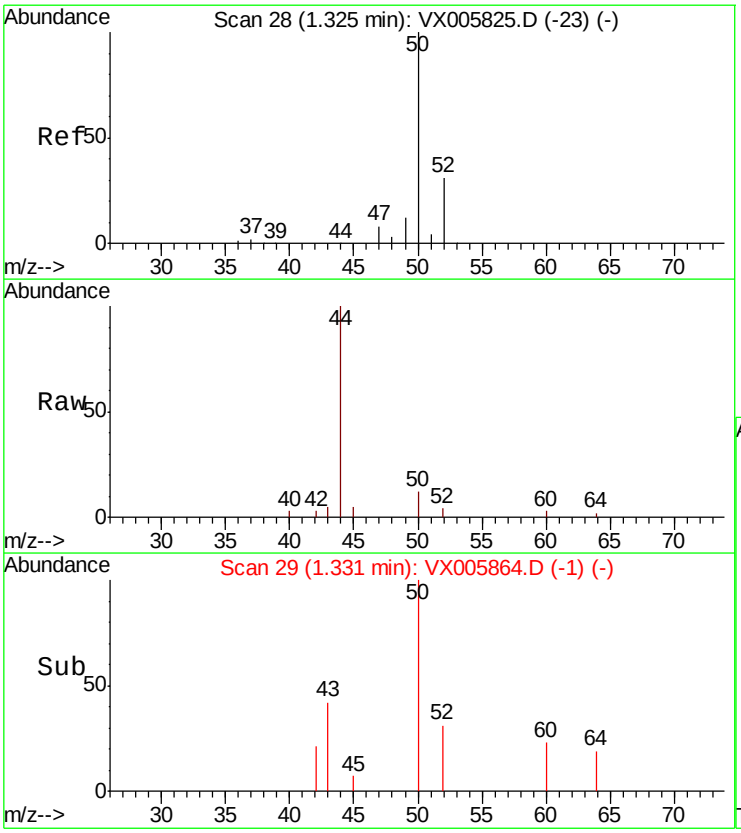

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion:168 Resp: 110798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 48.7 | 40.7 | 61.1 |

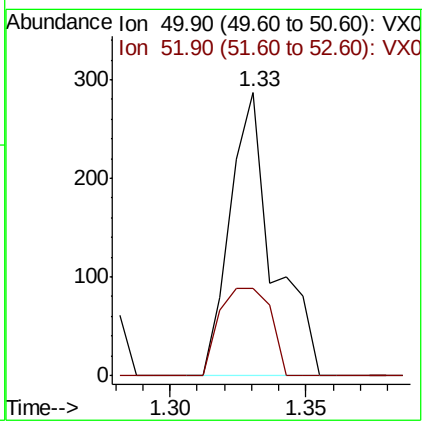


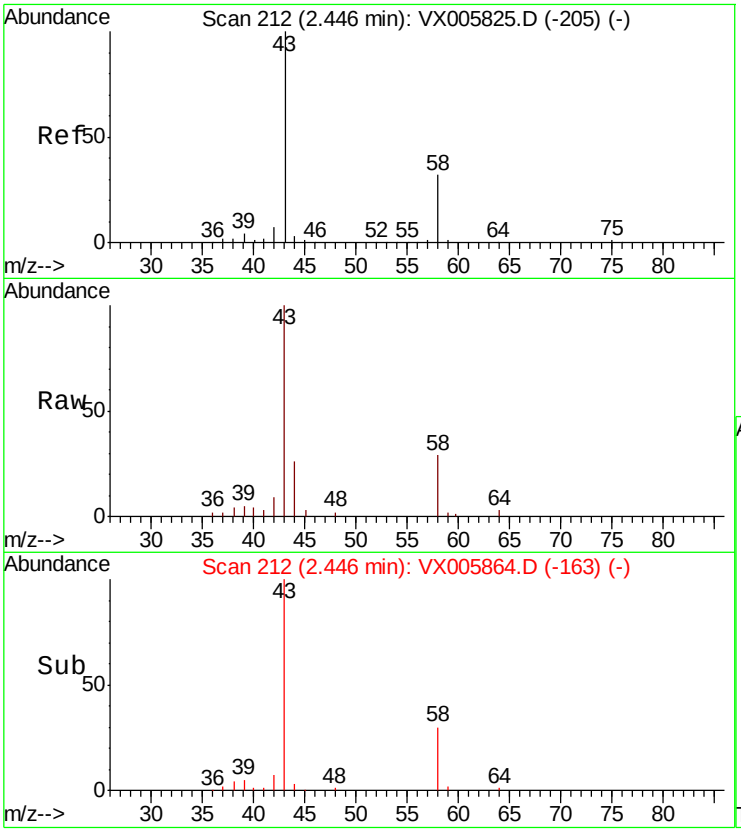




#3
Chloromethane
Concen: 0.240 ug/l
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 50 Resp: 315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 26.2 | 39.2 |



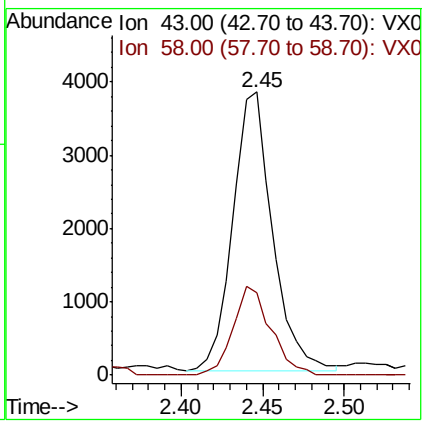


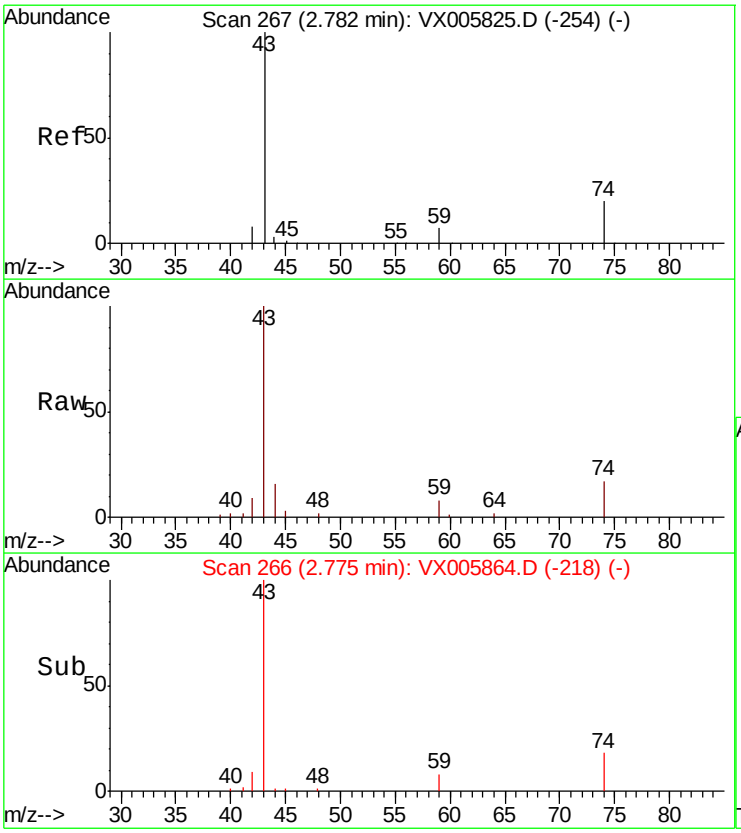

#16
Acetone
Concen: 9.349 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 43 Resp: 6412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 23.8 | 35.6 |

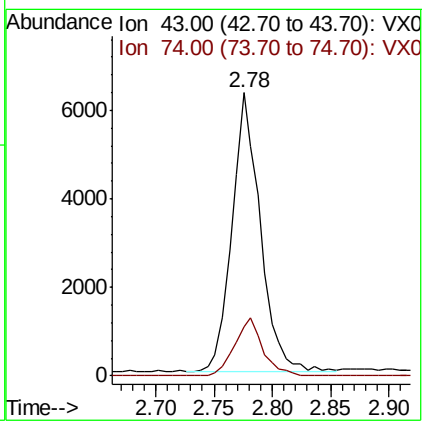


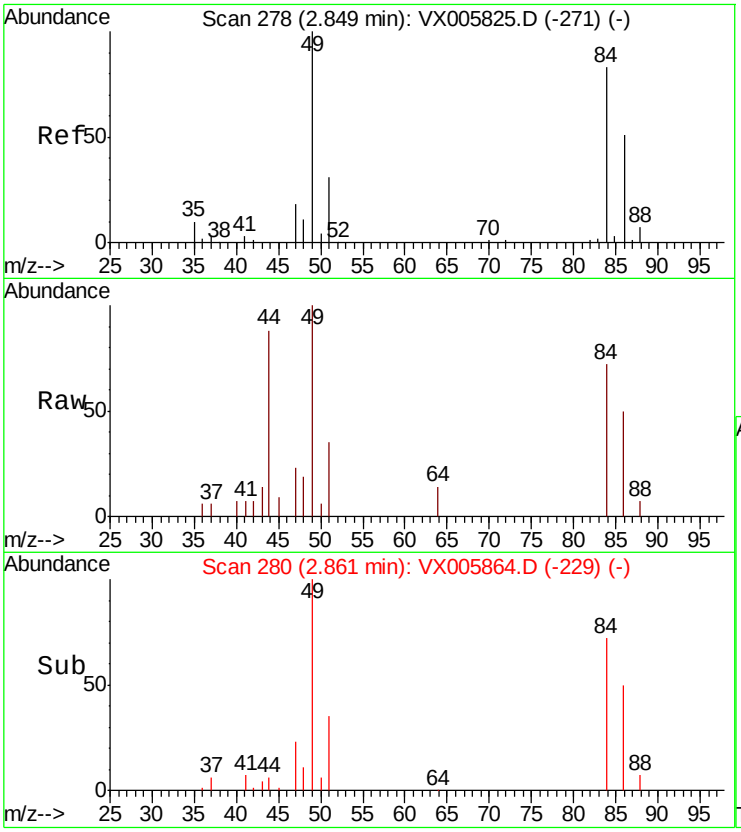




#18
Methyl Acetate
Concen: 4.491 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 43 Resp: 10735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.5 | 16.8 | 25.2 |



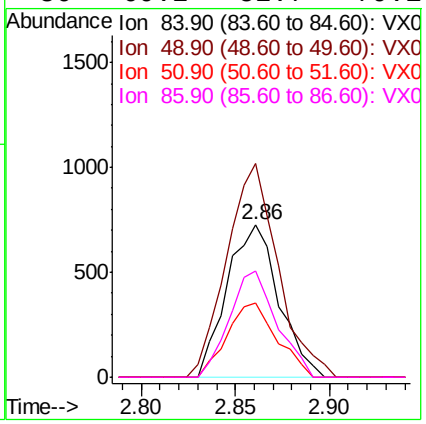


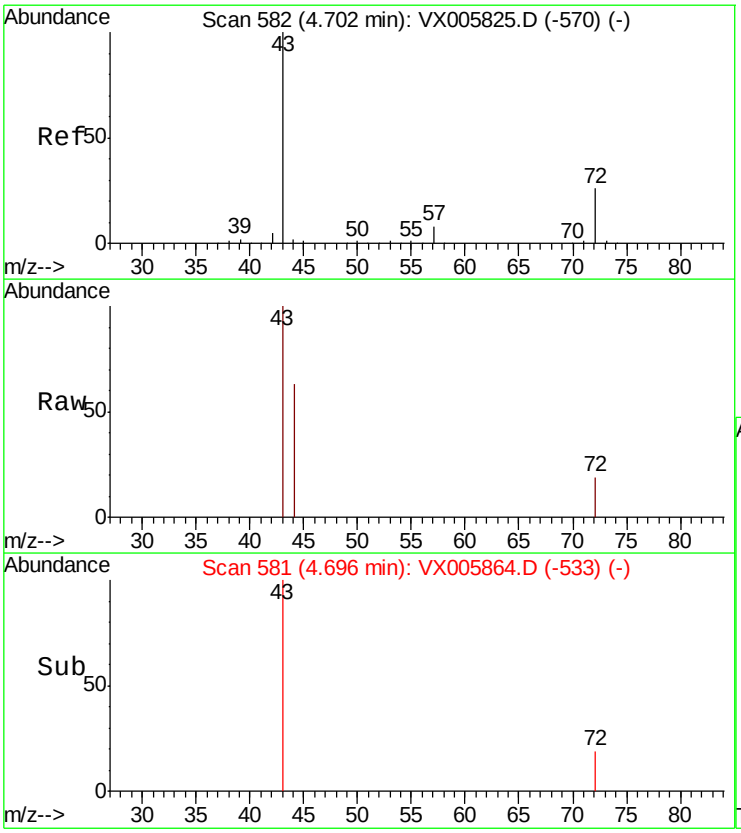

#20
Methylene Chloride
Concen: 1.228 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :** MSVOA_X
**ClientSampleId :** PB114659ZHE#07

Tgt Ion: 84 Resp: 1383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.8 | 109.5 | 164.3 |
| 51 | 48.5 | 33.3 | 49.9 |
| 86 | 69.2 | 52.7 | 79.1 |

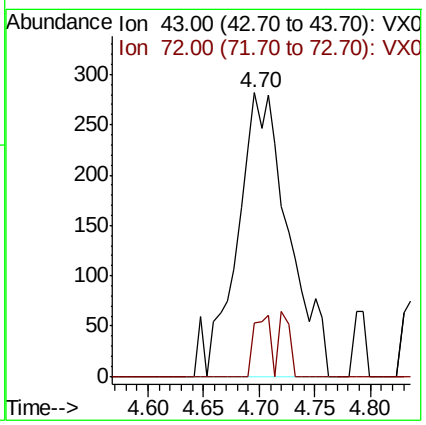


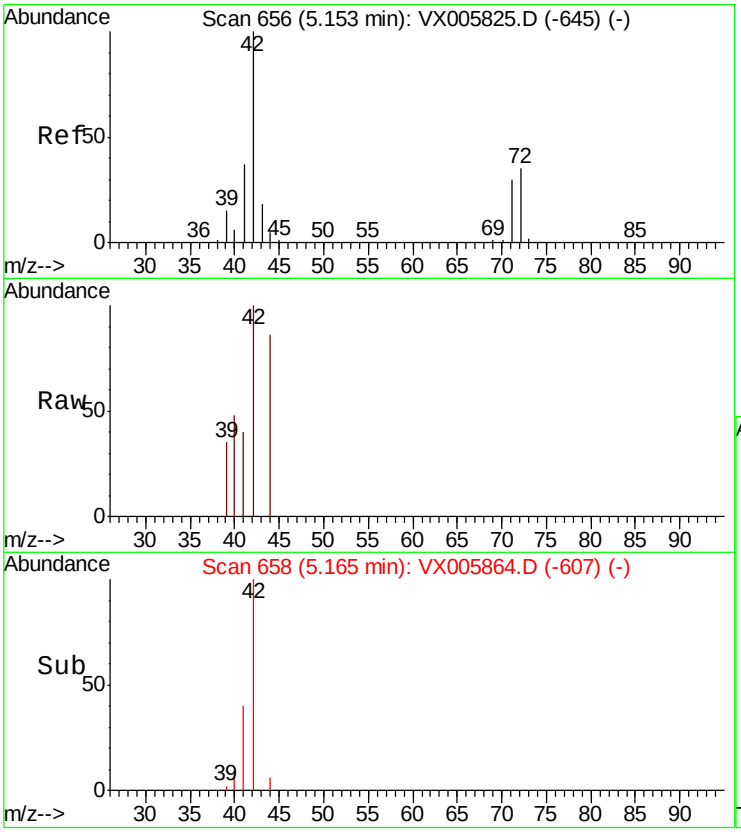




#25
2-Butanone
Concen: 0.847 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 43 Resp: 913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 18.8 | 19.2 | 28.8# |



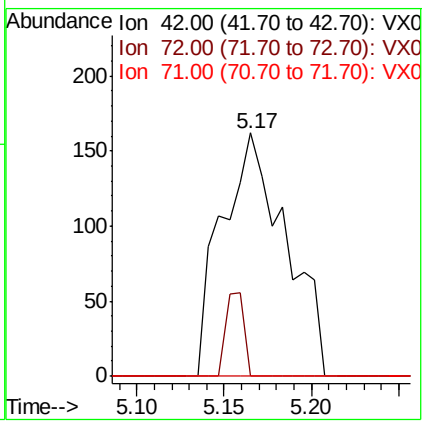


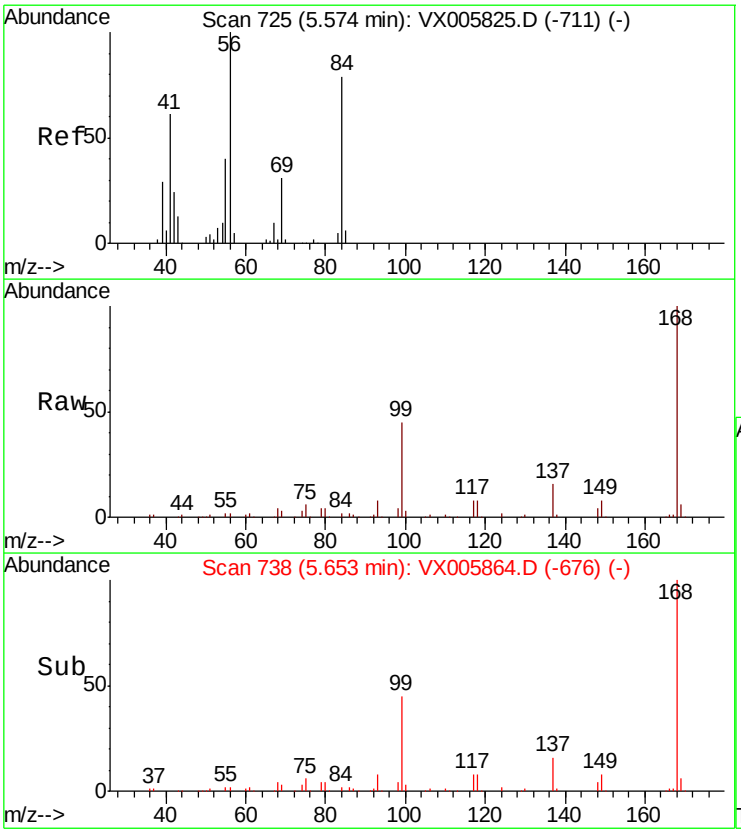

#29
Tetrahydrofuran
Concen: 0.598 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 42 Resp: 414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 9.9 | 32.0 | 48.0# |
| 71 | 0.0 | 29.8 | 44.8# |

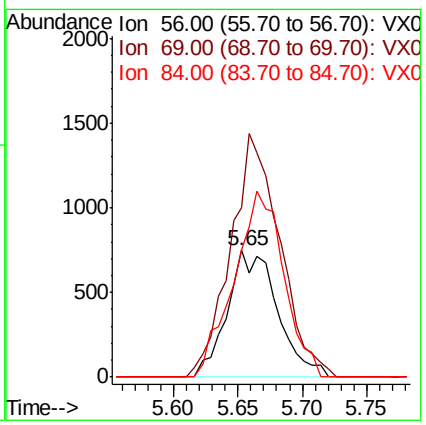


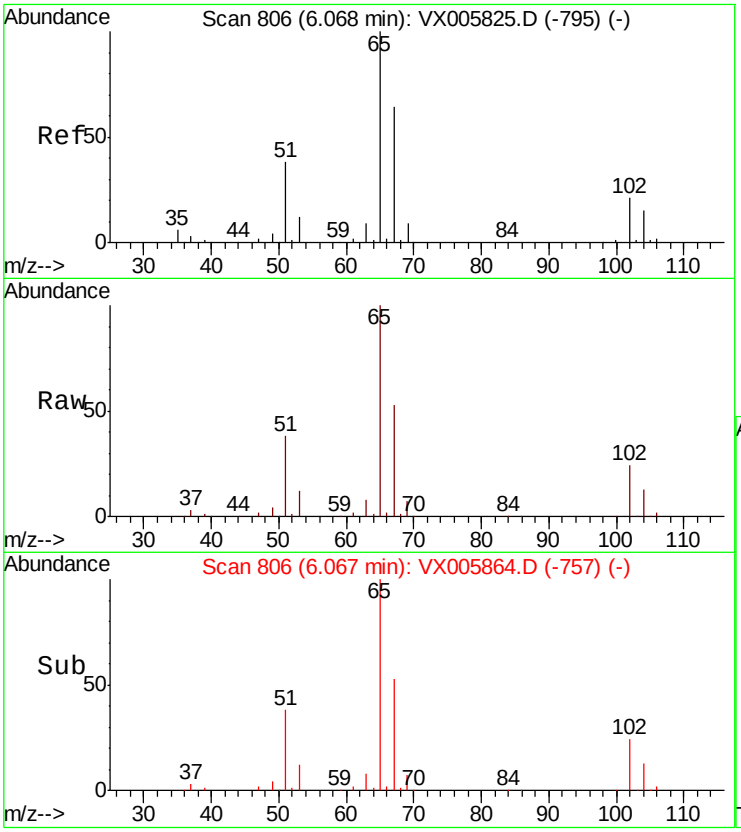




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 56 Resp: 2004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 133.6 | 22.6 | 34.0# |
| 84 | 100.1 | 62.7 | 94.1# |



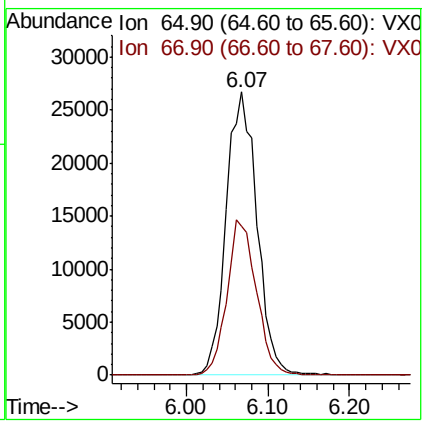


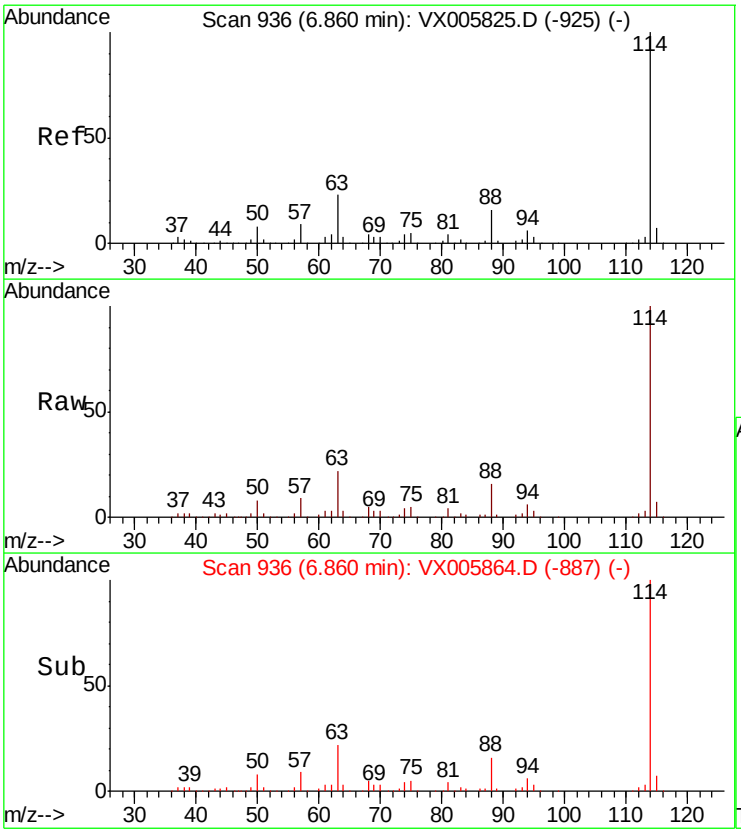

#33
1,2-Dichloroethane-d4
Concen: 54.399 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 65 Resp: 69292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 105.0 |

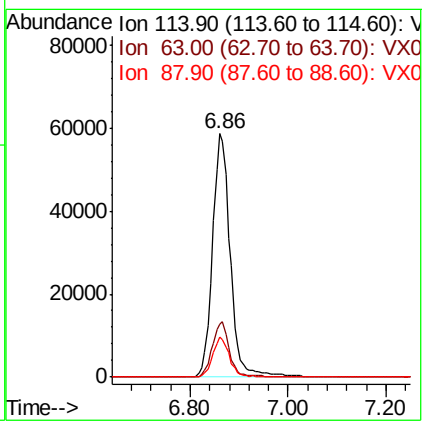


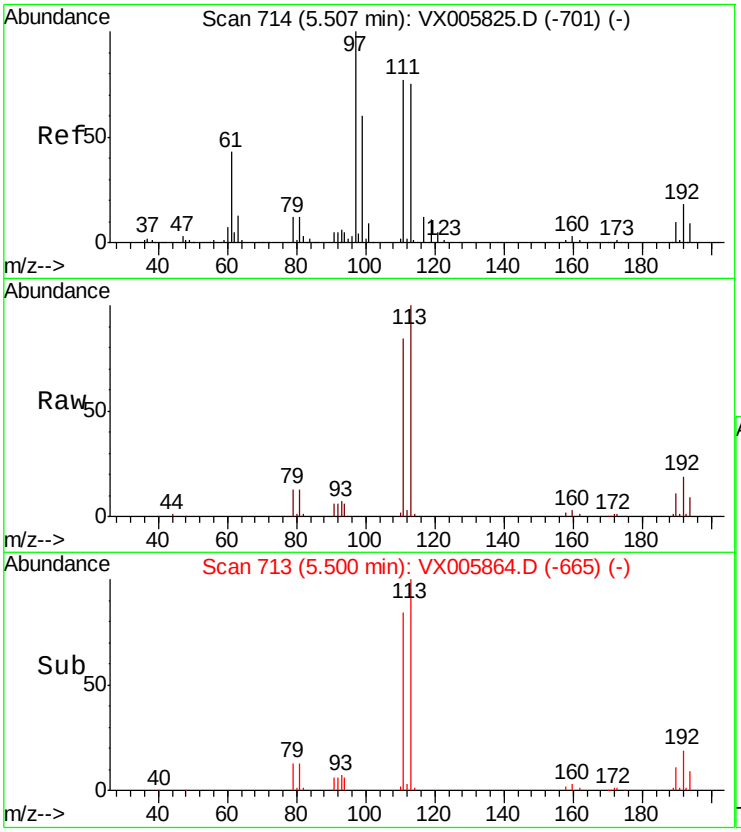




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion:114 Resp: 146967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 42.8 |
| 88 | 16.2 | 0.0 | 31.2 |



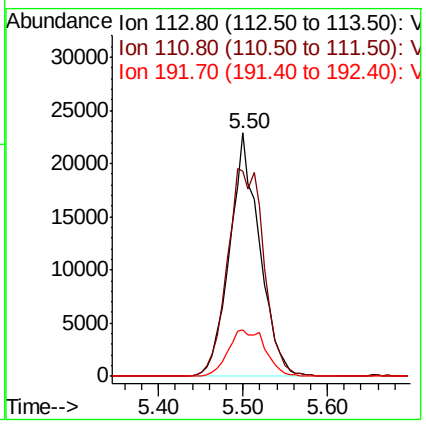


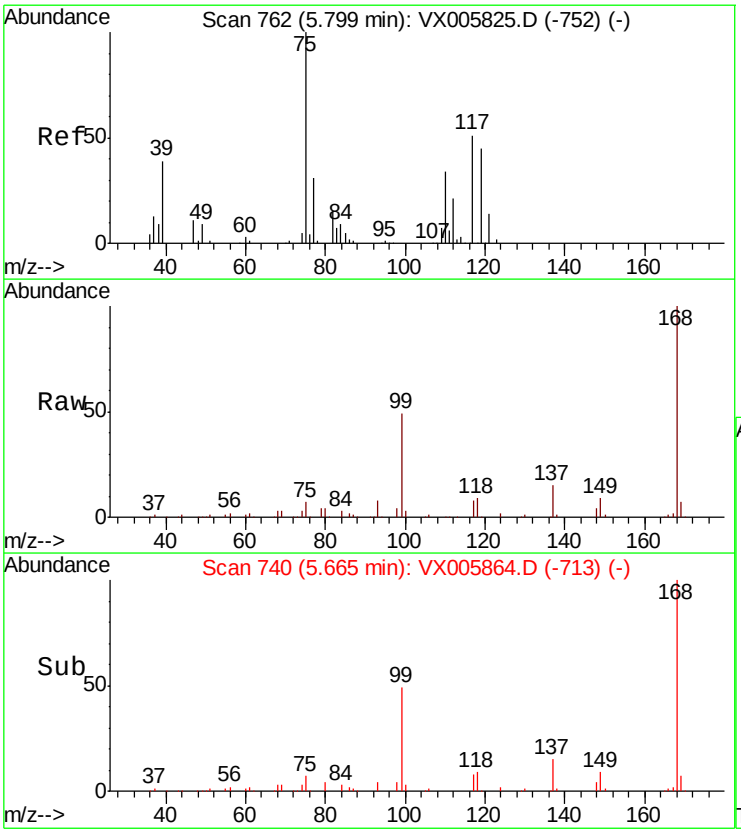

#35
Dibromofluoromethane
Concen: 55.121 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion:113 Resp: 55099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.1 | 82.3 | 123.5 |
| 192 | 23.5 | 17.9 | 26.9 |

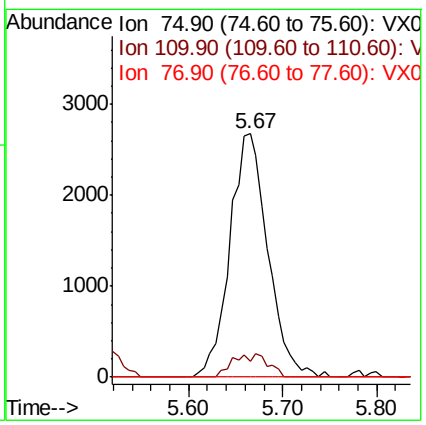


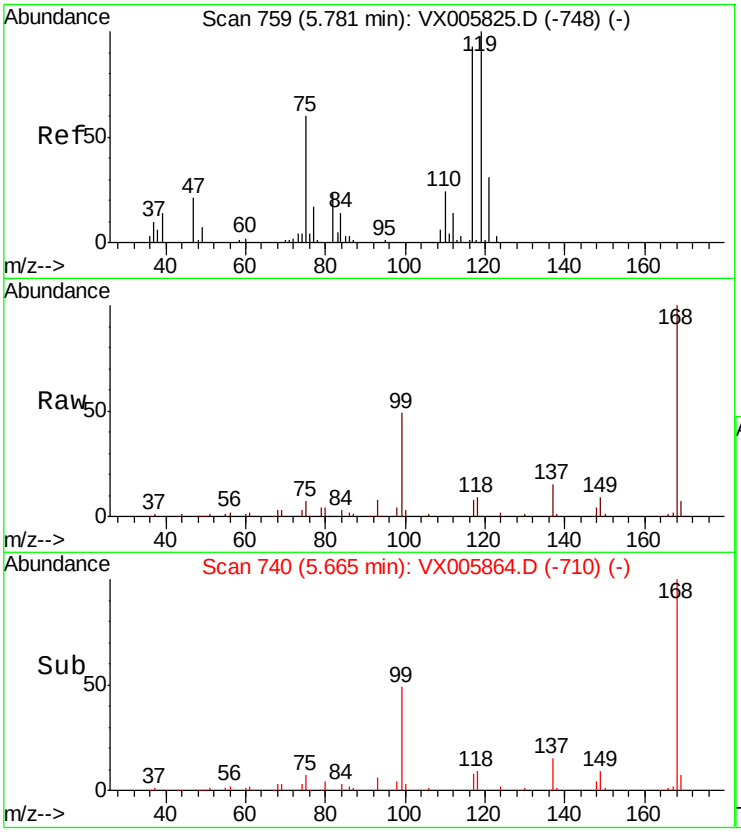




#36
1,1-Dichloropropene
Concen: 5.317 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 75 Resp: 7533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.8 | 17.4 | 52.2# |
| 77 | 0.0 | 25.8 | 38.6# |



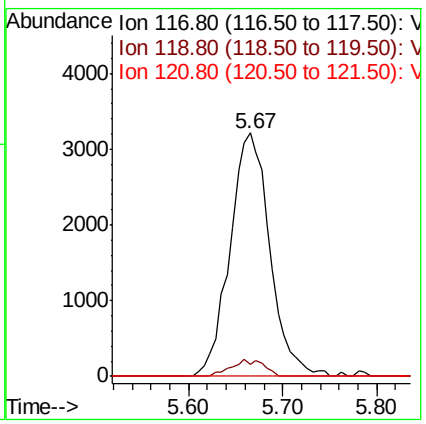


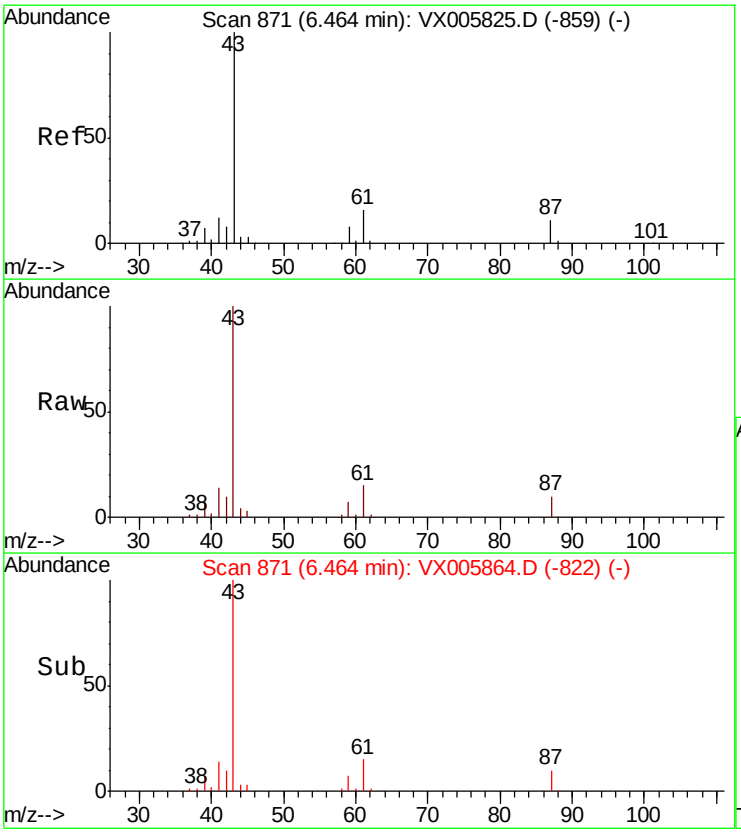

#38
Carbon Tetrachloride
Concen: 6.686 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion:117 Resp: 9483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 78.1 | 117.1# |
| 121 | 0.0 | 24.6 | 36.8# |

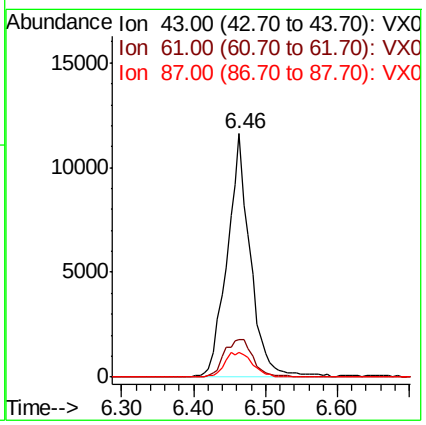


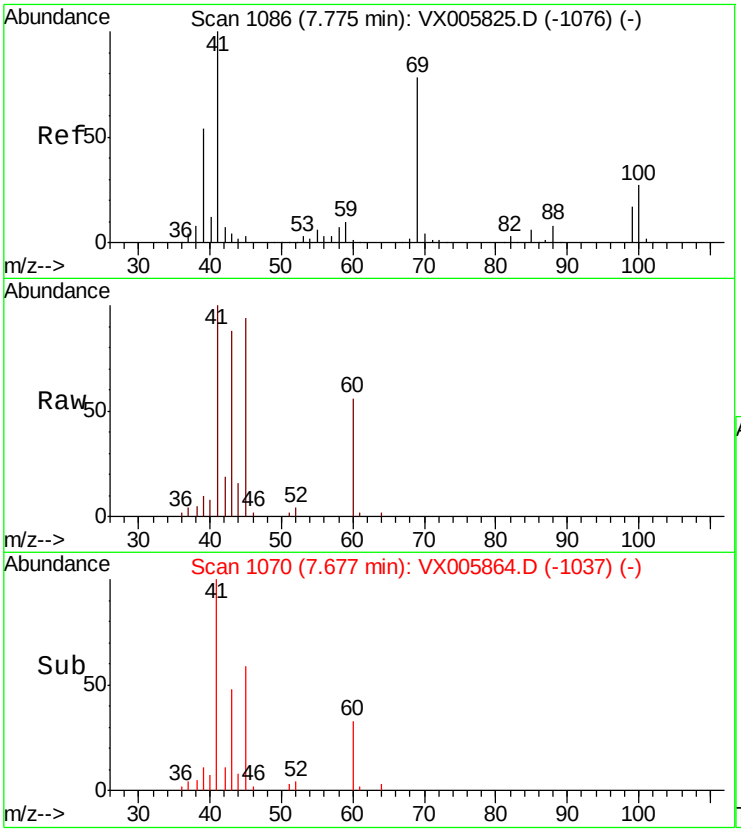




#43
Isopropyl Acetate
Concen: 9.604 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 43 Resp: 25927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 14.6 | 22.0 |
| 87 | 12.2 | 9.6 | 14.4 |



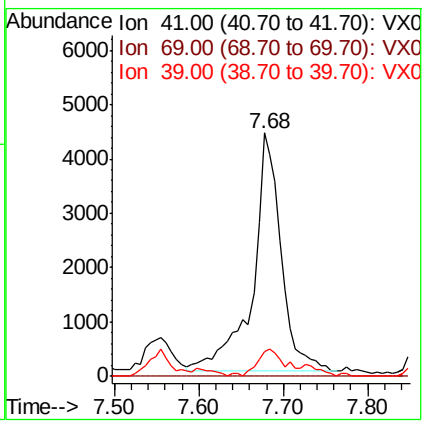


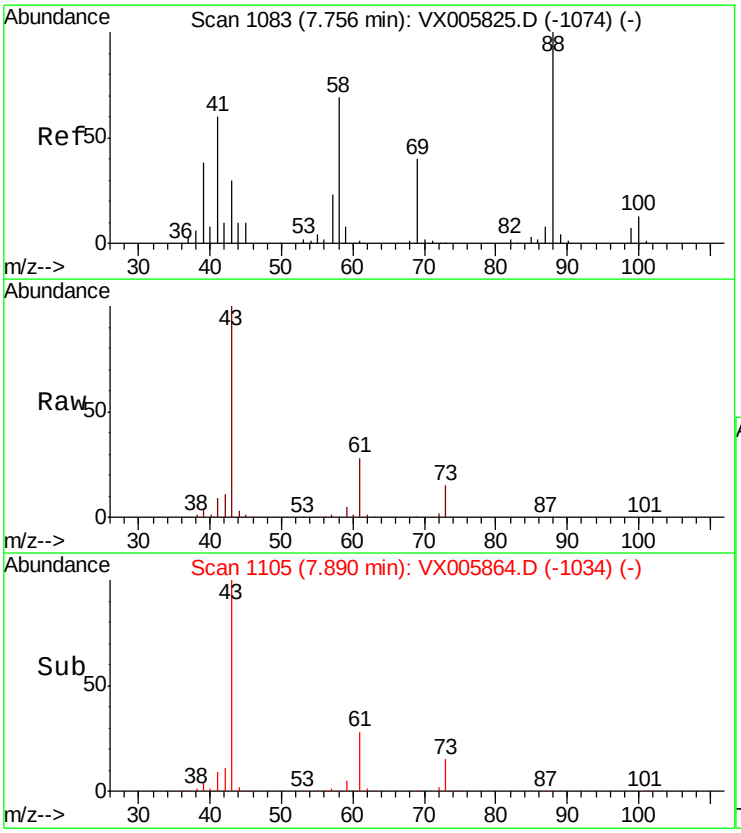

#48
Methyl methacrylate
Concen: 8.379 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.10 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :** MSVOA_X
**ClientSampleId :** PB114659ZHE#07

Tgt Ion: 41 Resp: 10157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 63.2 | 94.8# |
| 39 | 0.0 | 42.2 | 63.2# |

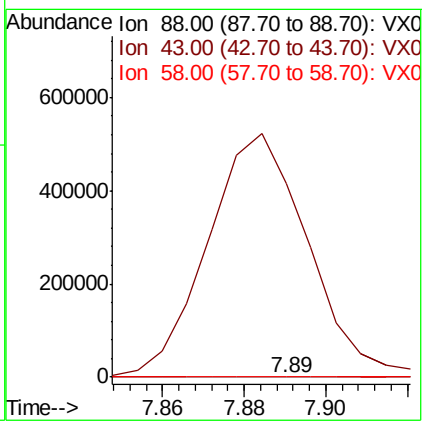


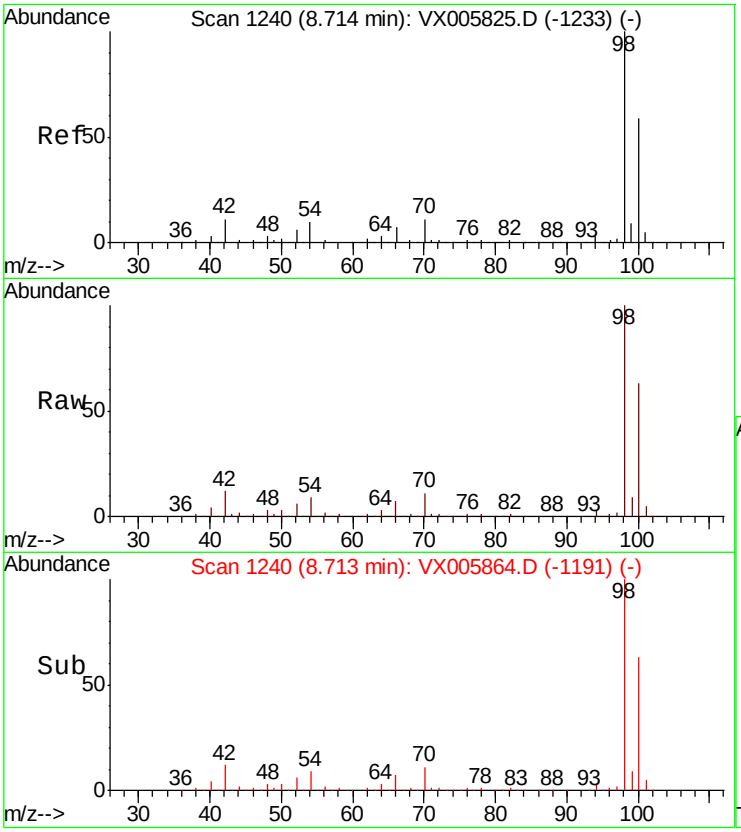




#49
1,4-Dioxane
Concen: 3.139 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. 0.13 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 88 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 1118156.1 | 27.4 | 41.0# |
| 58 | 4463.4 | 59.4 | 89.2# |



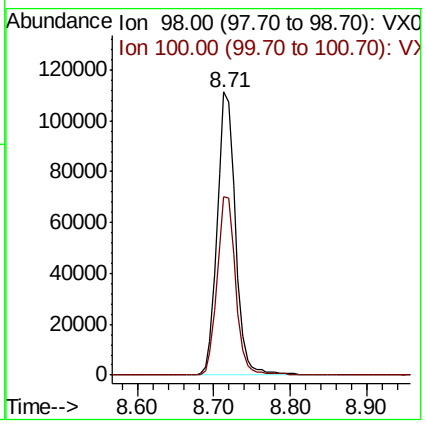


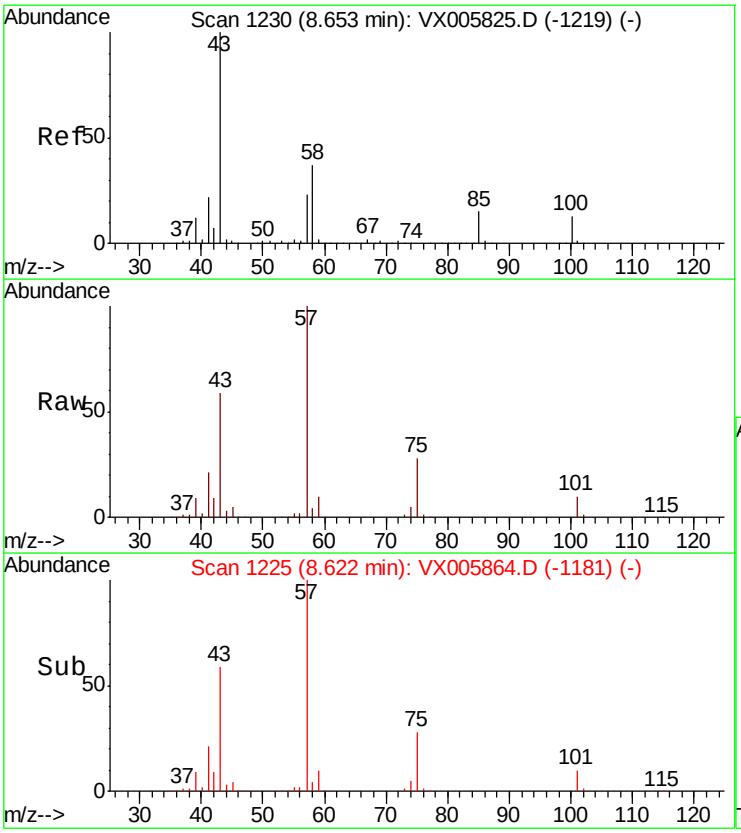

#50
Toluene-d8
Concen: 55.434 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 98 Resp: 184220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.9 | 51.3 | 76.9 |

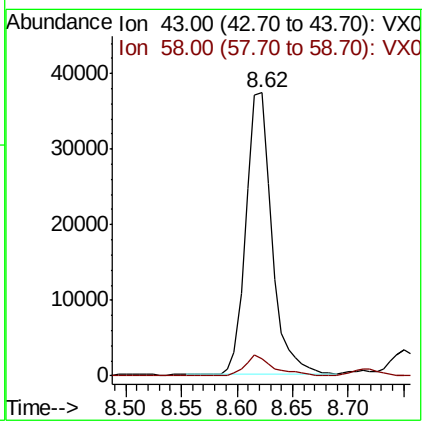


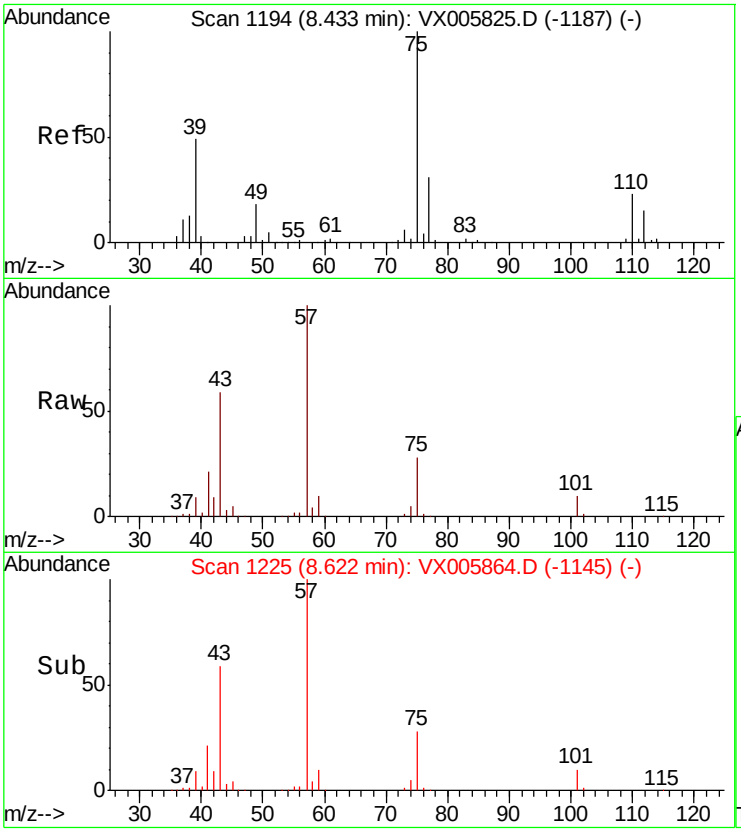




#51
4-Methyl-2-Pentanone
Concen: 35.700 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 43 Resp: 60742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 8.0 | 29.7 | 44.5# |



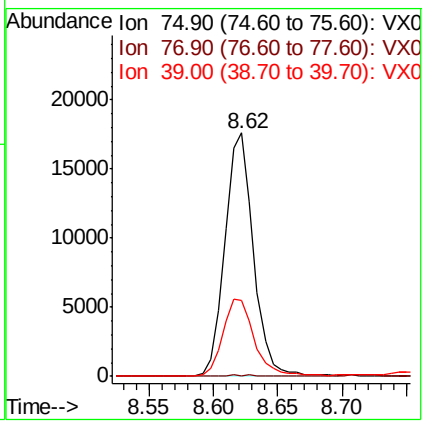


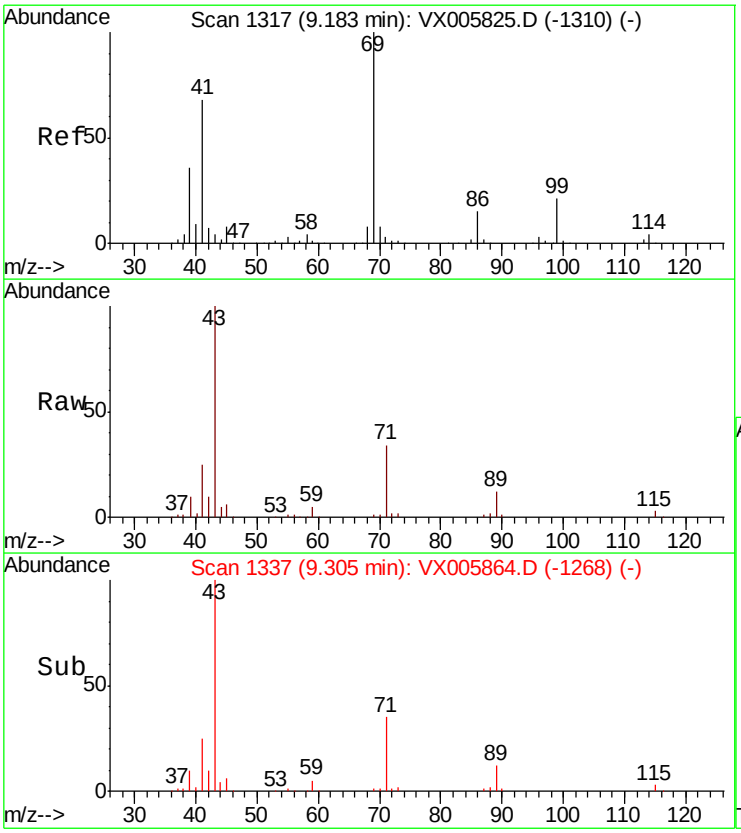

#54
cis-1,3-Dichloropropene
Concen: 19.137 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. 0.19 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 75 Resp: 27365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.4 | 25.2 | 37.8# |
| 39 | 31.3 | 38.2 | 57.2# |

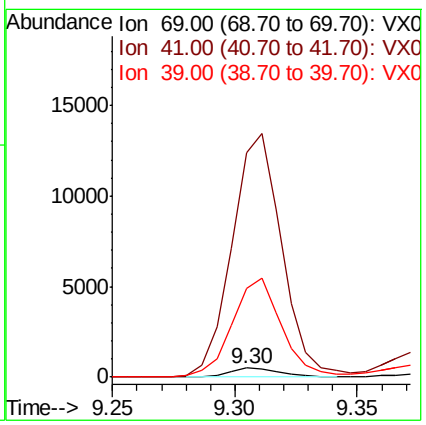


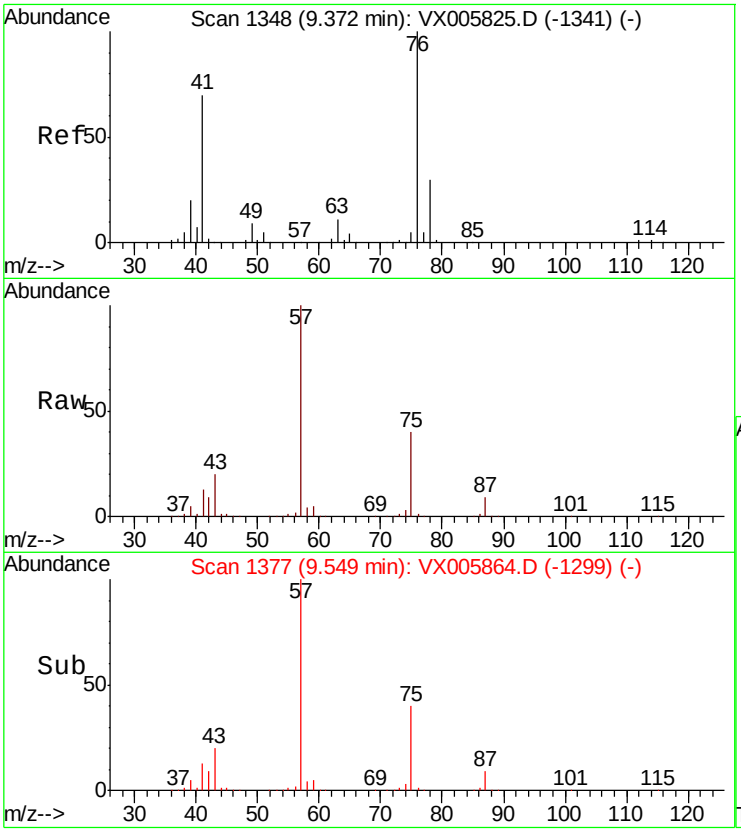




#56
Ethyl methacrylate
Concen: 0.438 ug/l
RT: 9.30 min Scan# 1337
Delta R.T. 0.12 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 69 Resp: 674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 2840.4 | 57.0 | 85.6# |
| 39 | 1149.4 | 28.3 | 42.5# |



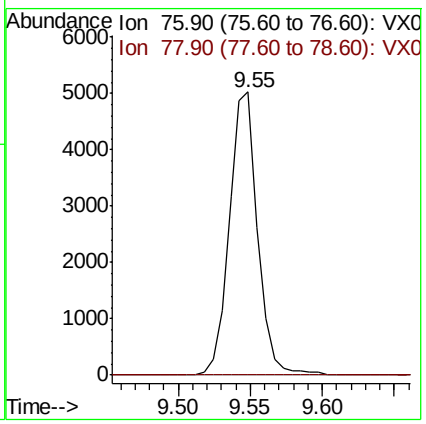


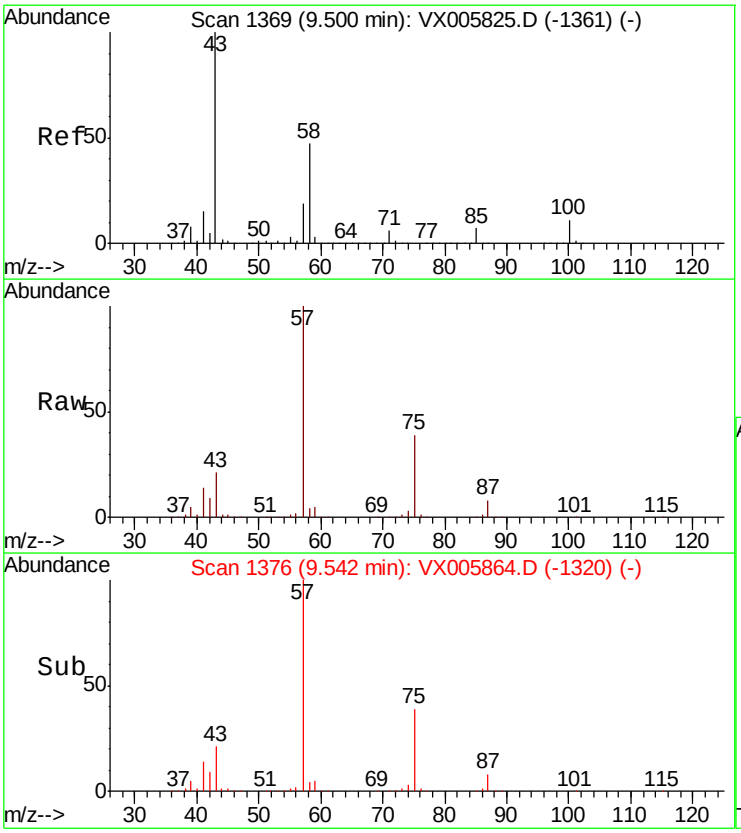

#57
1,3-Dichloropropane
Concen: 3.992 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.18 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 76 Resp: 6901

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.3 | 37.9# |

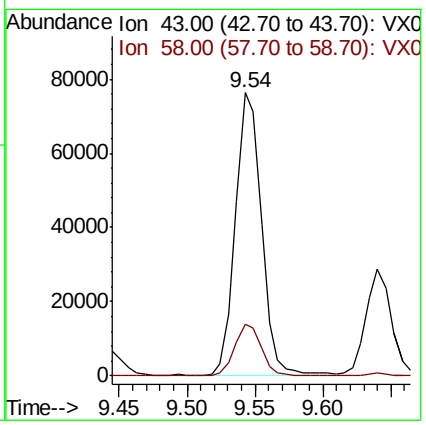


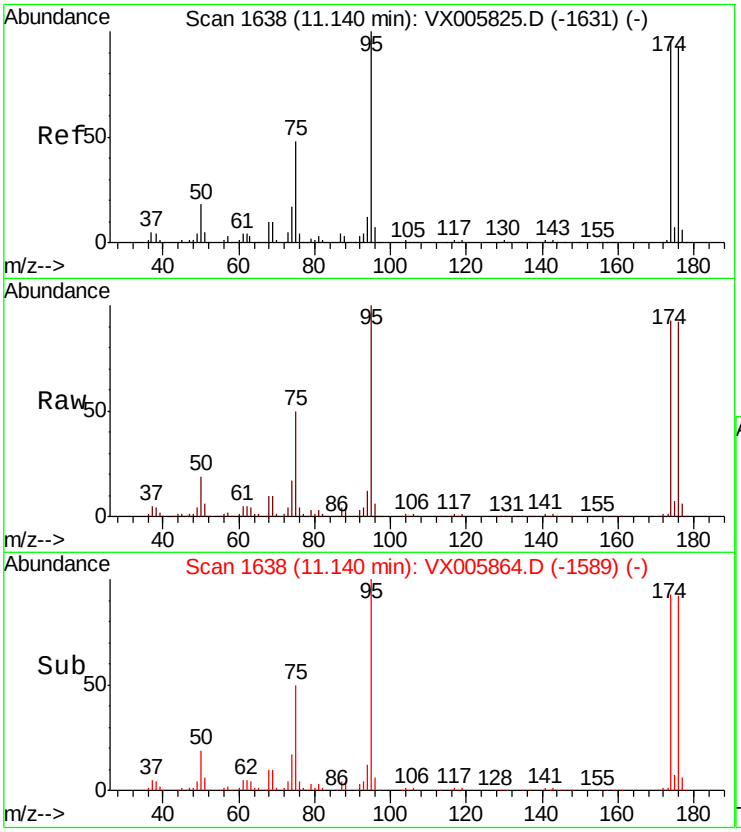




#59
2-Hexanone
Concen: 68.259 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 43 Resp: 102372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.8 | 25.9 | 77.8# |



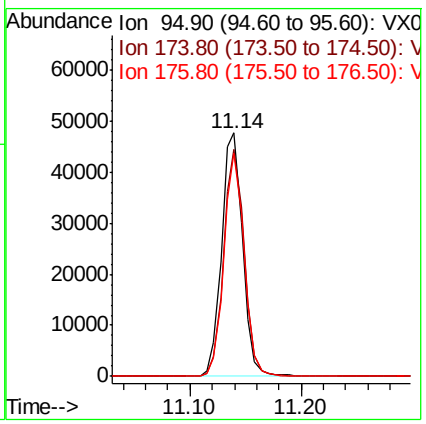


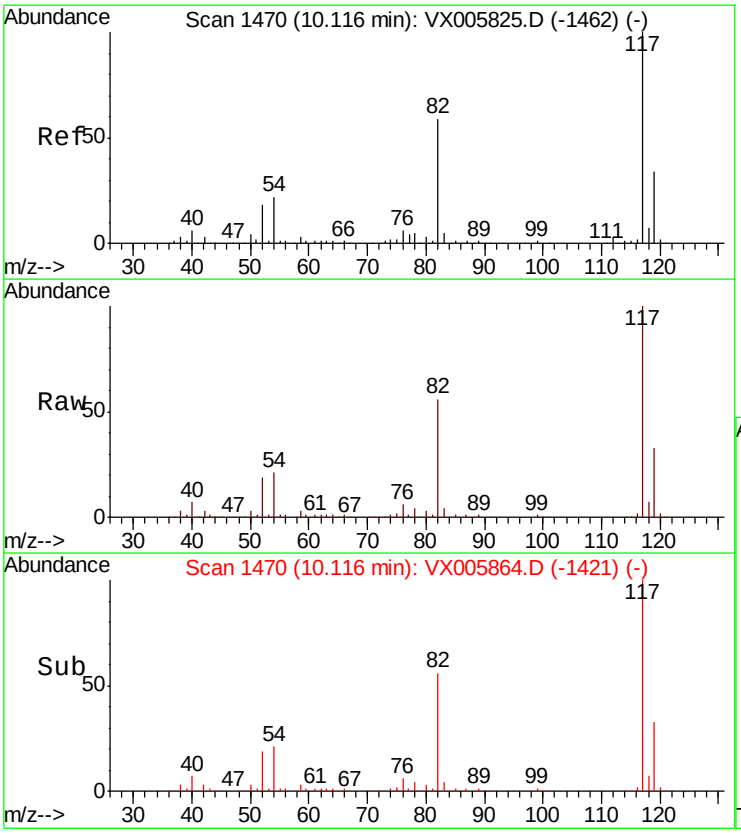

#62
4-Bromofluorobenzene
Concen: 52.032 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 95 Resp: 62169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 91.5 | 0.0 | 184.4 |
| 176 | 88.5 | 0.0 | 177.4 |

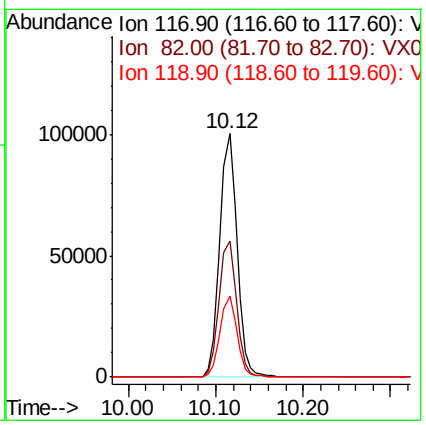


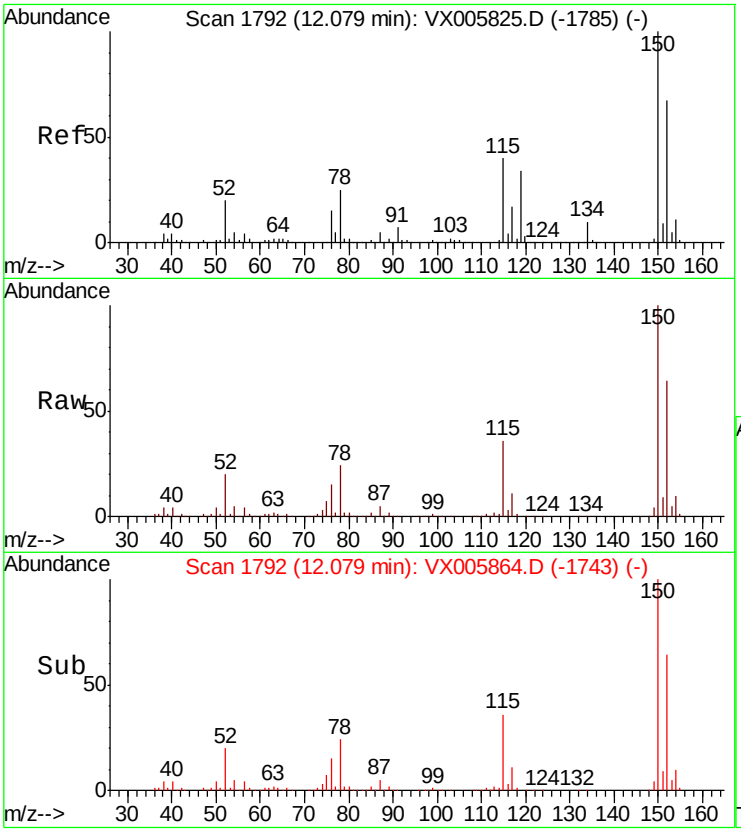




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion:117 Resp: 137793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.0 | 44.1 | 66.1 |
| 119 | 33.1 | 26.2 | 39.2 |



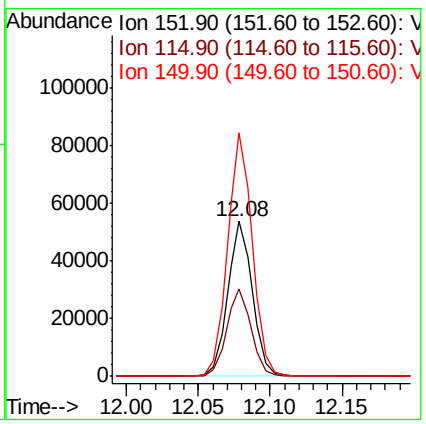


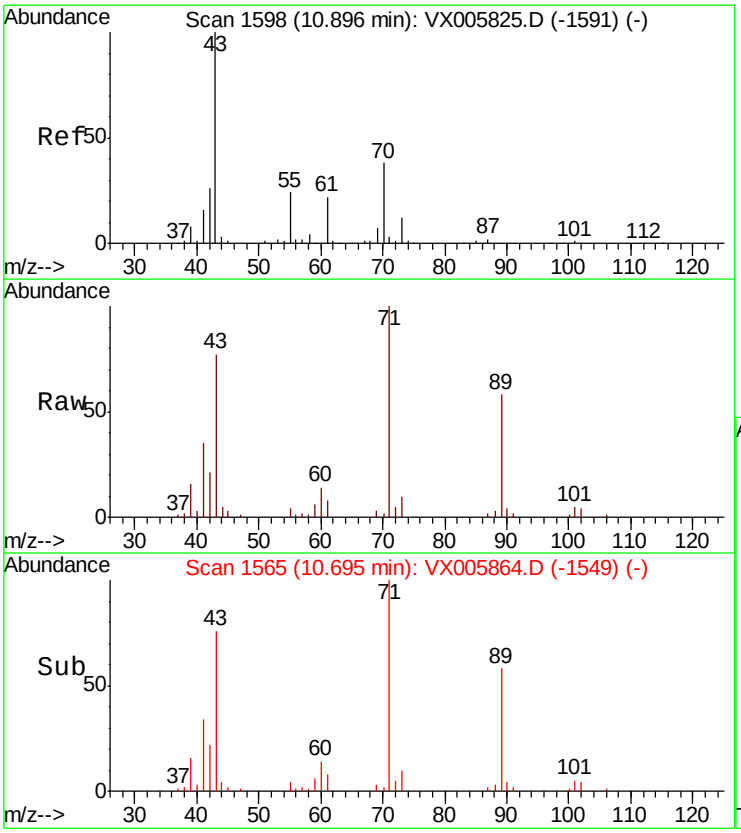

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :** MSVOA_X
**ClientSampleId :** PB114659ZHE#07

Tgt Ion:152 Resp: 64528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.1 | 39.4 | 118.1 |
| 150 | 157.7 | 0.0 | 346.4 |

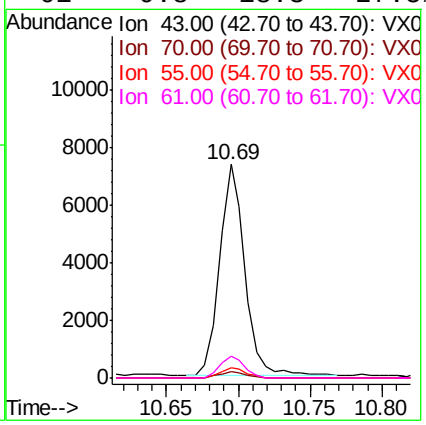


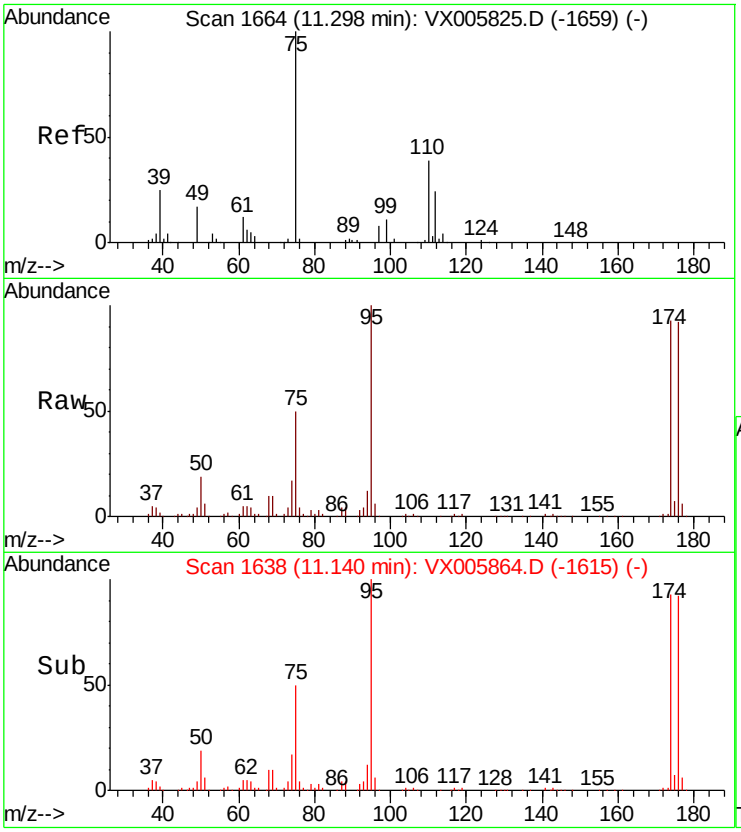




#74
N-amyl acetate
Concen: 5.498 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.20 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 43 Resp: 9120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 3.0 | 31.6 | 47.4# |
| 55 | 4.8 | 19.7 | 29.5# |
| 61 | 9.8 | 18.3 | 27.5# |



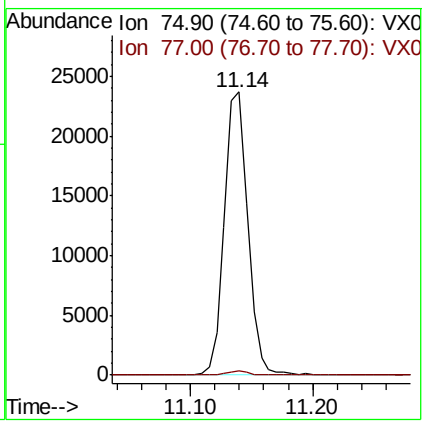


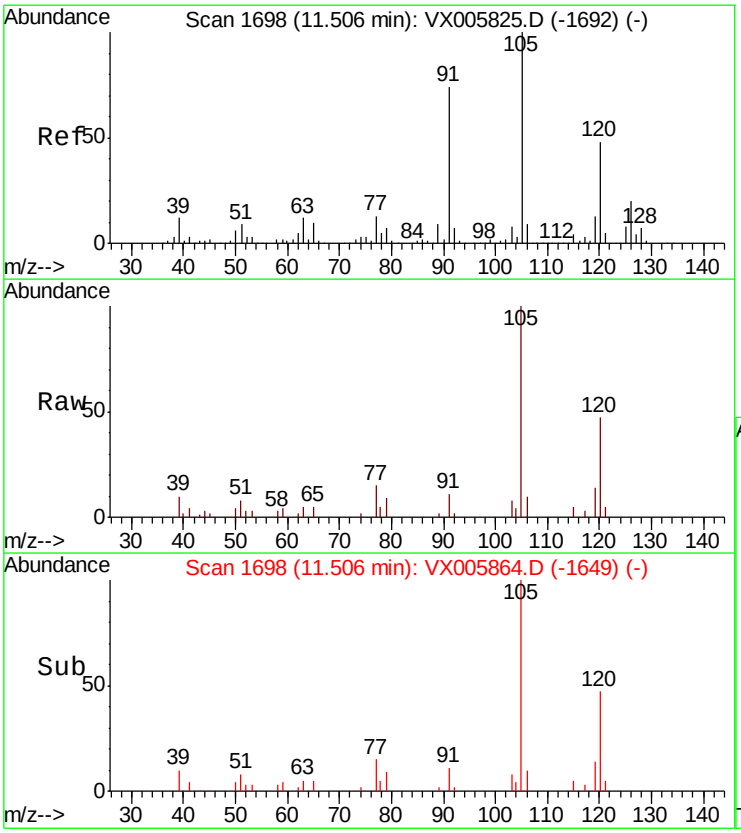

#76
1,2,3-Trichloropropane
Concen: 23.889 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 75 Resp: 31388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 20.5 | 61.6# |

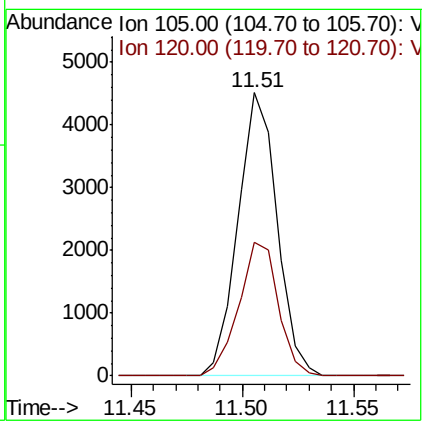


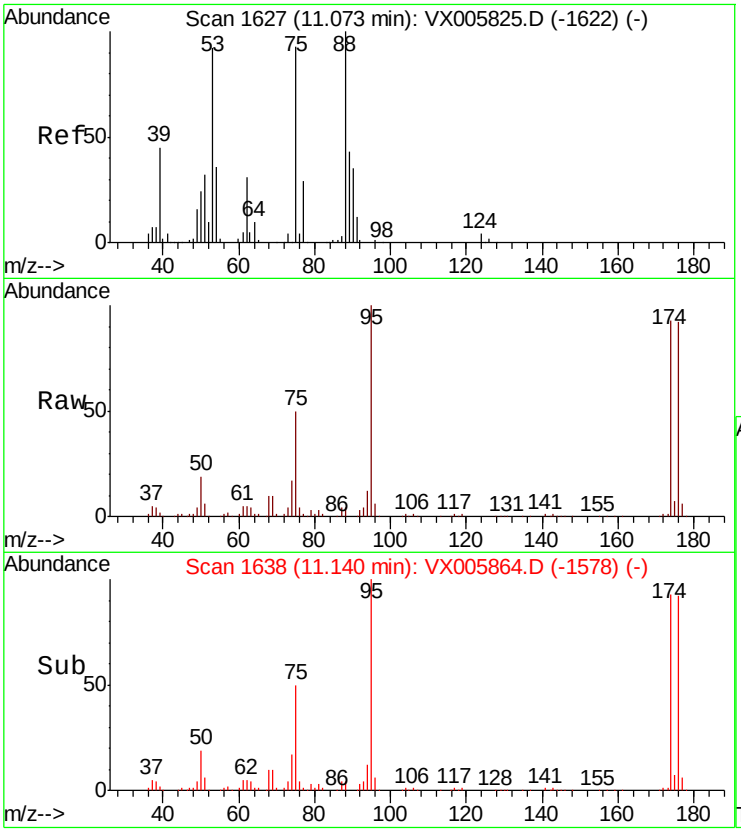




#80
1,3,5-Trimethylbenzene
Concen: 1.749 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion:105 Resp: 5545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 24.1 | 72.2 |



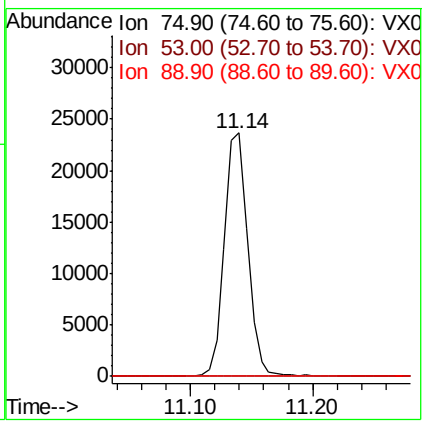


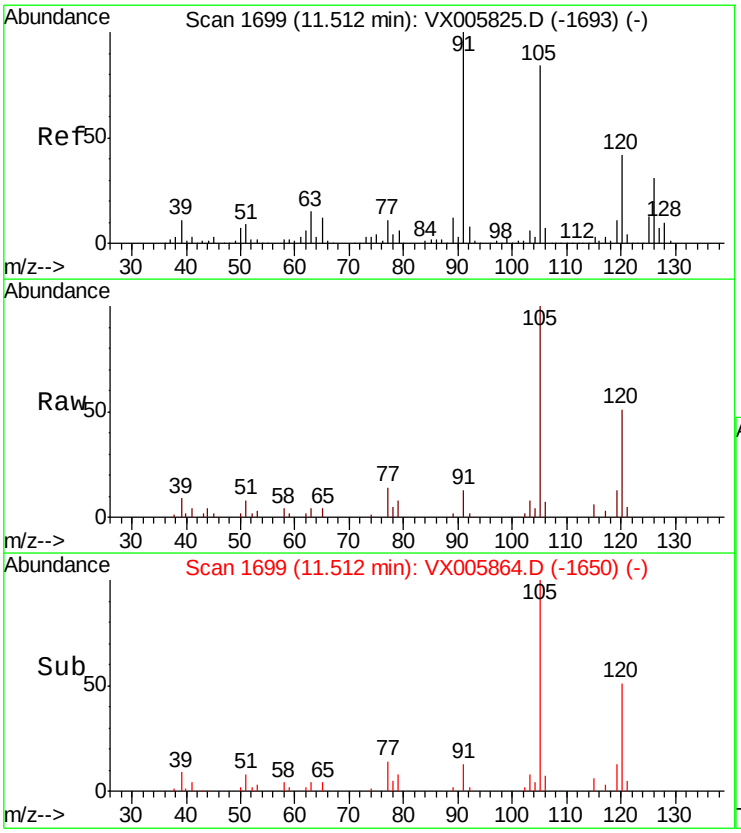

#81
trans-1,4-Dichloro-2-butene
Concen: 76.137 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.07 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :**
MSVOA_X
**ClientSampleId :**
PB114659ZHE#07

Tgt Ion: 75 Resp: 31388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 80.2 | 120.2# |
| 89 | 0.0 | 39.8 | 59.8# |

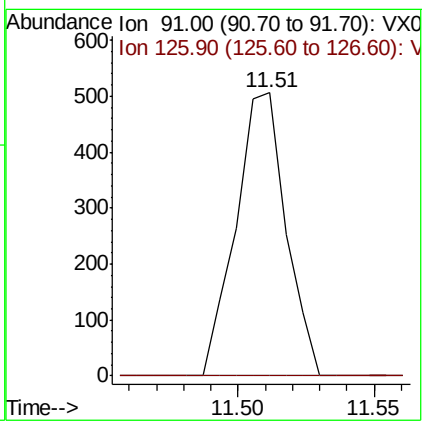


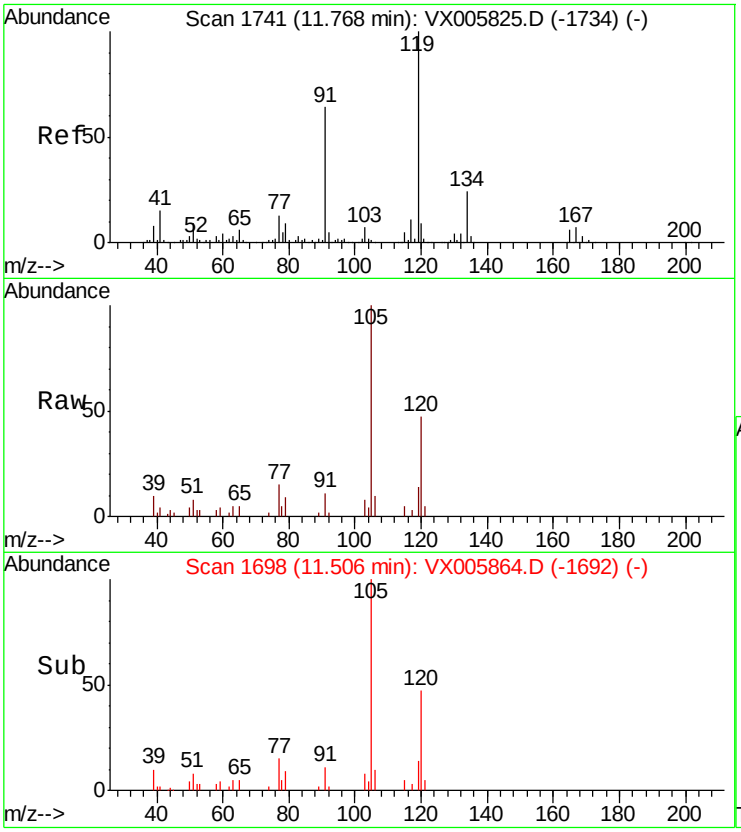




#82
4-Chlorotoluene
Concen: 0.206 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion: 91 Resp: 646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 15.2 | 45.6# |



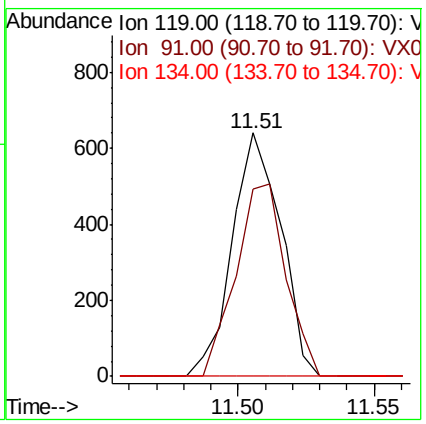


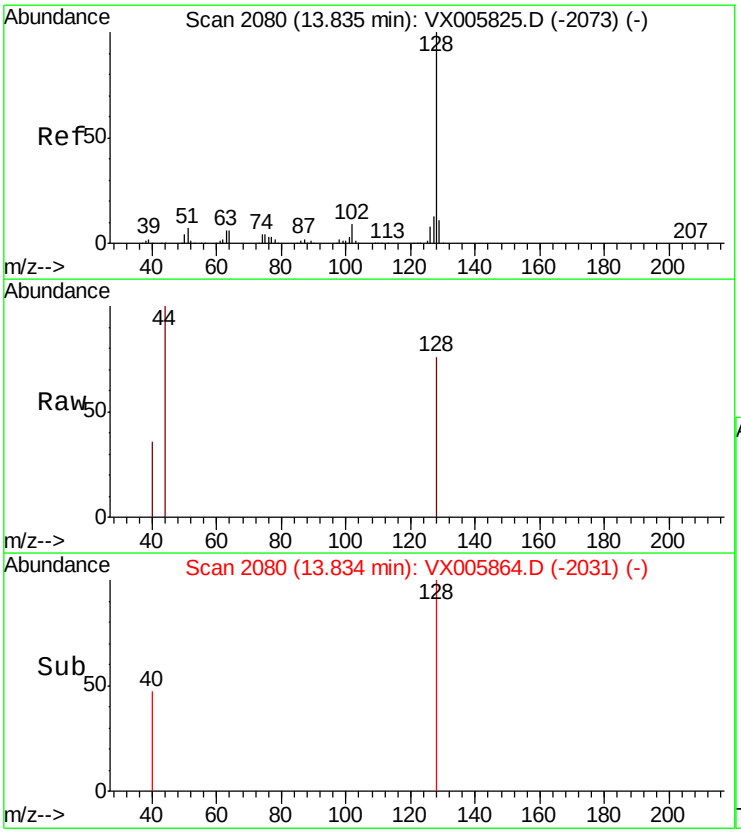

#83
tert-Butylbenzene
Concen: 0.247 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.26 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

**Instrument :** MSVOA_X
**ClientSampleId :** PB114659ZHE#07

Tgt Ion:119 Resp: 792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 81.6 | 28.5 | 85.5 |
| 134 | 0.0 | 11.3 | 33.8# |




#95
Naphthalene
Concen: 1.213 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005864.D
Acq: 09 Nov 2018 16:25

Tgt Ion:128 Resp: 168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.4 | 15.6# |
| 129 | 0.0 | 8.7 | 13.1# |