Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000110.D
Acq On : 20 Feb 2018 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VSTDICC005

**Manual Integrations APPROVED**
apatel
2/22/2018 4:04:34 PM

Quant Time: Feb 21 06:13:53 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.03 | 128 | 15787 | 30.00 | ug/l | | 0.00 |
| 28) 1,4-Difluorobenzene | 6.87 | 114 | 93914 | 30.00 | ug/l | | 0.00 |
| 57) Chlorobenzene-d5 | 10.12 | 117 | 89579 | 30.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 6.08 | 65 | 37508 | 30.96 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 103.20% | | | | |
| 60) 4-Bromofluorobenzene | 11.15 | 95 | 43177 | 29.62 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 98.73% | | | | |
| 63) Toluene-d8 | 8.73 | 98 | 115871 | 30.15 | ug/l | | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 100.50% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 5254 | 5.49 | ug/l | | 99 |
| 3) Chloromethane | 1.32 | 50 | 5493 | 5.53 | ug/l | | 99 |
| 4) Vinyl Chloride | 1.40 | 62 | 6446 | 5.53 | ug/l | | 93 |
| 5) Bromomethane | 1.64 | 94 | 6721 | 6.39 | ug/l | | 92 |
| 6) Chloroethane | 1.73 | 64 | 4243 | 5.78 | ug/l | | 93 |
| 7) Trichlorofluoromethane | 1.93 | 101 | 11259 | 5.65 | ug/l | | 86 |
| 8) Diethyl Ether | 2.19 | 74 | 3773 | 5.18 | ug/l | | 93 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 5677 | 5.15 | ug/l | | 94 |
| 10) 1,1-Dichloroethene | 2.37 | 96 | 5571 | 5.27 | ug/l | | 94 |
| 11) Methyl Iodide | 2.51 | 142 | 4983 | 5.86 | ug/l | | 97 |
| 12) Methyl Acetate | 2.79 | 43 | 10041 | 5.33 | ug/l | | 93 |
| 13) Acrolein | 2.30 | 56 | 6524 | 30.31 | ug/l | | 95 |
| 14) Acrylonitrile | 3.15 | 53 | 21874 | 26.71 | ug/l | | 100 |
| 15) Acetone | 2.45 | 58 | 7107 | 25.46 | ug/l | | 89 |
| 16) Carbon Disulfide | 2.57 | 76 | 16837 | 5.66 | ug/l | # | 94 |
| 17) Allyl chloride | 2.73 | 41 | 9995 | 5.62 | ug/l | | 97 |
| 18) Methylene Chloride | 2.86 | 84 | 6346 | 5.63 | ug/l | | 97 |
| 19) trans-1,2-Dichloroethene | 3.17 | 96 | 6194 | 5.45 | ug/l | | 89 |
| 20) Diisopropyl ether | 3.89 | 45 | 15895 | 5.85 | ug/l | # | 93 |
| 21) 1,1-Dichloroethane | 3.71 | 63 | 10099 | 5.23 | ug/l | | 95 |
| 22) cis-1,2-Dichloroethene | 4.61 | 96 | 5835 | 5.52 | ug/l | | 95 |
| 23) tert-Butyl Alcohol | 3.09 | 59 | 13014 | 27.32 | ug/l | # | 100 |
| 24) Methyl tert-Butyl Ether | 3.21 | 73 | 19033 | 5.26 | ug/l | | 98 |
| 25) Chloroform | 5.23 | 83 | 9499 | 5.19 | ug/l | | 90 |
| 26) Cyclohexane | 5.58 | 56 | 7831 | 5.44 | ug/l | # | 99 |
| 29) 1,1-Dichloropropene | 5.81 | 75 | 7330 | 5.41 | ug/l | | 87 |
| 30) 2-Butanone | 4.73 | 43 | 28904 | 26.73 | ug/l | # | 95 |
| 31) 2,2-Dichloropropane | 4.60 | 77 | 7861 | 5.38 | ug/l | # | 72 |
| 32) 1,1,1-Trichloroethane | 5.51 | 97 | 8609 | 5.23 | ug/l | | 97 |
| 33) Carbon Tetrachloride | 5.79 | 117 | 7311 | 5.03 | ug/l | | 97 |
| 34) Benzene | 6.15 | 78 | 20391 | 5.15 | ug/l | # | 89 |
| 35) Methacrylonitrile | 5.09 | 41 | 5542 | 5.75 | ug/l | | 93 |
| 36) 1,2-Dichloroethane | 6.21 | 62 | 8046 | 5.39 | ug/l | # | 87 |
| 37) Trichloroethene | 7.22 | 130 | 6292 | 5.35 | ug/l | | 96 |
| 38) Methylcyclohexane | 7.47 | 83 | 8682 | 5.44 | ug/l | | 96 |
| 39) 1,2-Dichloropropane | 7.52 | 63 | 5364 | 5.37 | ug/l | | 99 |
| 40) Dibromomethane | 7.67 | 93 | 3900 | 5.19 | ug/l | | 98 |

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000110.D
Acq On : 20 Feb 2018 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 21 06:13:53 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

**Instrument :** MSVOA_X
**ClientSampleId :** VSTDICC005

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Bromodichloromethane | 7.91 | 83 | 7428 | 5.13 ug/l # | 99 |
| 42) Vinyl Acetate | 3.84 | 43 | 79145 | 30.44 ug/l | 98 |
| 43) Ethyl Acetate | 4.88 | 43 | 10169 | 5.38 ug/l # | 74 |
| 44) Isopropyl Acetate | 6.49 | 43 | 14283 | 5.29 ug/l | 98 |
| 45) 1,4-Dioxane | 7.77 | 88 | 3698 | 110.64 ug/l | 97 |
| 46) Methyl methacrylate | 7.79 | 41 | 6756 | 5.13 ug/l | 91 |
| 47) n-amyl Acetate | 10.91 | 43 | 11649 | 5.02 ug/l | 99 |
| 48) t-1,3-Dichloropropene | 8.45 | 75 | 8565 | 5.03 ug/l | 98 |
| 49) cis-1,3-Dichloropropene | 9.05 | 75 | 8123 | 4.94 ug/l | 97 |
| 50) 1,1,2-Trichloroethane | 9.23 | 97 | 5725 | 5.28 ug/l # | 91 |
| 51) Ethyl methacrylate | 9.20 | 69 | 8785 | 5.32 ug/l | 96 |
| 52) 1,3-Dichloropropane | 9.38 | 76 | 9317 | 5.17 ug/l | 99 |
| 53) Dibromochloromethane | 9.59 | 129 | 5811 | 4.73 ug/l | 96 |
| 54) 1,2-Dibromoethane | 9.68 | 107 | 6262 | 5.07 ug/l | 100 |
| 55) 2-Chloroethyl vinyl ether | 8.32 | 63 | 19381 | 23.02 ug/l | 98 |
| 56) Bromoform | 10.87 | 173 | 4362 | 4.47 ug/l | 97 |
| 58) 4-Methyl-2-Pentanone | 8.66 | 43 | 51116 | 25.33 ug/l | 100 |
| 59) 2-Hexanone | 9.51 | 43 | 42794 | 24.90 ug/l | 98 |
| 61) Tetrachloroethene | 9.34 | 164 | 5608 | 5.15 ug/l | 87 |
| 62) Toluene | 8.79 | 91 | 23824 | 5.06 ug/l | 98 |
| 64) Chlorobenzene | 10.15 | 112 | 16578 | 5.28 ug/l | 89 |
| 65) 1,1,1,2-Tetrachloroethane | 10.23 | 131 | 5321 | 4.75 ug/l | 98 |
| 66) Ethyl Benzene | 10.26 | 91 | 27488 | 5.08 ug/l | 99 |
| 67) m/p-Xylenes | 10.37 | 106 | 21363 | 10.30 ug/l | 97 |
| 68) o-Xylene | 10.71 | 106 | 10181 | 4.97 ug/l | 97 |
| 69) Styrene | 10.72 | 104 | 16625 | 4.91 ug/l | 99 |
| 70) Isopropylbenzene | 11.02 | 105 | 28083 | 5.08 ug/l | 98 |
| 71) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 9299 | 4.88 ug/l | 99 |
| 72) 1,2,3-Trichloropropane | 11.30 | 75 | 8628m | 4.93 ug/l | |
| 73) Bromobenzene | 11.26 | 156 | 7000 | 4.90 ug/l | 96 |
| 74) n-propylbenzene | 11.37 | 91 | 33477 | 5.17 ug/l | 99 |
| 75) 2-Chlorotoluene | 11.43 | 91 | 18759 | 4.96 ug/l | 99 |
| 76) 1,3,5-Trimethylbenzene | 11.52 | 105 | 23663 | 5.07 ug/l | 71 |
| 77) t-1,4-Dichloro-2-butene | 11.09 | 75 | 2633 | 4.31 ug/l | 86 |
| 78) 4-Chlorotoluene | 11.52 | 91 | 22505 | 5.05 ug/l | 98 |
| 79) tert-butylbenzene | 11.78 | 119 | 23398m | 4.99 ug/l | |
| 80) 1,2,4-Trimethylbenzene | 11.82 | 105 | 23804 | 4.92 ug/l | 100 |
| 81) sec-Butylbenzene | 11.96 | 105 | 28890 | 4.97 ug/l | 99 |
| 82) p-Isopropyltoluene | 12.07 | 119 | 25243 | 4.86 ug/l | 96 |
| 83) 1,3-Dichlorobenzene | 12.04 | 146 | 13525 | 4.92 ug/l | 98 |
| 84) 1,4-Dichlorobenzene | 12.11 | 146 | 14619 | 5.17 ug/l | 100 |
| 85) n-Butylbenzene | 12.40 | 91 | 24455 | 5.04 ug/l | 98 |
| 86) Hexachloroethane | 12.60 | 117 | 4041 | 4.75 ug/l | 97 |
| 87) 1,2-Dichlorobenzene | 12.40 | 146 | 13442 | 4.88 ug/l | 99 |
| 88) 1,2-Dibromo-3-Chloropropan | 13.01 | 75 | 2652 | 5.00 ug/l | 94 |
| 89) 1,2,4-Trichlorobenzene | 13.65 | 180 | 9907 | 5.02 ug/l | 98 |
| 90) Hexachlorobutadiene | 13.79 | 225 | 4390 | 5.34 ug/l | 95 |
| 91) Naphthalene | 13.84 | 128 | 34202 | 4.83 ug/l | 99 |
| 92) 1,2,3-Trichlorobenzene | 14.03 | 180 | 9978 | 4.97 ug/l | 99 |

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000110.D
Acq On : 20 Feb 2018 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
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Quant Time: Feb 21 06:13:53 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000110.D
Acq On : 20 Feb 2018 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 21 06:13:53 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 21 05:38:14 2018
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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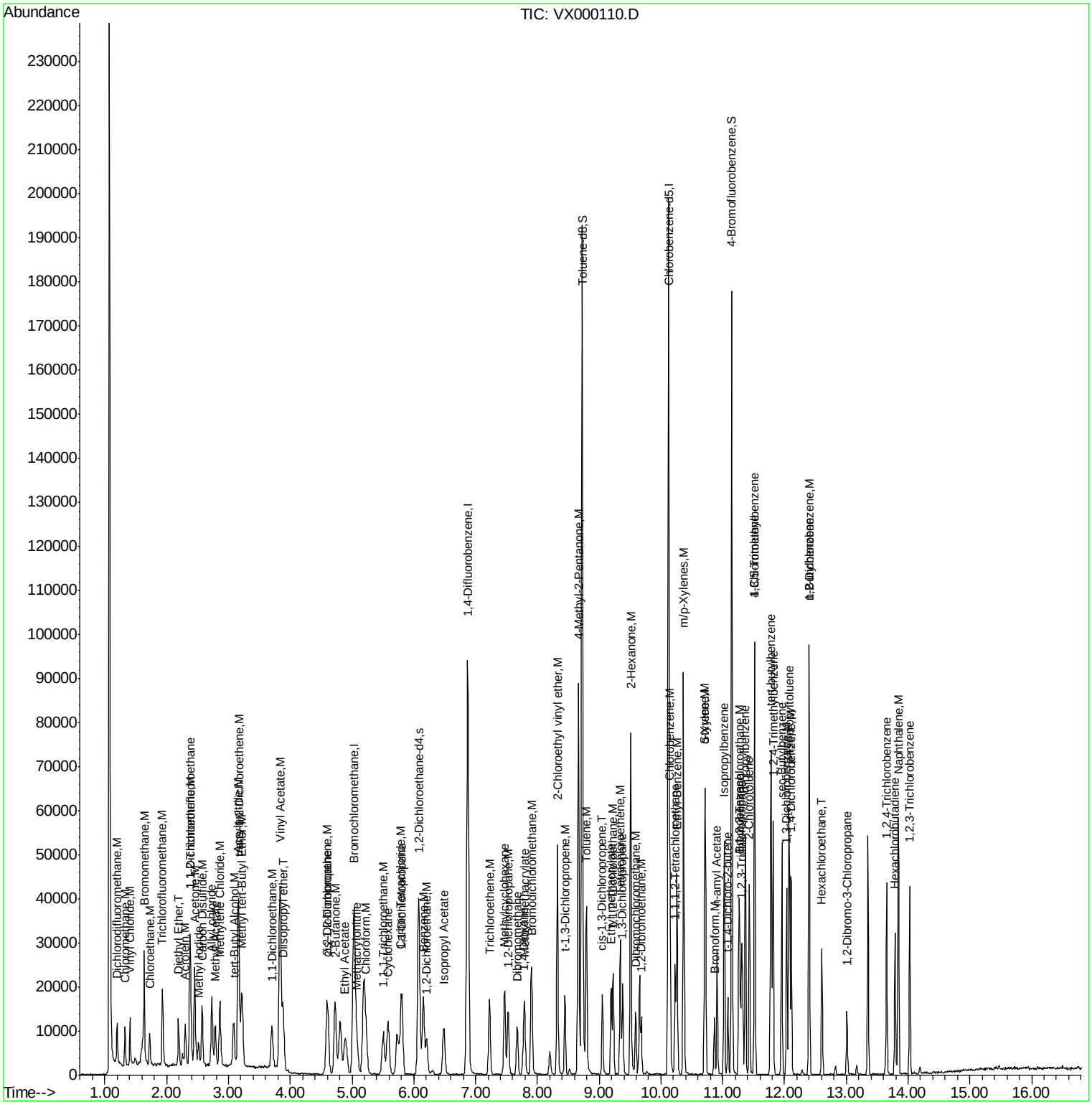
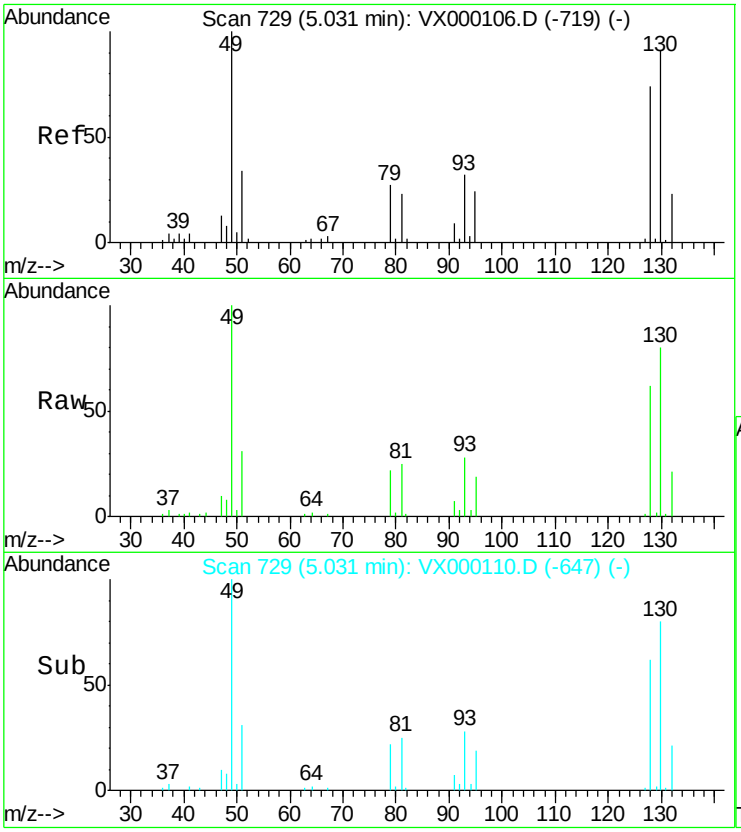
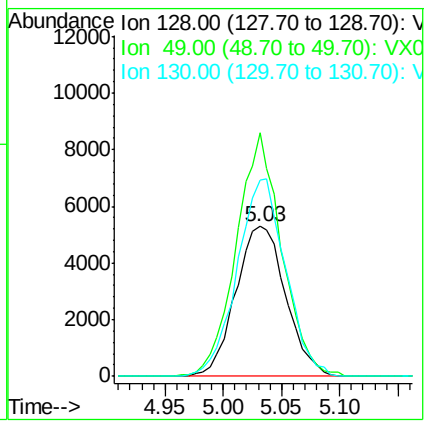





#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 5.03 min Scan# 729
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:128 Resp: 15787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 147.3 | 0.0 | 378.3 |
| 130 | 127.0 | 0.0 | 324.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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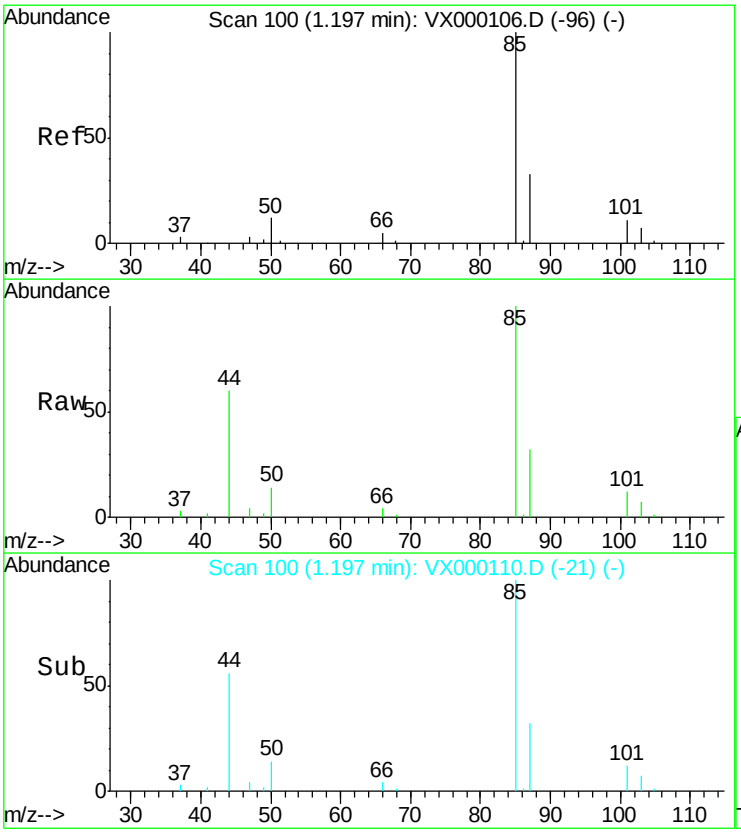
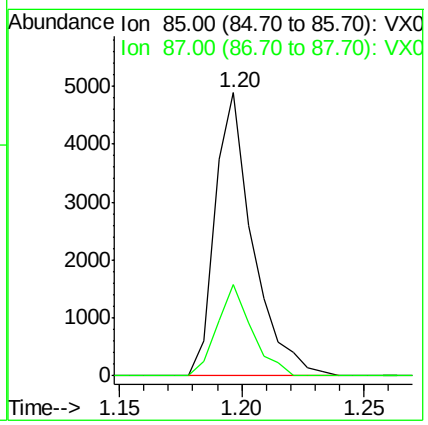
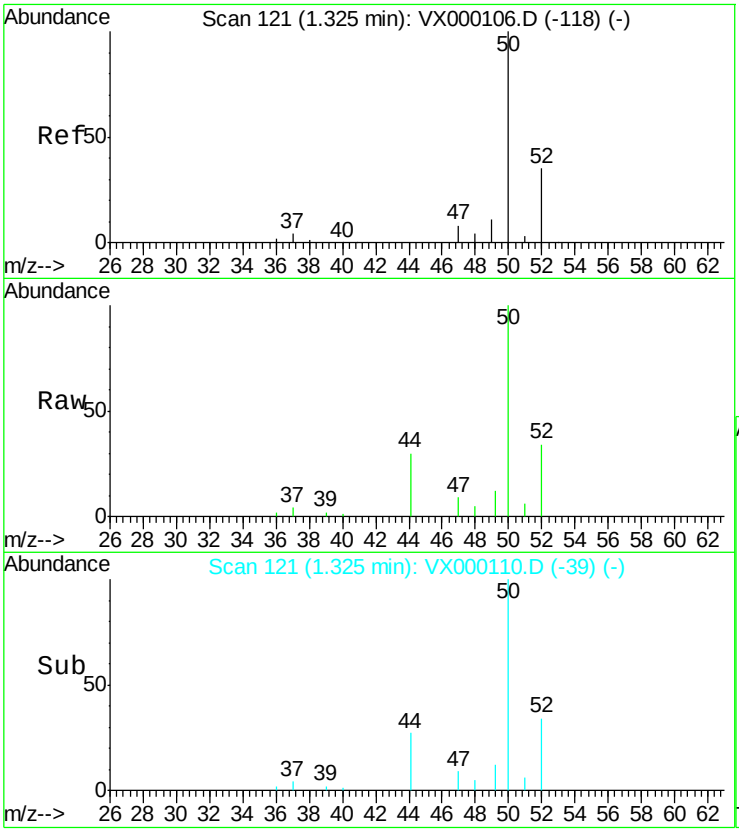



#2
Dichlorodifluoromethane
Concen: 5.49 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 85 Resp: 5254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 16.6 | 49.7 |

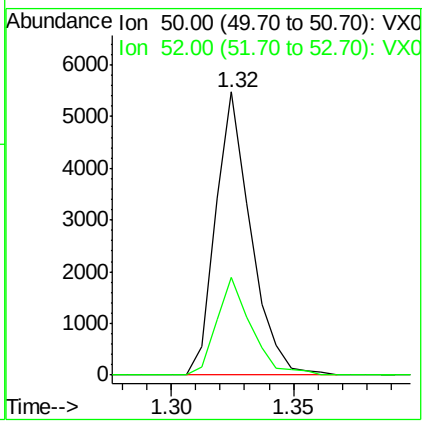





#3
Chloromethane
Concen: 5.53 ug/l
RT: 1.32 min Scan# 121
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 50 Resp: 5493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.4 | 27.8 | 41.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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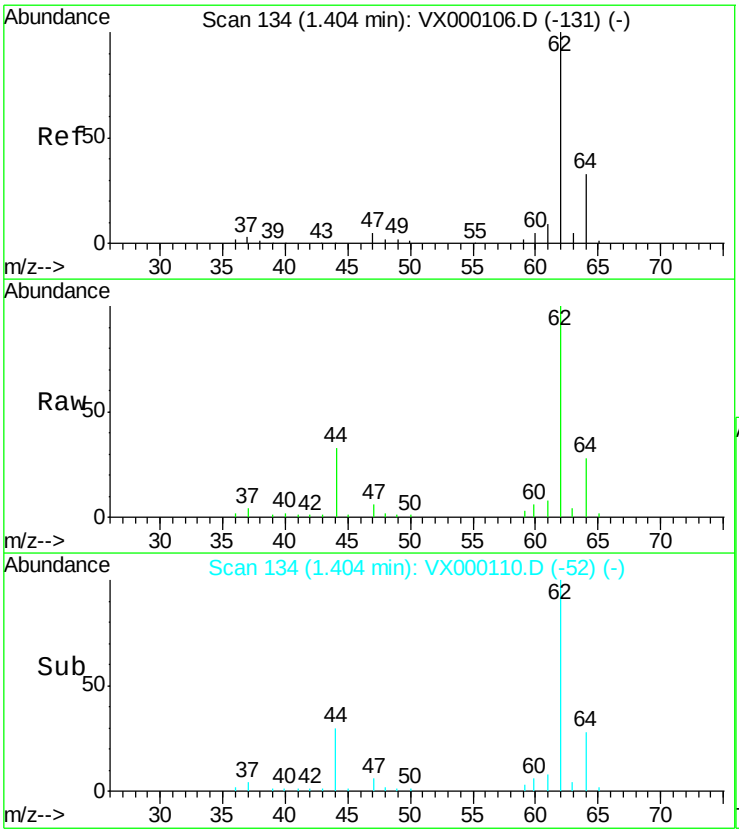
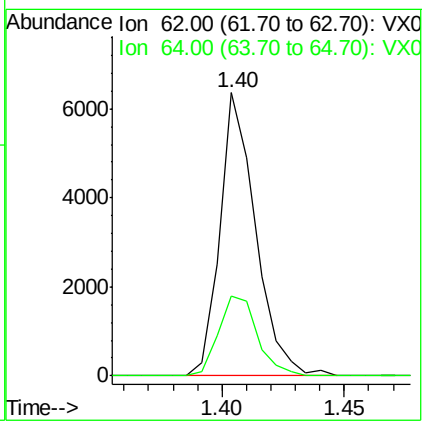
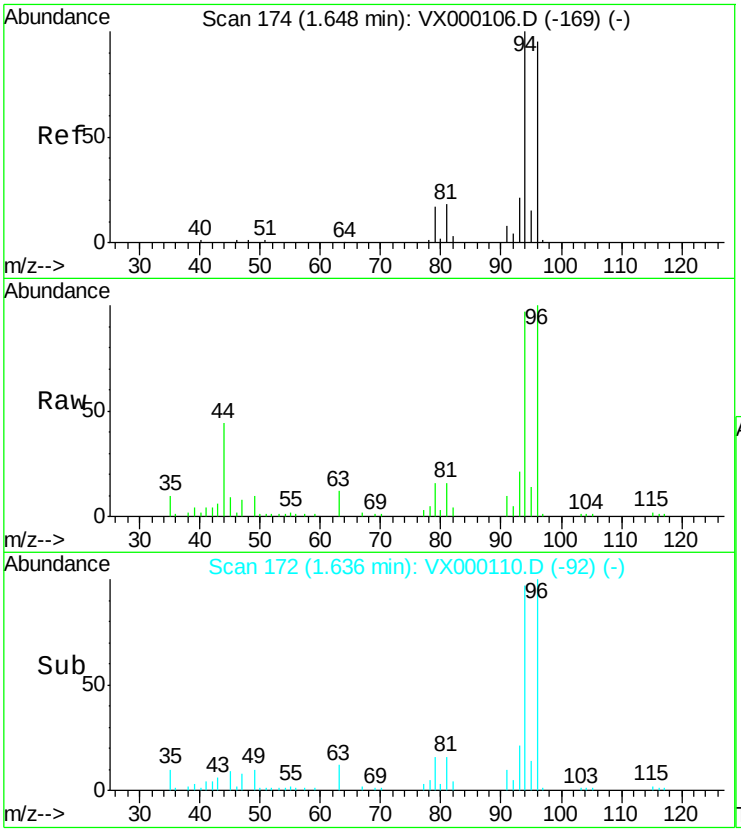



#4
Vinyl Chloride
Concen: 5.53 ug/l
RT: 1.40 min Scan# 134
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 62 Resp: 6446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.4 | 26.0 | 39.0 |

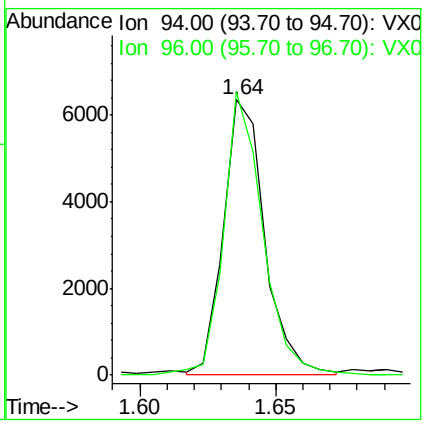





#5
Bromomethane
Concen: 6.39 ug/l
RT: 1.64 min Scan# 172
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 94 Resp: 6721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 102.8 | 76.2 | 114.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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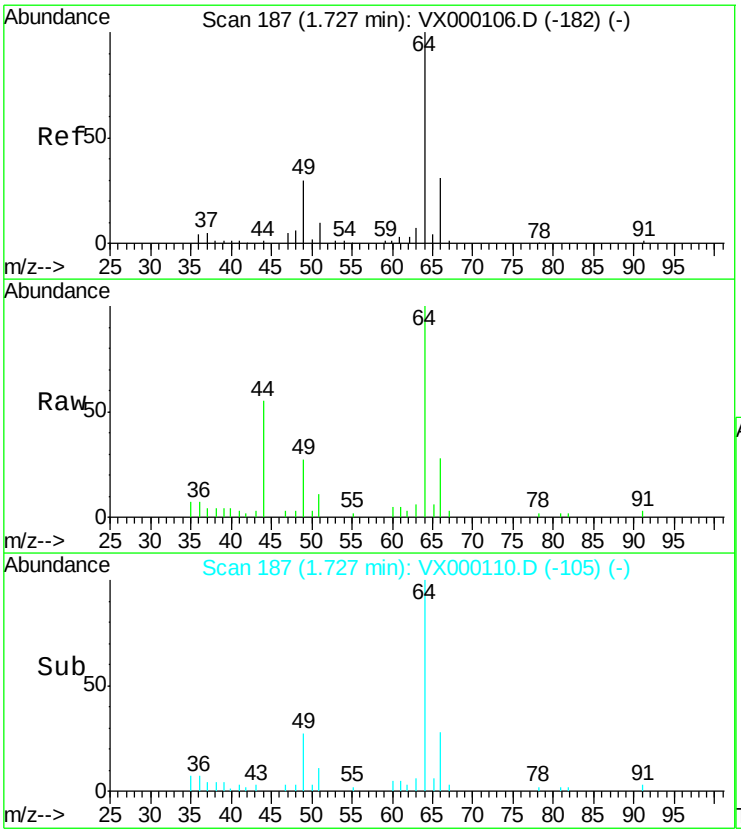
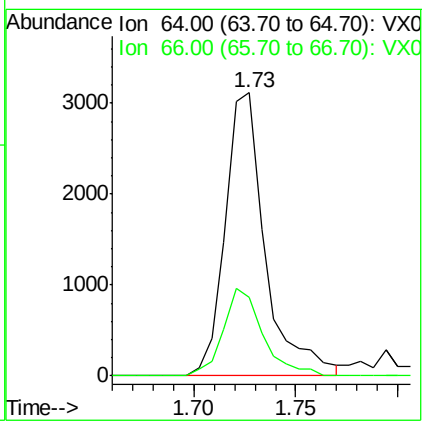
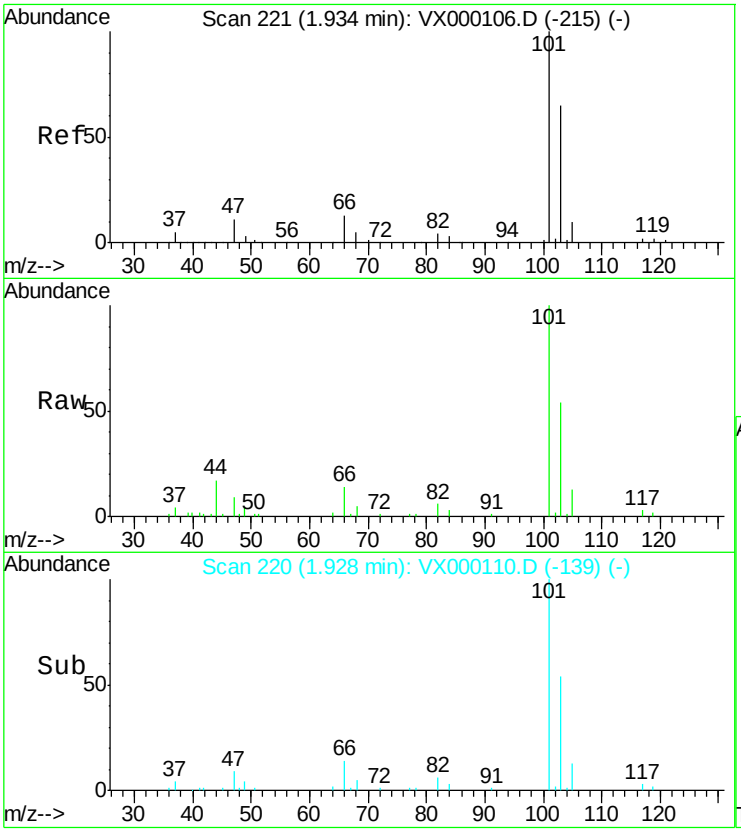



#6
Chloroethane
Concen: 5.78 ug/l
RT: 1.73 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 64 Resp: 4243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 27.8 | 25.2 | 37.8 |

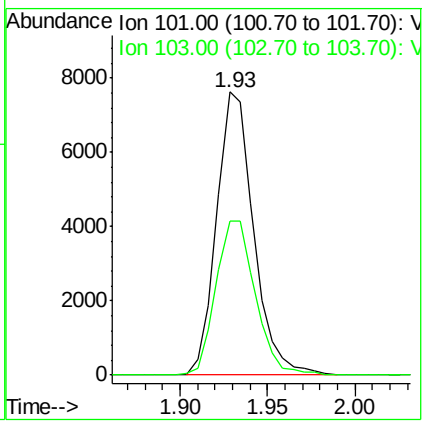





#7
Trichlorofluoromethane
Concen: 5.65 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:101 Resp: 11259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 54.5 | 52.2 | 78.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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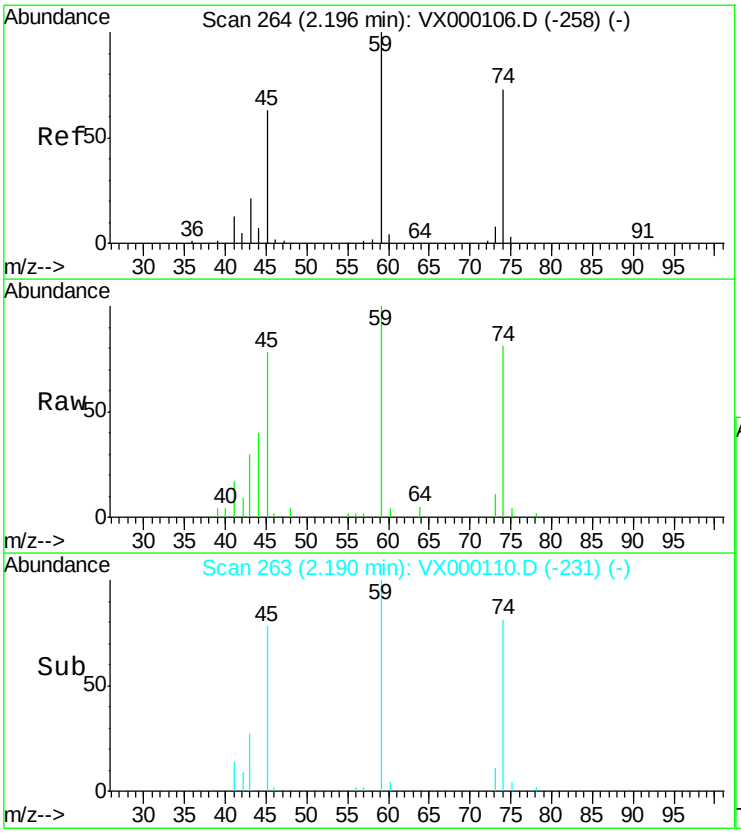
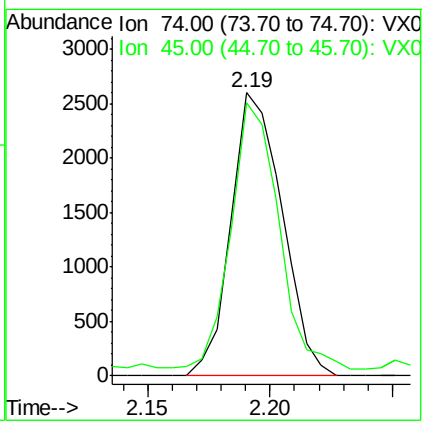
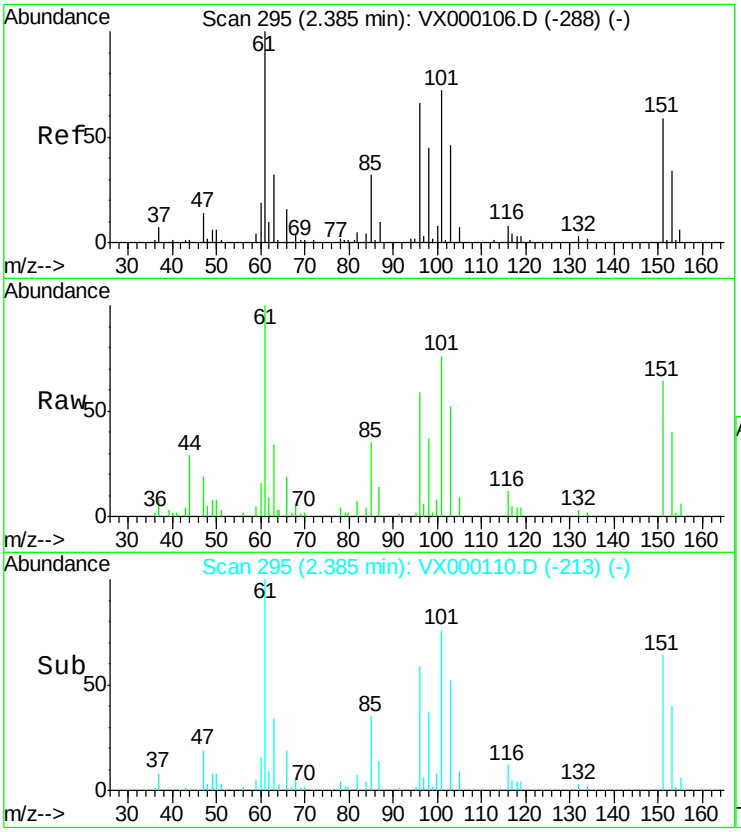



#8
Diethyl Ether
Concen: 5.18 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 74 Resp: 3773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.0 | 17.8 | 159.8 |

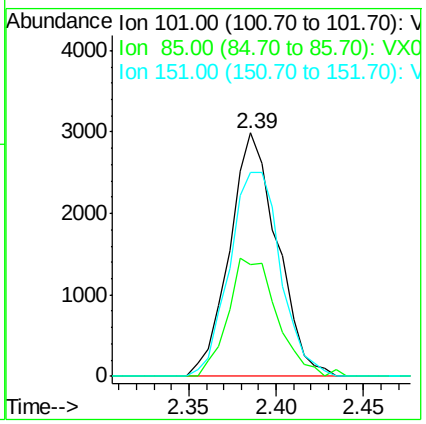





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.15 ug/l
RT: 2.39 min Scan# 295
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:101 Resp: 5677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.1 | 0.0 | 90.4 |
| 151 | 89.8 | 0.0 | 167.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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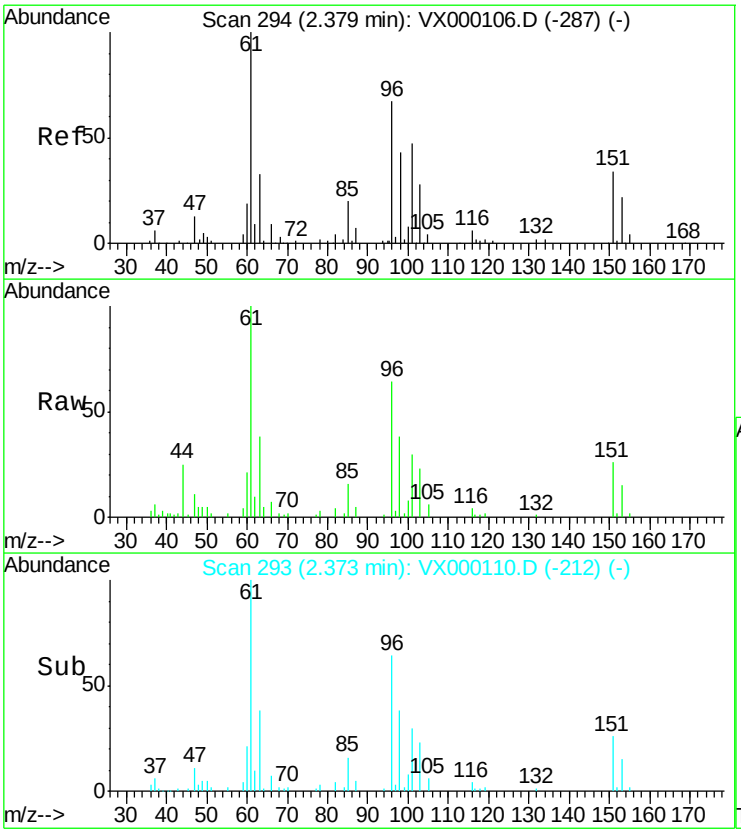
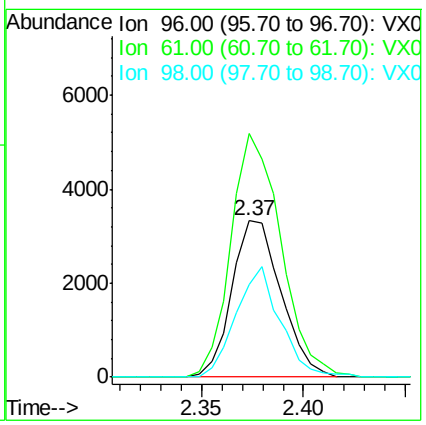
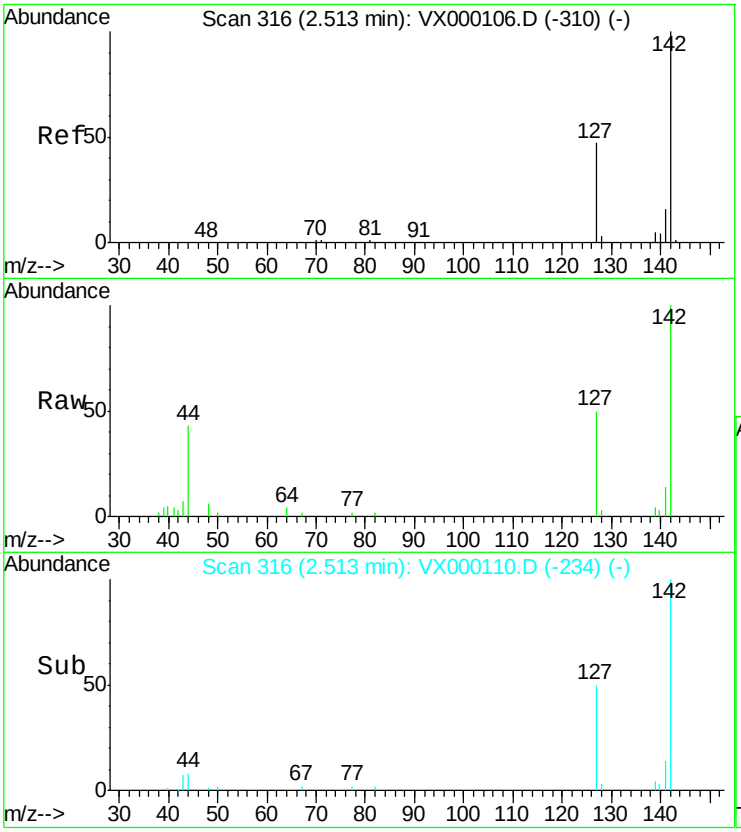



#10
1,1-Dichloroethene
Concen: 5.27 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 96 Resp: 5571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.7 | 118.6 | 178.0 |
| 98 | 58.9 | 51.0 | 76.6 |

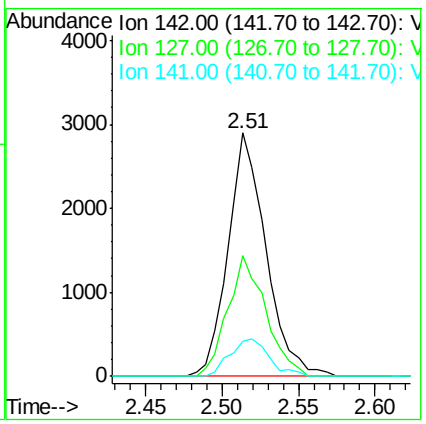





#11
Methyl Iodide
Concen: 5.86 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:142 Resp: 4983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 49.8 | 23.8 | 71.5 |
| 141 | 14.5 | 8.2 | 24.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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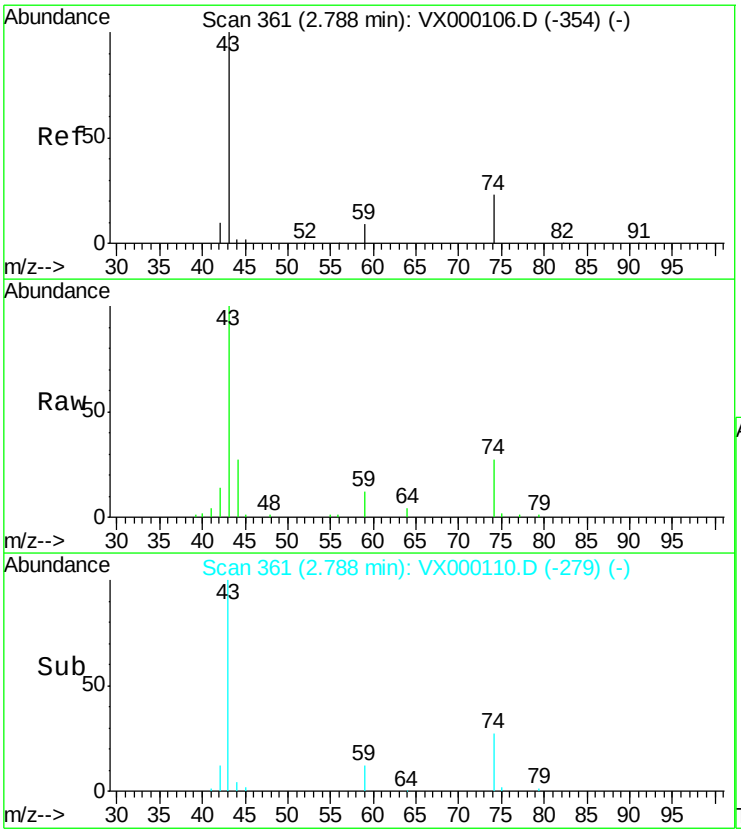
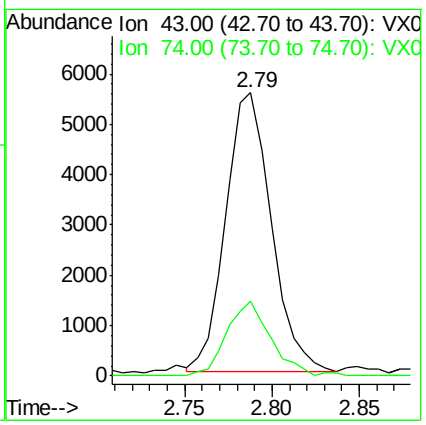
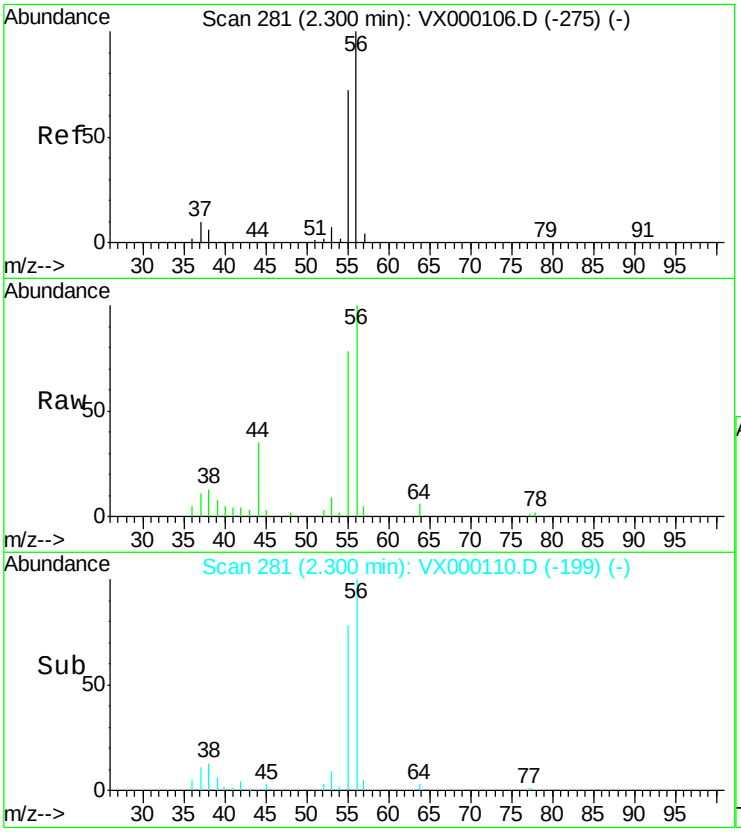



#12
Methyl Acetate
Concen: 5.33 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 10041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.5 | 18.6 | 27.8 |

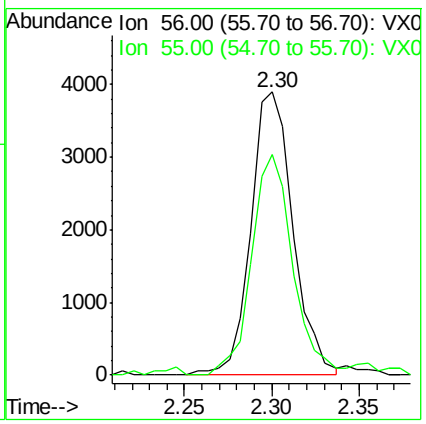





#13
Acrolein
Concen: 30.31 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 56 Resp: 6524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 75.8 | 57.3 | 85.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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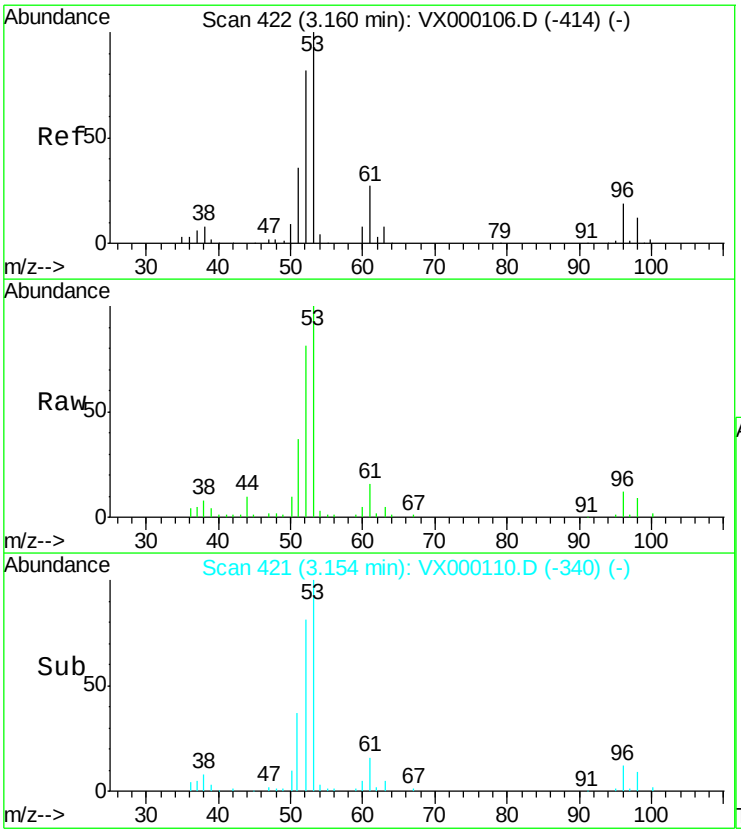
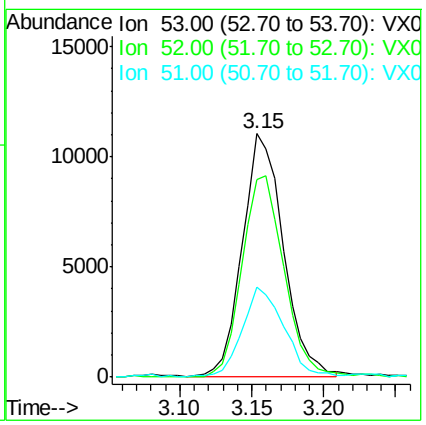
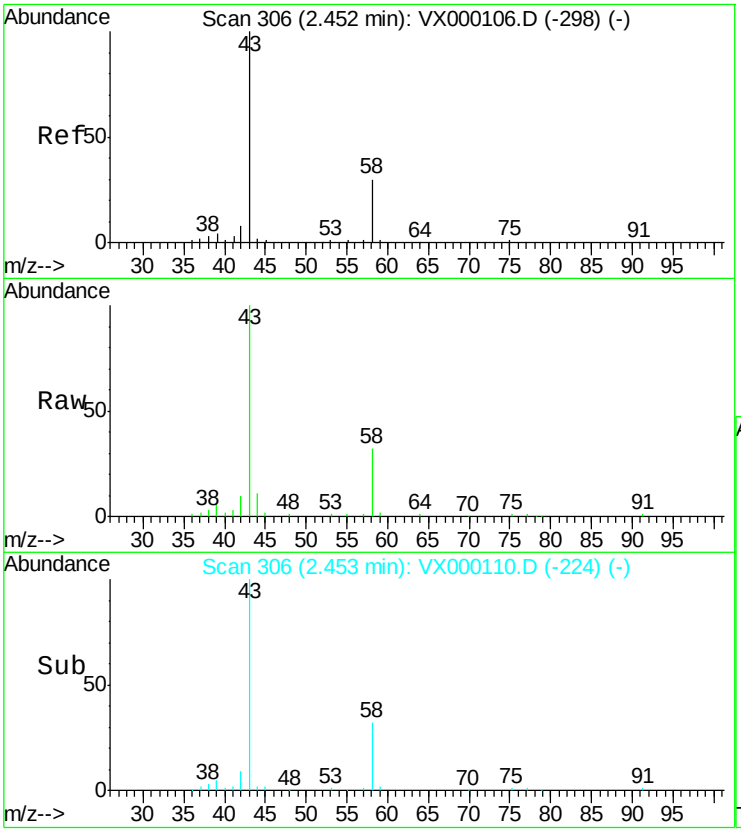



#14
Acrylonitrile
Concen: 26.71 ug/l
RT: 3.15 min Scan# 421
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 53 Resp: 21874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.1 | 41.9 | 125.8 |
| 51 | 37.6 | 18.8 | 56.3 |






#15
Acetone
Concen: 25.46 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 58 Resp: 7107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 307.5 | 264.6 | 396.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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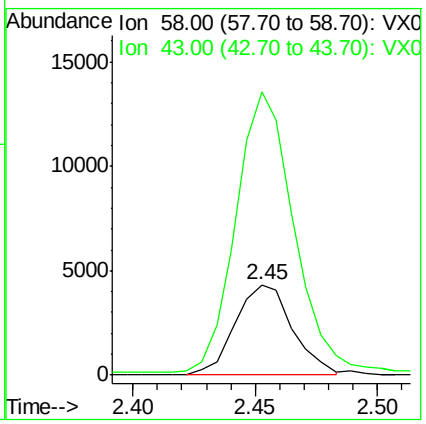
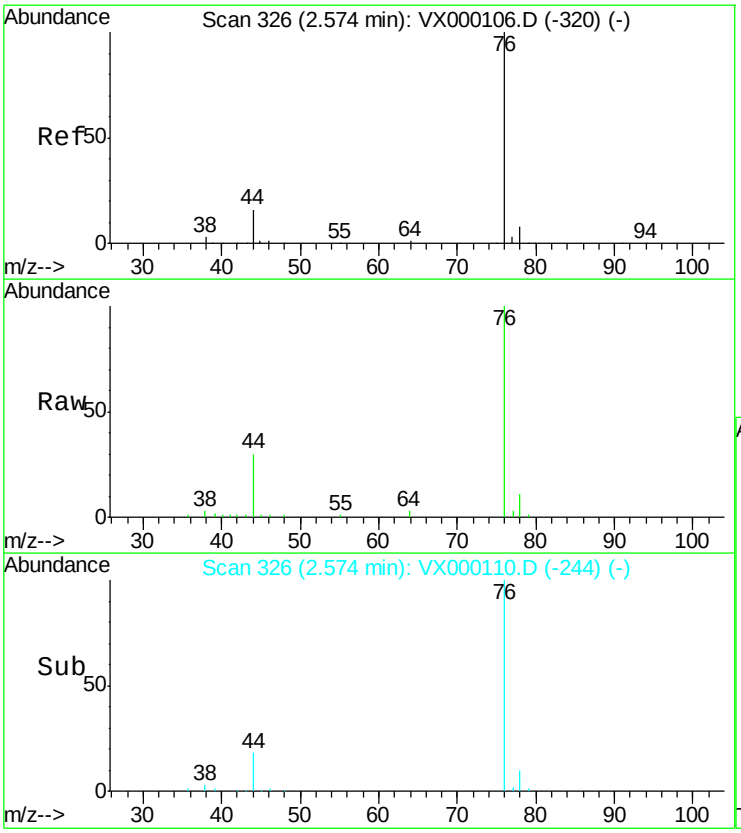
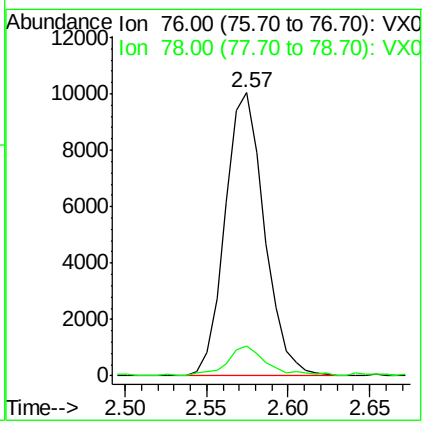


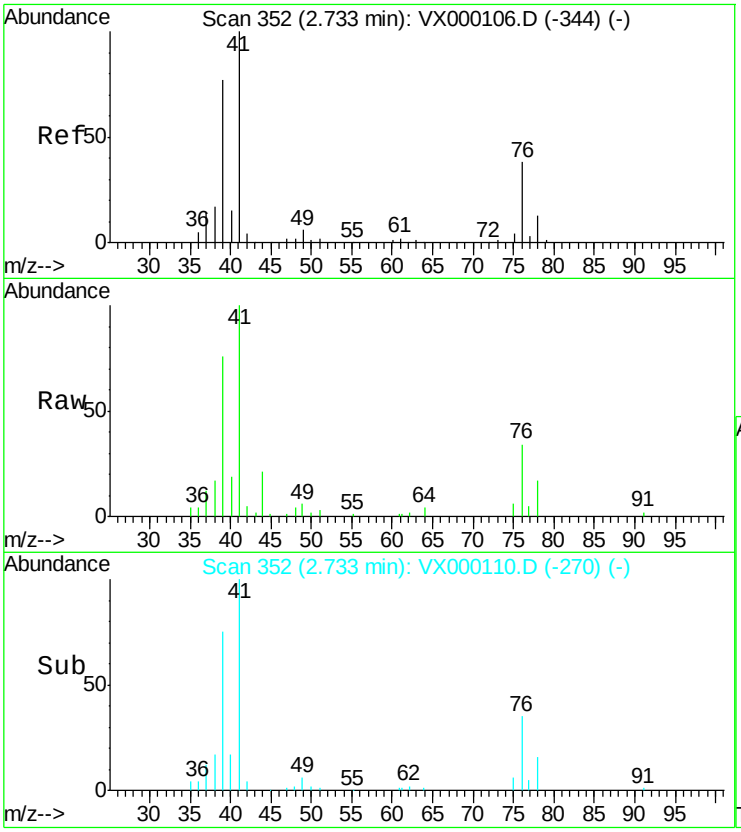




#16
Carbon Disulfide
Concen: 5.66 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 76 Resp: 16837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.6 | 6.8 | 10.2# |

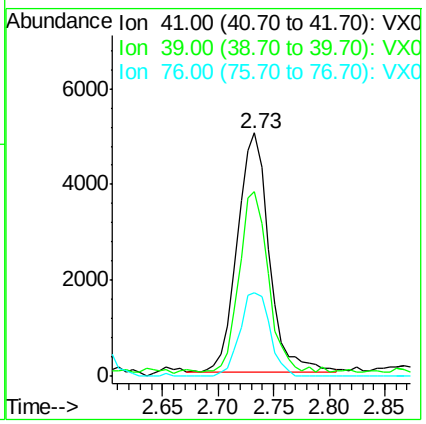





#17
Allyl chloride
Concen: 5.62 ug/l
RT: 2.73 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 41 Resp: 9995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.7 | 38.5 | 115.5 |
| 76 | 34.7 | 18.7 | 56.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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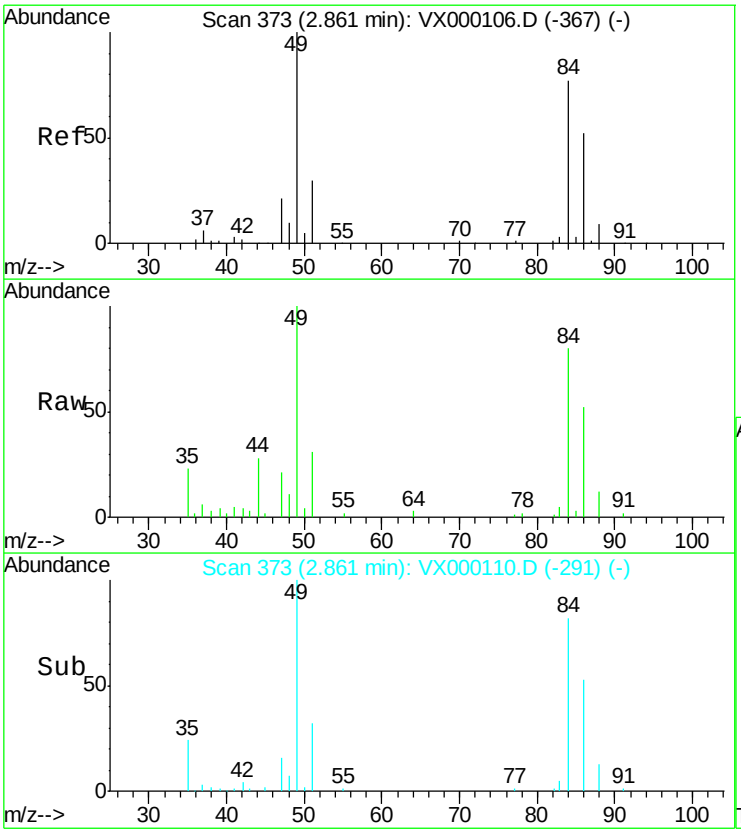
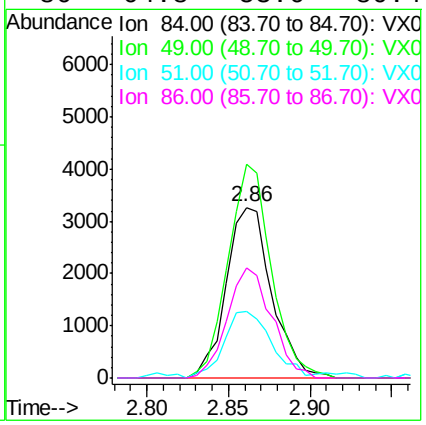
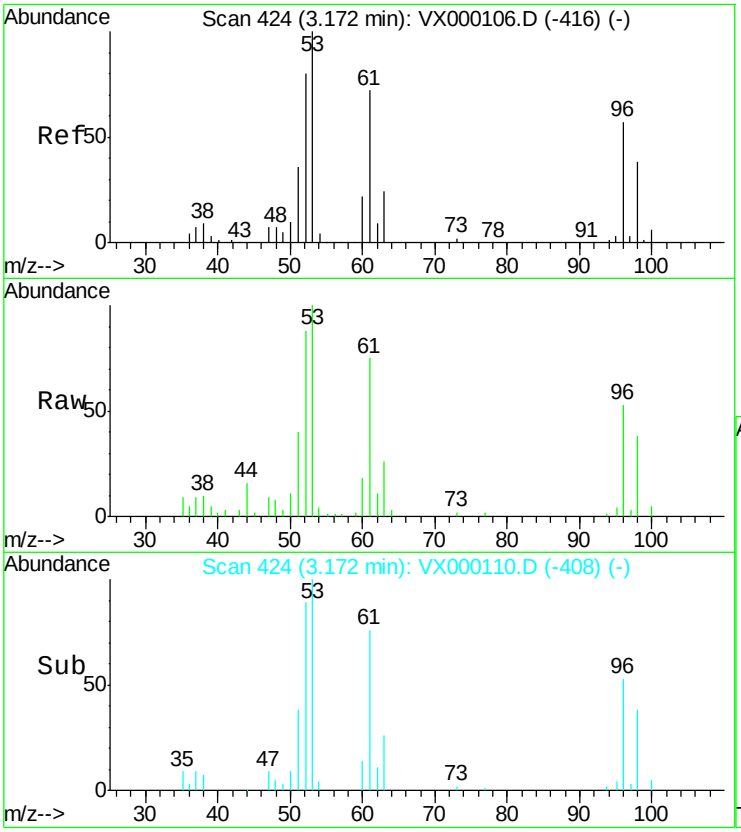



#18
Methylene Chloride
Concen: 5.63 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 84 Resp: 6346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.0 | 103.3 | 154.9 |
| 51 | 38.7 | 31.2 | 46.8 |
| 86 | 64.8 | 53.6 | 80.4 |

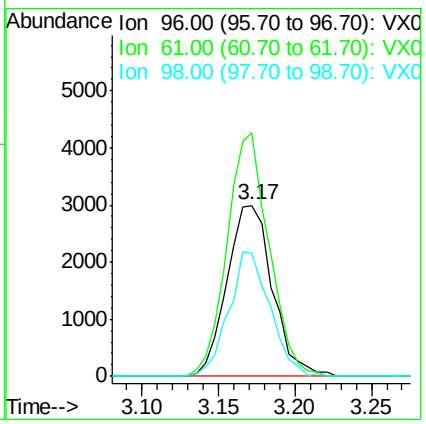





#19
trans-1,2-Dichloroethene
Concen: 5.45 ug/l
RT: 3.17 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 96 Resp: 6194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.3 | 101.0 | 151.6 |
| 98 | 72.0 | 53.3 | 79.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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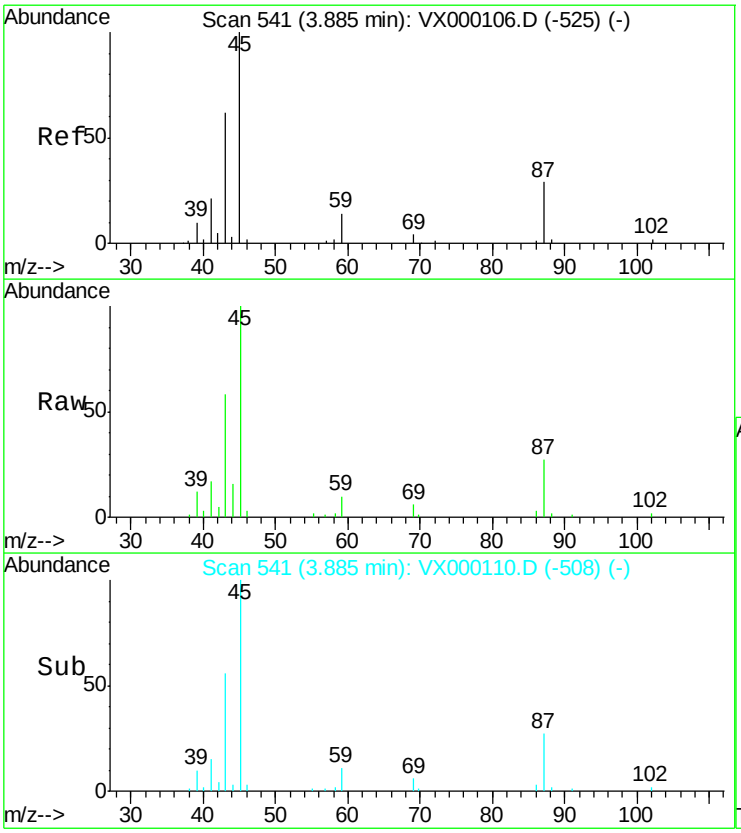
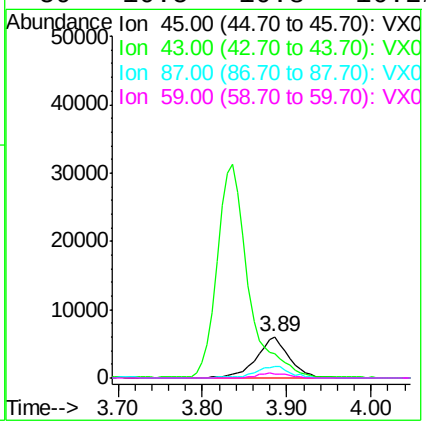
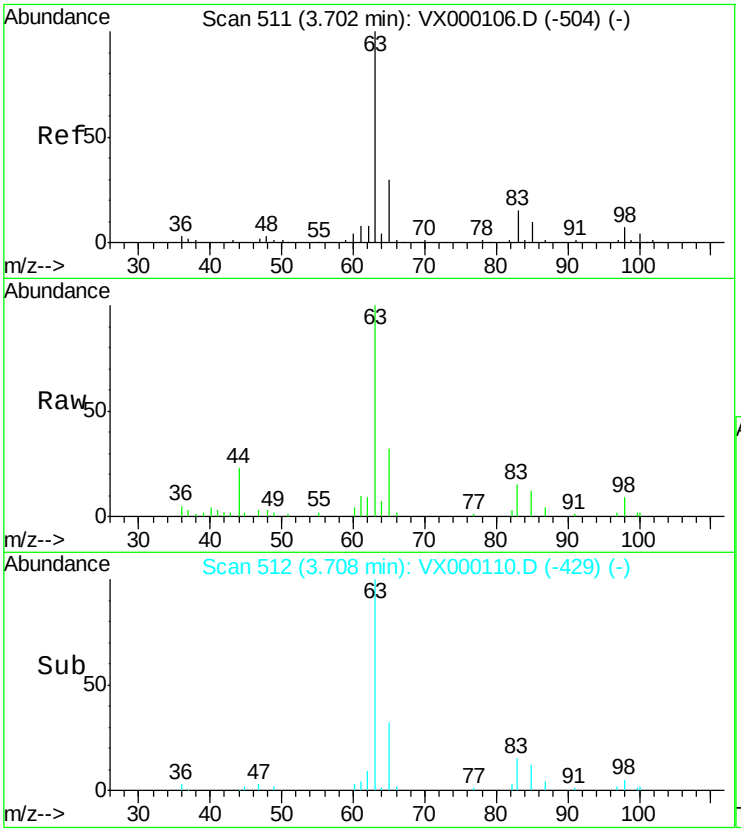



#20
Diisopropyl ether
Concen: 5.85 ug/l
RT: 3.89 min Scan# 541
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 45 Resp: 15895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 55.6 | 49.6 | 74.4 |
| 87 | 27.3 | 23.1 | 34.7 |
| 59 | 10.5 | 10.8 | 16.2# |

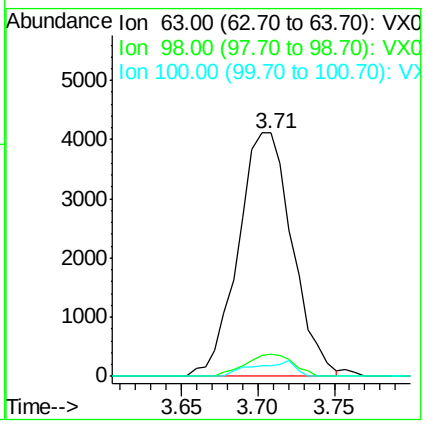





#21
1,1-Dichloroethane
Concen: 5.23 ug/l
RT: 3.71 min Scan# 512
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 63 Resp: 10099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 9.2 | 3.3 | 9.9 |
| 100 | 4.6 | 2.1 | 6.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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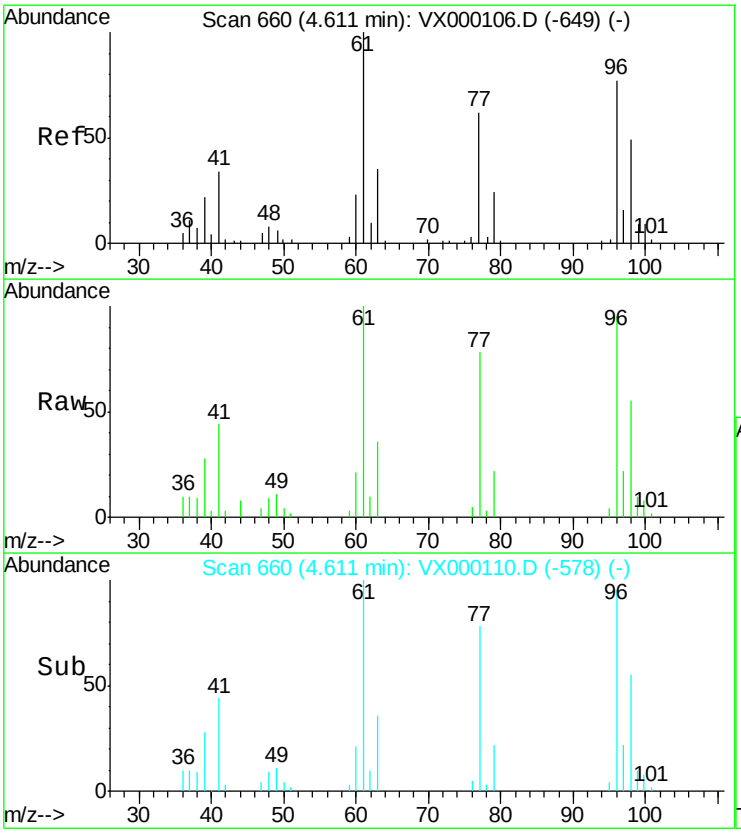
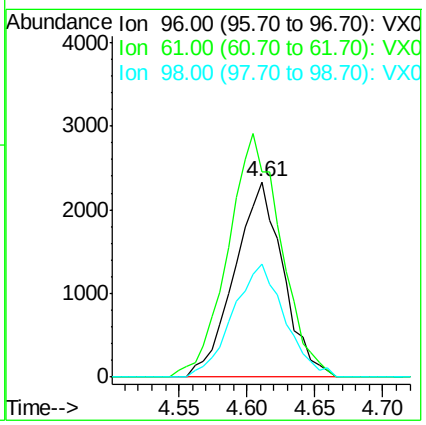
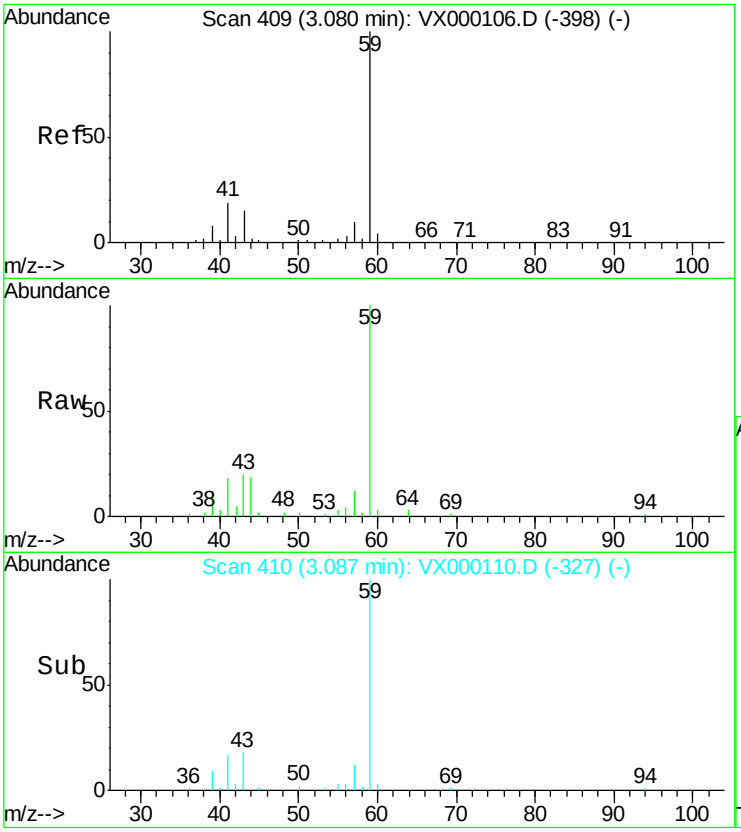



#22
cis-1,2-Dichloroethene
Concen: 5.52 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 96 Resp: 5835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.2 | 113.5 | 170.3 |
| 98 | 61.9 | 51.8 | 77.8 |






#23
tert-Butyl Alcohol
Concen: 27.32 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 59 Resp: 13014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 52 | 0.0 | 0.1 | 0.1# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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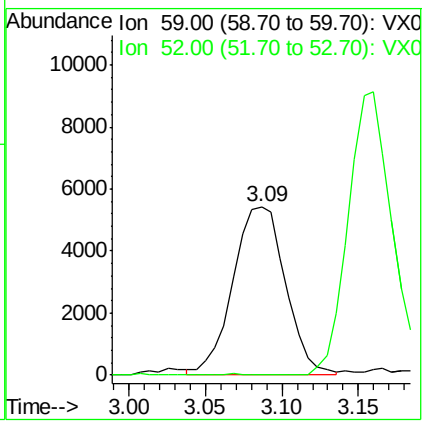
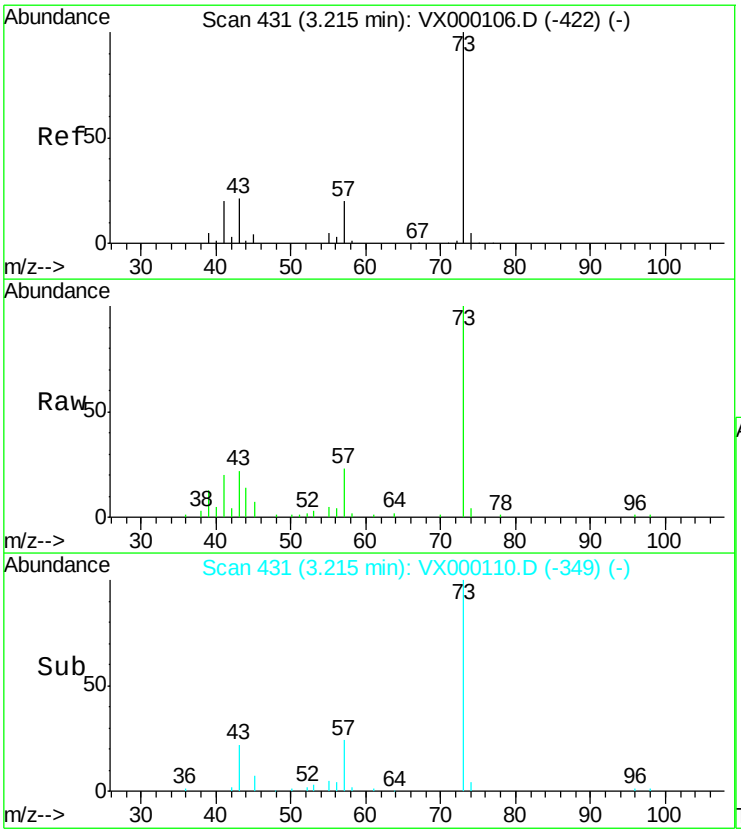
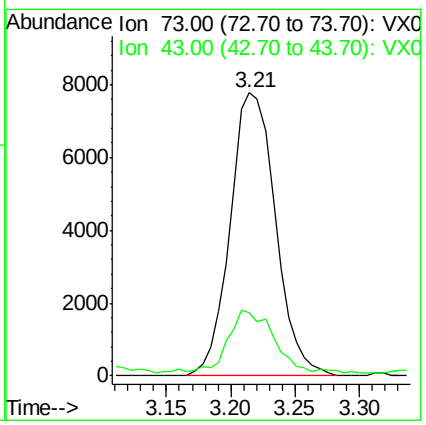


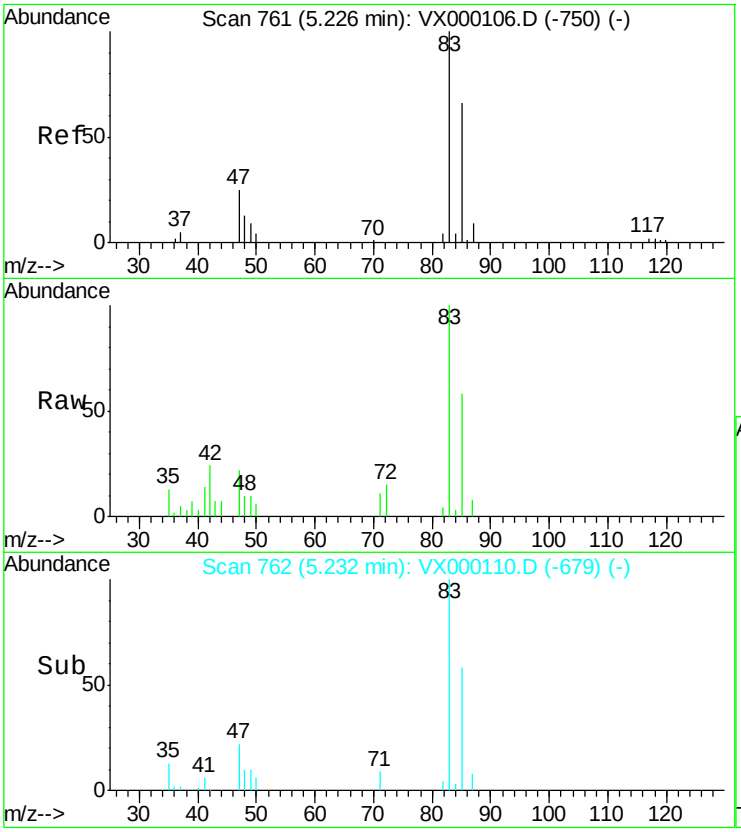




#24
Methyl tert-Butyl Ether
Concen: 5.26 ug/l
RT: 3.21 min Scan# 431
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 73 Resp: 19033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 21.4 | 16.5 | 24.7 |

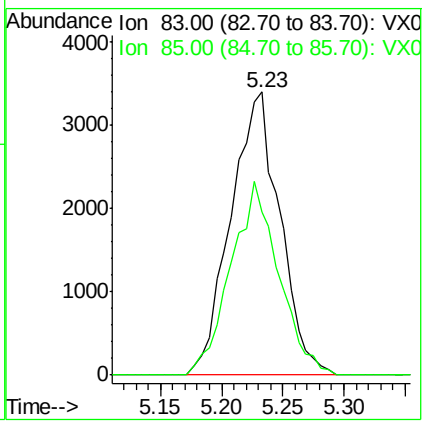





#25
Chloroform
Concen: 5.19 ug/l
RT: 5.23 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 83 Resp: 9499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 57.5 | 52.5 | 78.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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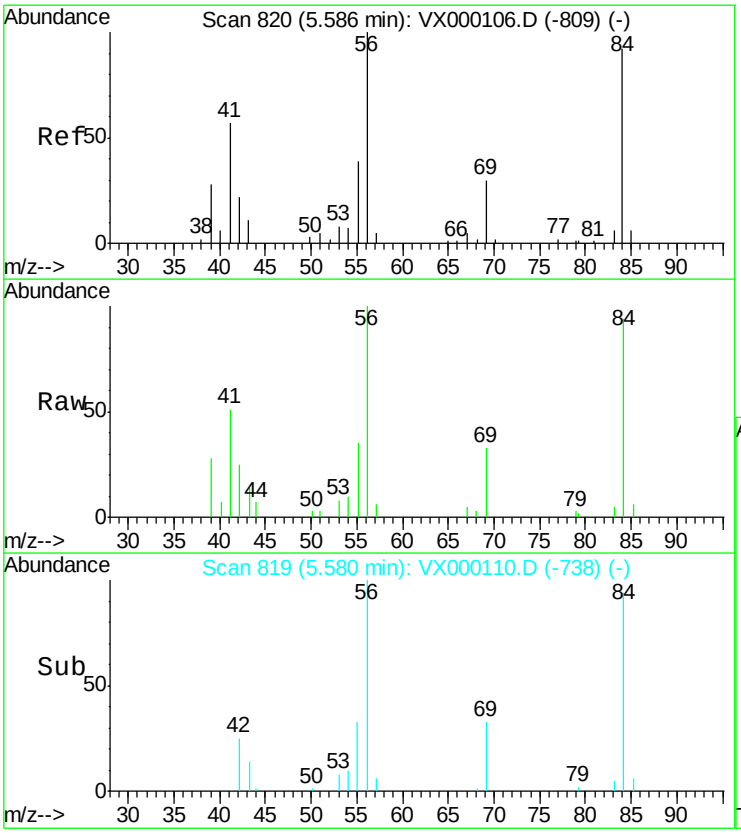
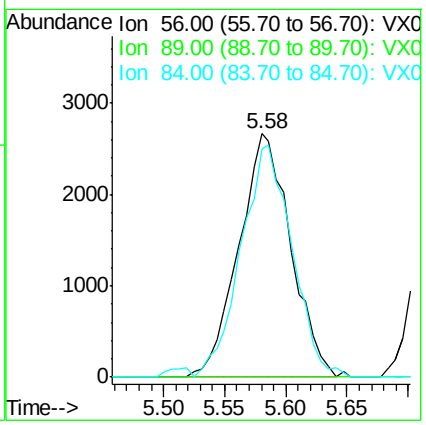
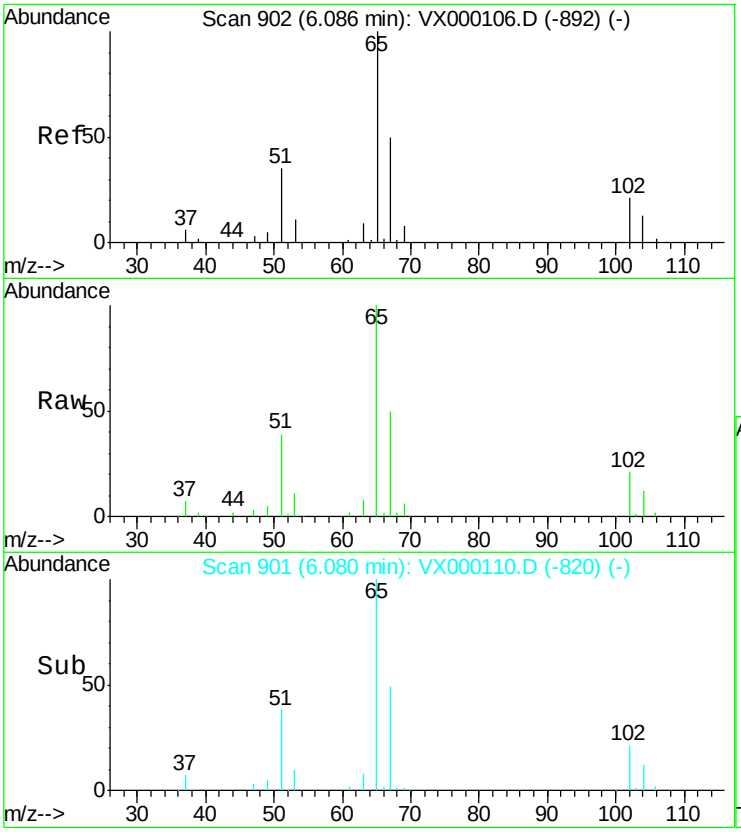



#26
Cyclohexane
Concen: 5.44 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 56 Resp: 7831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 89 | 0.0 | 0.0 | 0.0 |
| 84 | 94.2 | 74.8 | 112.2 |

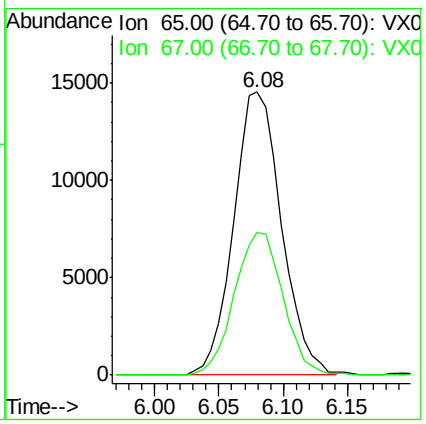





#27
1,2-Dichloroethane-d4
Concen: 30.96 ug/l
RT: 6.08 min Scan# 901
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 65 Resp: 37508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 41.4 | 62.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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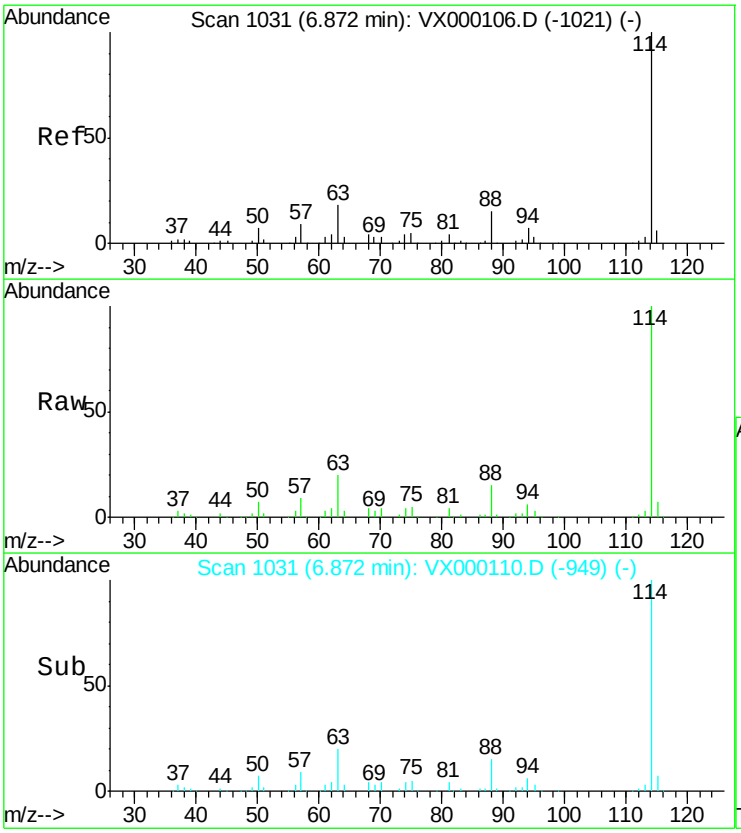
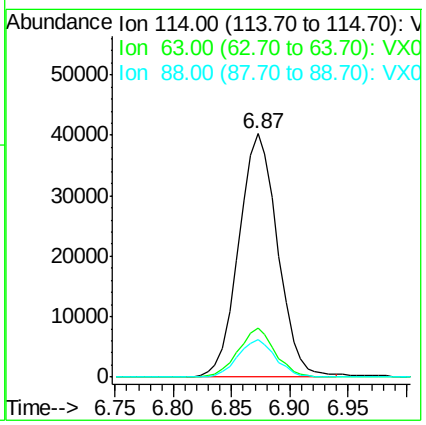
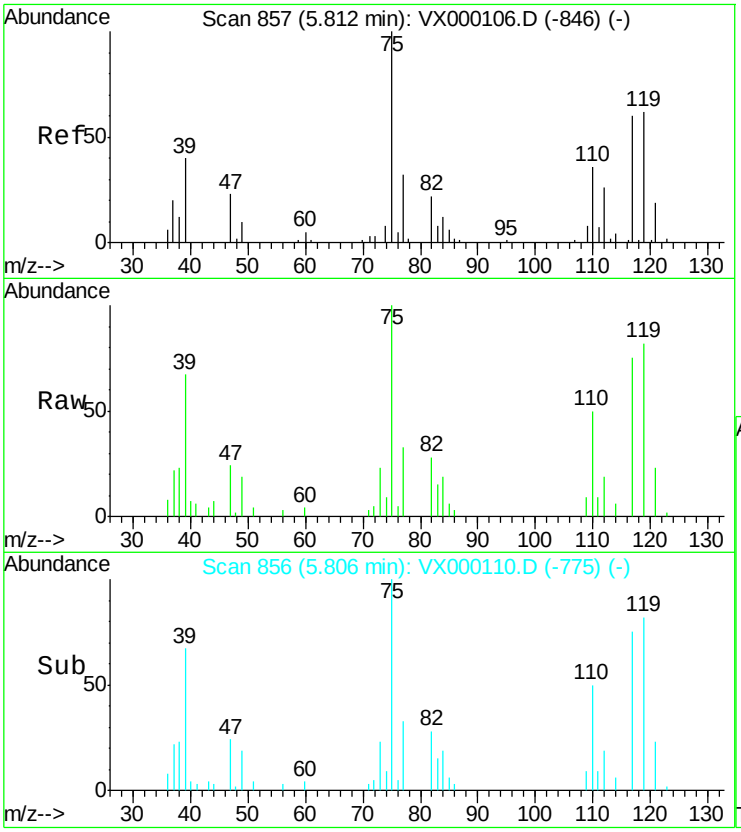



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:114 Resp: 93914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 15.0 | 22.4 |
| 88 | 14.8 | 11.8 | 17.8 |

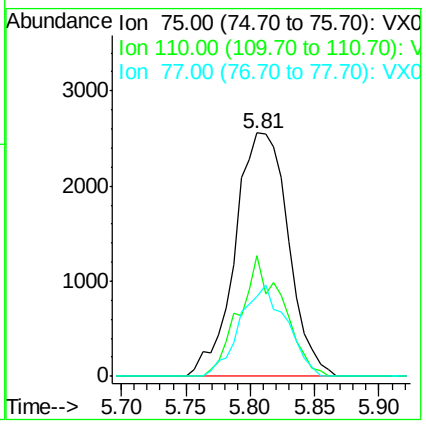





#29
1,1-Dichloropropene
Concen: 5.41 ug/l
RT: 5.81 min Scan# 856
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 7330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 24.6 | 0.0 | 75.6 |
| 77 | 33.0 | 0.0 | 62.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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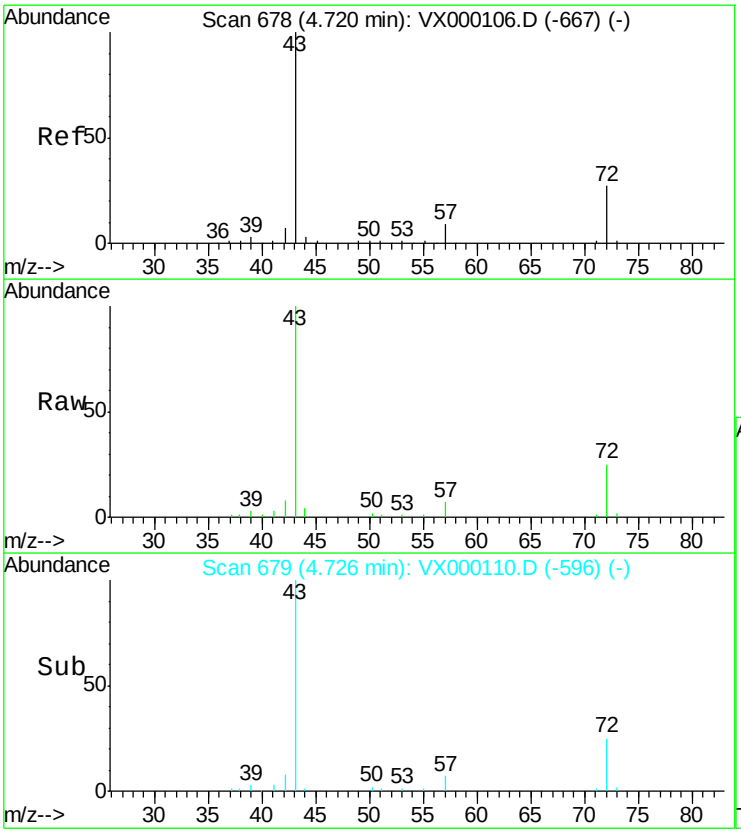
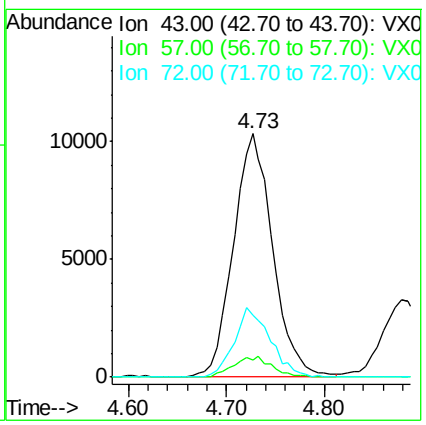
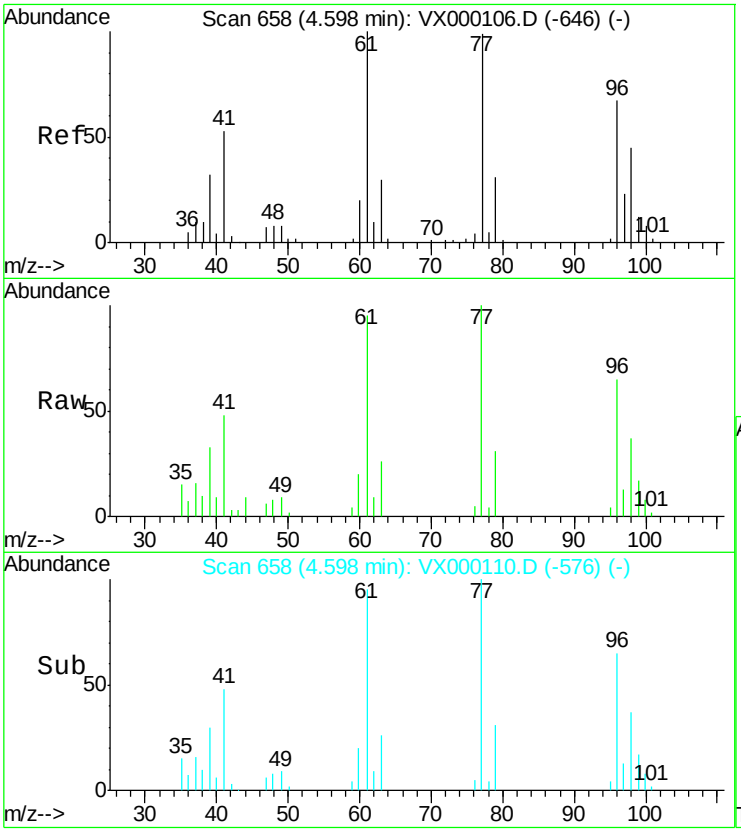



#30
2-Butanone
Concen: 26.73 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 28904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 4.4 | 6.6 | 10.0# |
| 72 | 25.8 | 21.8 | 32.6 |






#31
2,2-Dichloropropane
Concen: 5.38 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 77 Resp: 7861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 9.6 | 18.6 | 27.8# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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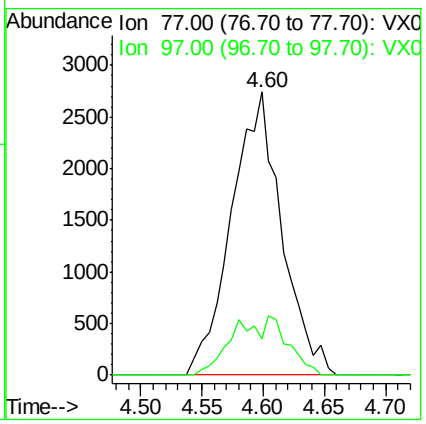
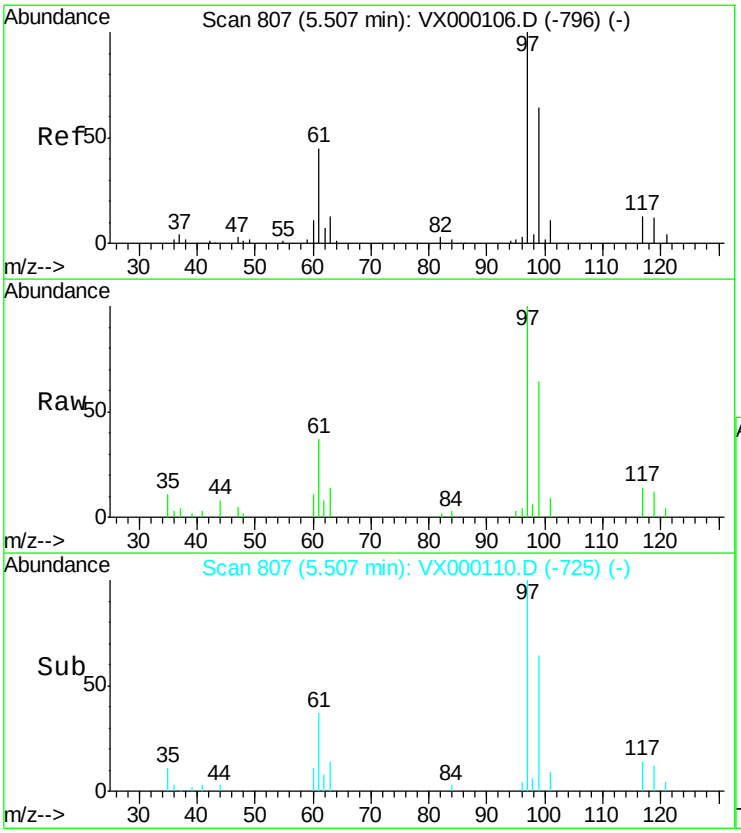
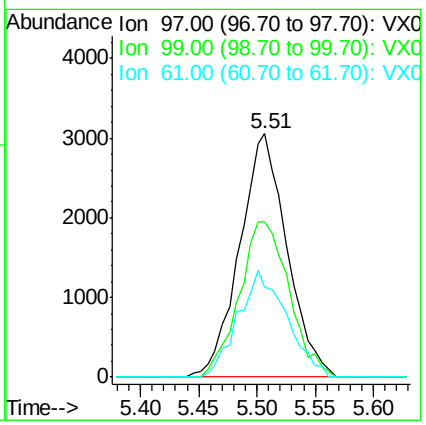


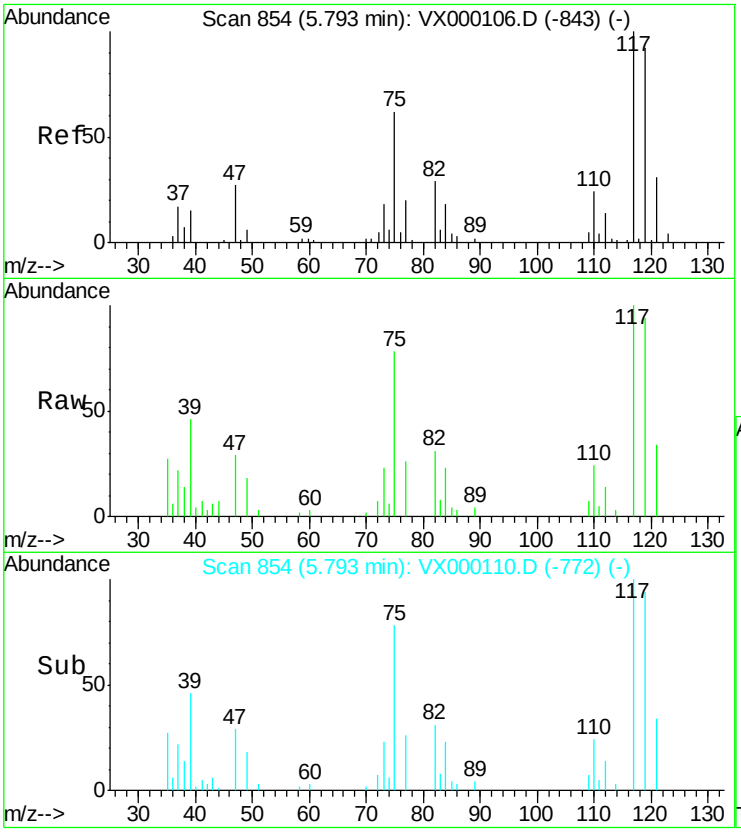




#32
1,1,1-Trichloroethane
Concen: 5.23 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 97 Resp: 8609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 67.2 | 52.3 | 78.5 |
| 61 | 44.7 | 34.3 | 51.5 |

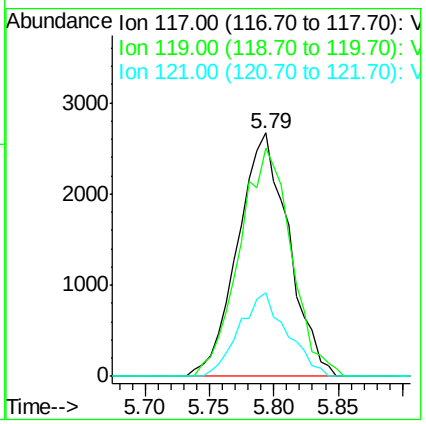





#33
Carbon Tetrachloride
Concen: 5.03 ug/l
RT: 5.79 min Scan# 854
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:117 Resp: 7311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.9 | 73.5 | 110.3 |
| 121 | 34.3 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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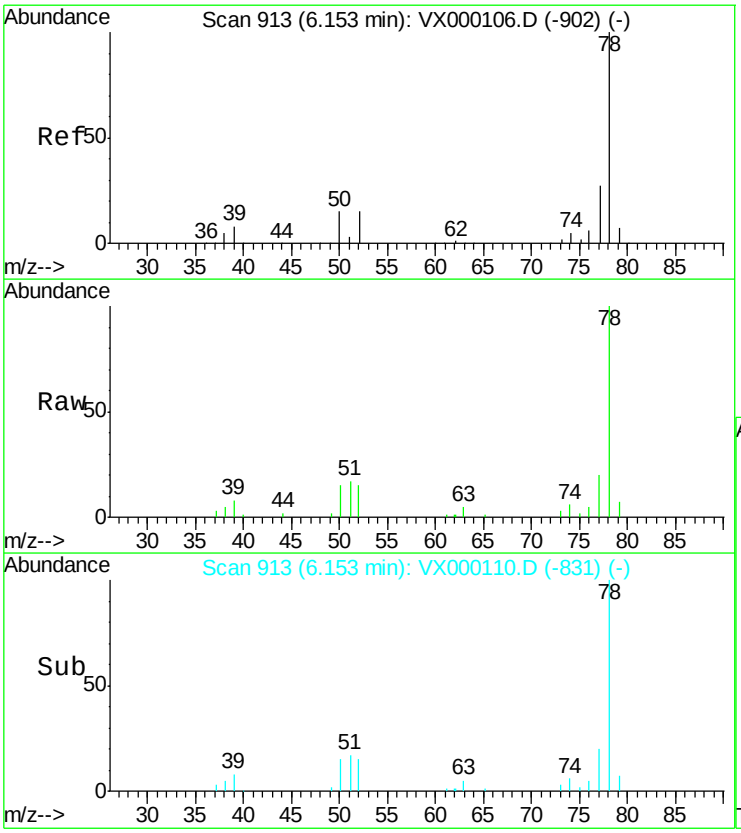
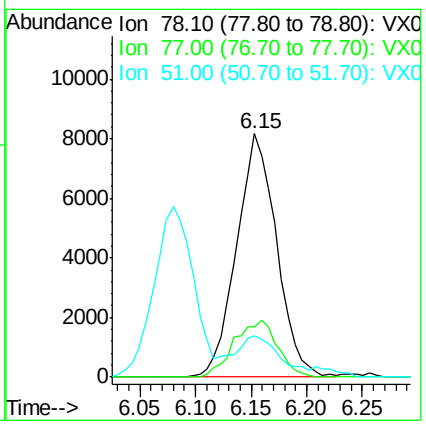
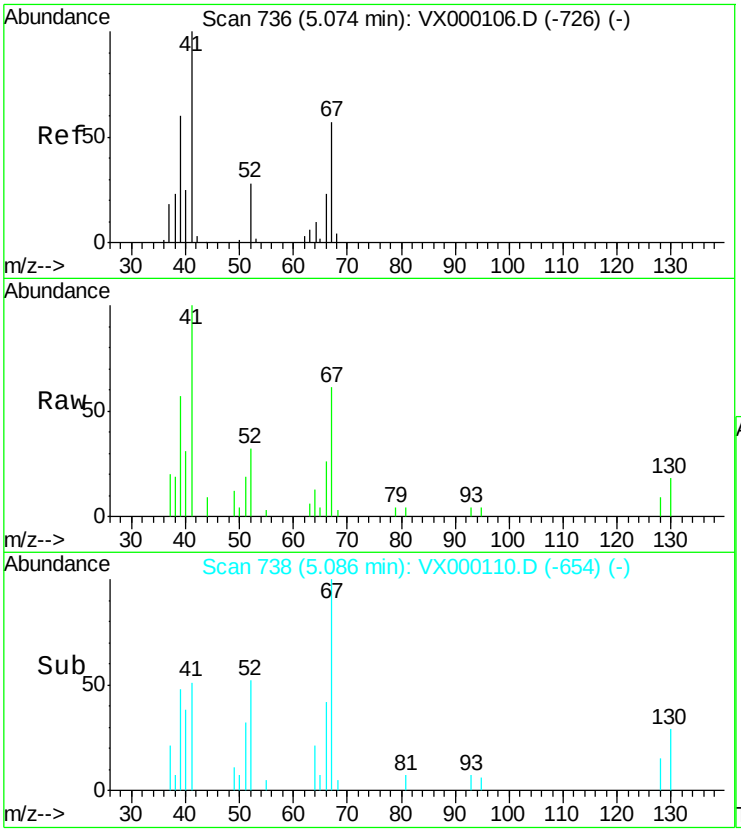



#34
Benzene
Concen: 5.15 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 78 Resp: 20391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 20.5 | 21.7 | 32.5# |
| 51 | 14.8 | 14.9 | 22.3# |

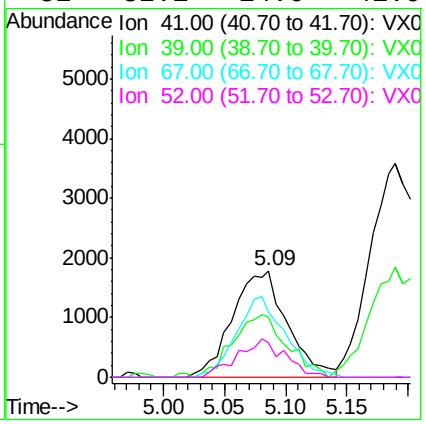





#35
Methacrylonitrile
Concen: 5.75 ug/l
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 41 Resp: 5542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.0 | 29.8 | 89.3 |
| 67 | 61.3 | 28.7 | 86.3 |
| 52 | 32.1 | 14.0 | 41.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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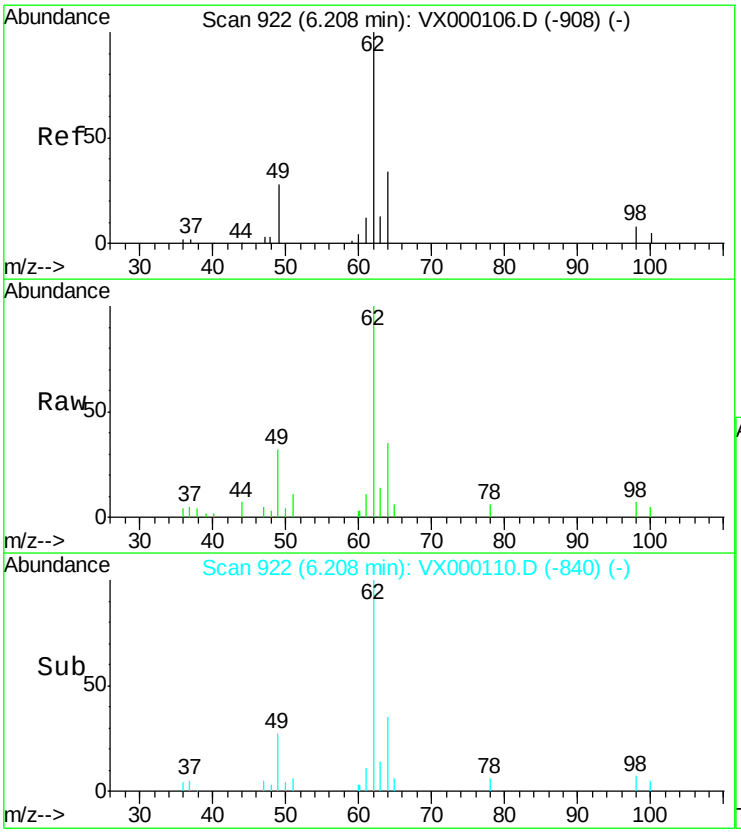
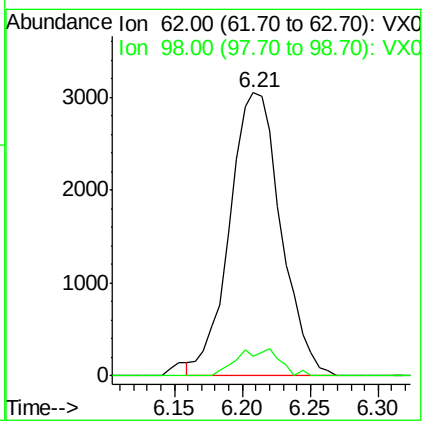
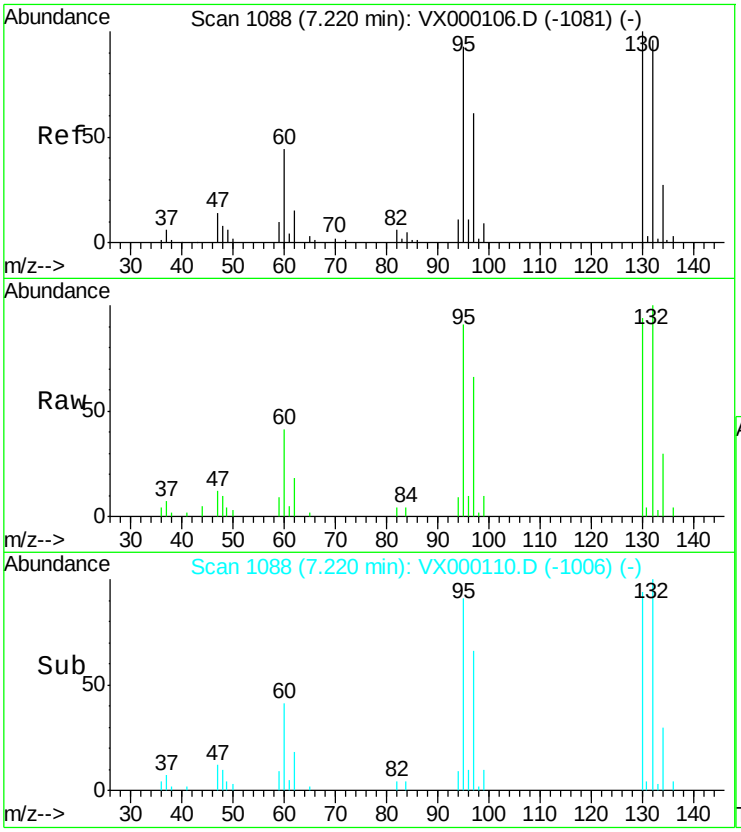



#36
1,2-Dichloroethane
Concen: 5.39 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 62 Resp: 8046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 3.9 | 6.9 | 10.3# |

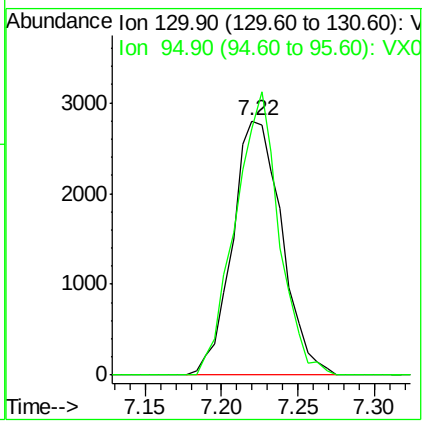





#37
Trichloroethene
Concen: 5.35 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:130 Resp: 6292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.0 | 74.6 | 112.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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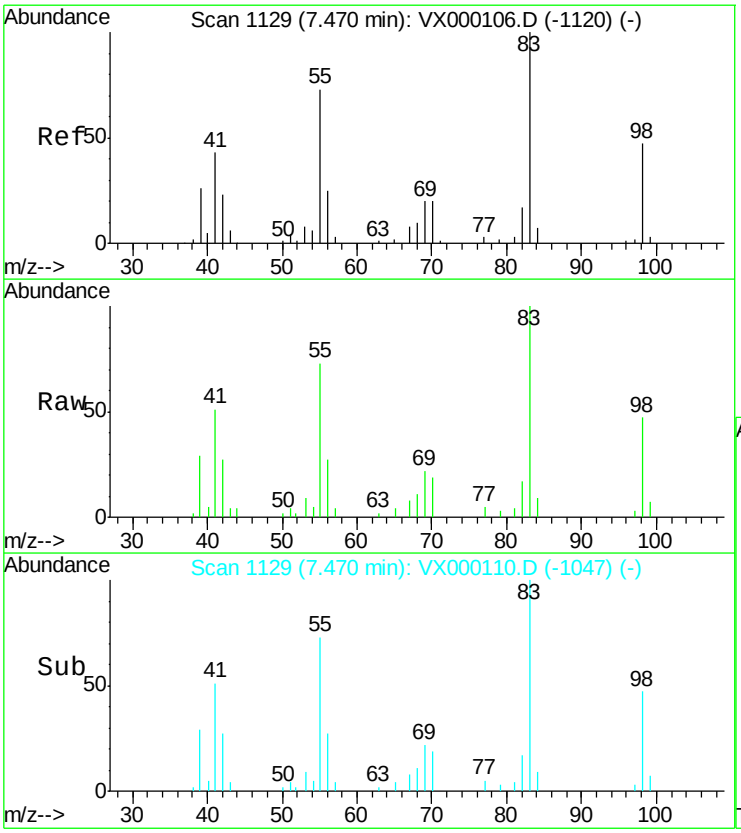
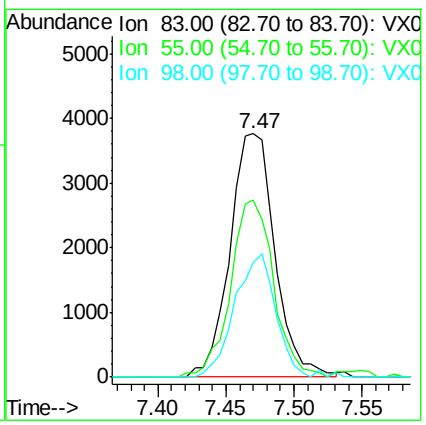
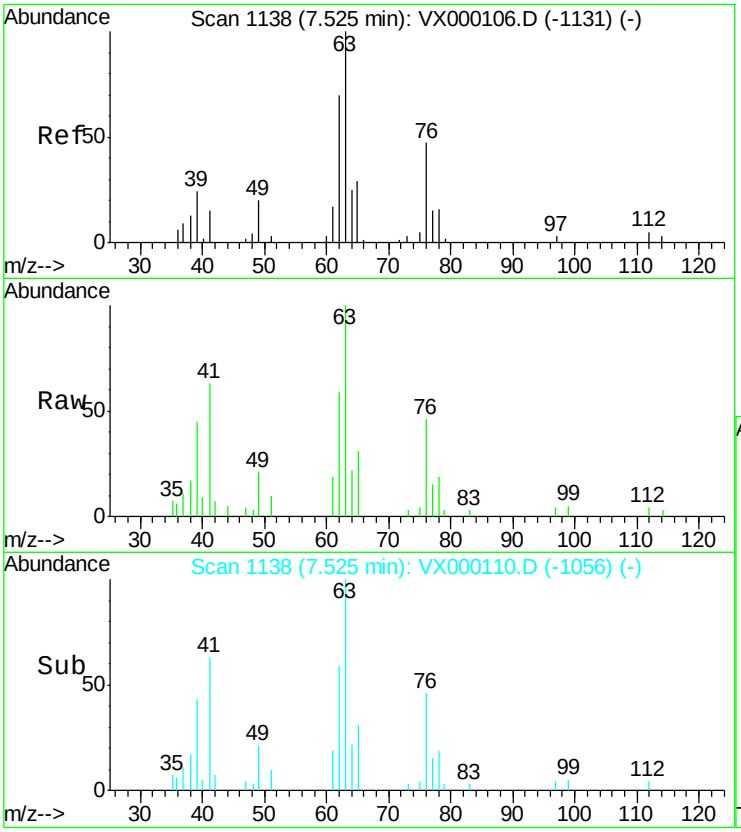



#38
Methylcyclohexane
Concen: 5.44 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 83 Resp: 8682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 69.6 | 35.9 | 107.7 |
| 98 | 46.0 | 24.6 | 74.0 |

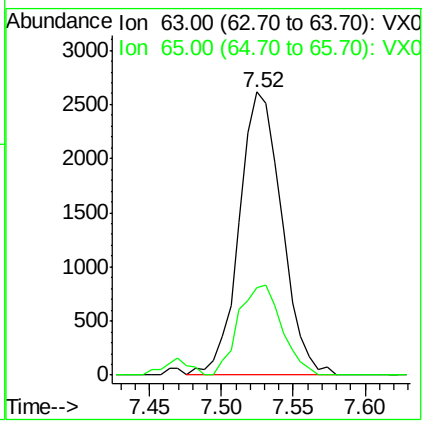





#39
1,2-Dichloropropane
Concen: 5.37 ug/l
RT: 7.52 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 63 Resp: 5364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.0 | 25.0 | 37.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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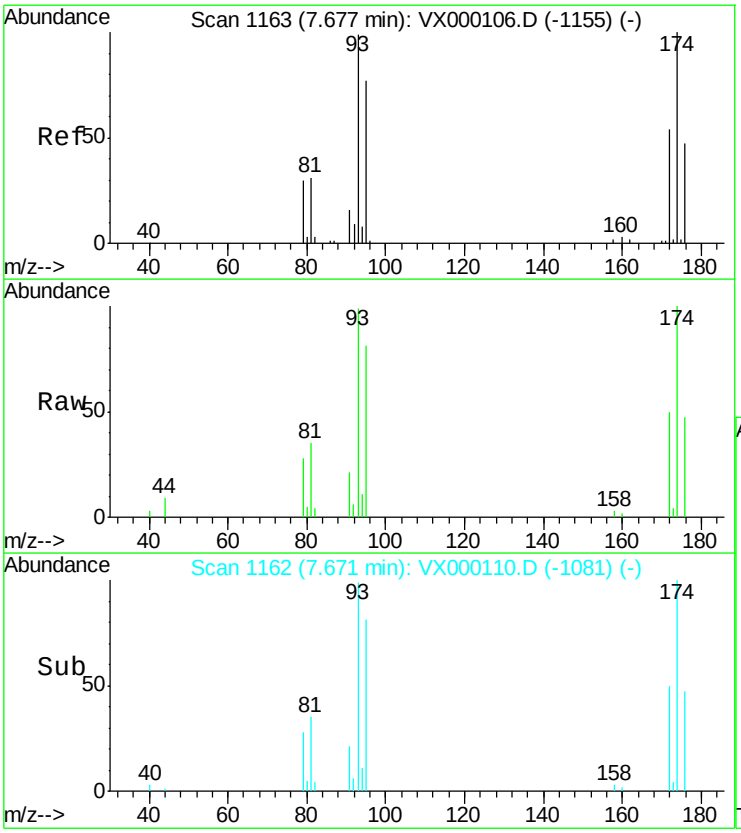
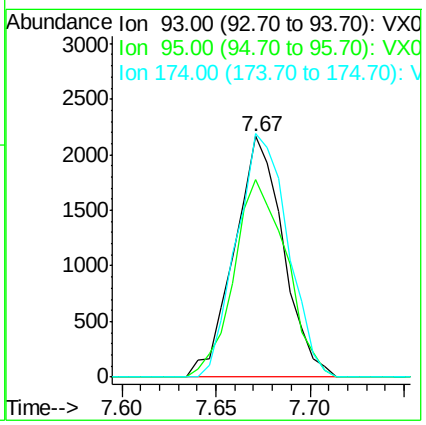
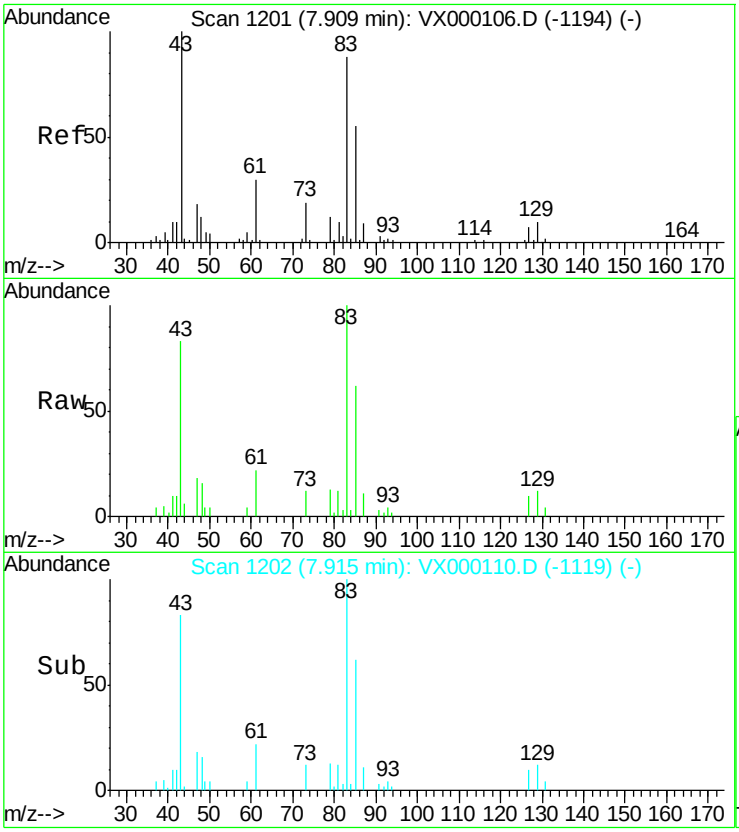



#40
Dibromomethane
Concen: 5.19 ug/l
RT: 7.67 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 93 Resp: 3900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 87.8 | 0.0 | 170.6 |
| 174 | 105.9 | 0.0 | 210.4 |

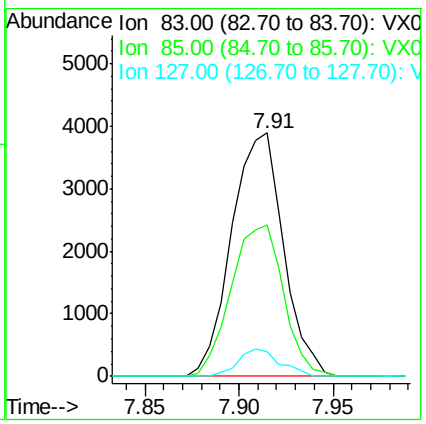





#41
Bromodichloromethane
Concen: 5.13 ug/l
RT: 7.91 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 83 Resp: 7428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 50.0 | 75.0 |
| 127 | 10.0 | 6.6 | 10.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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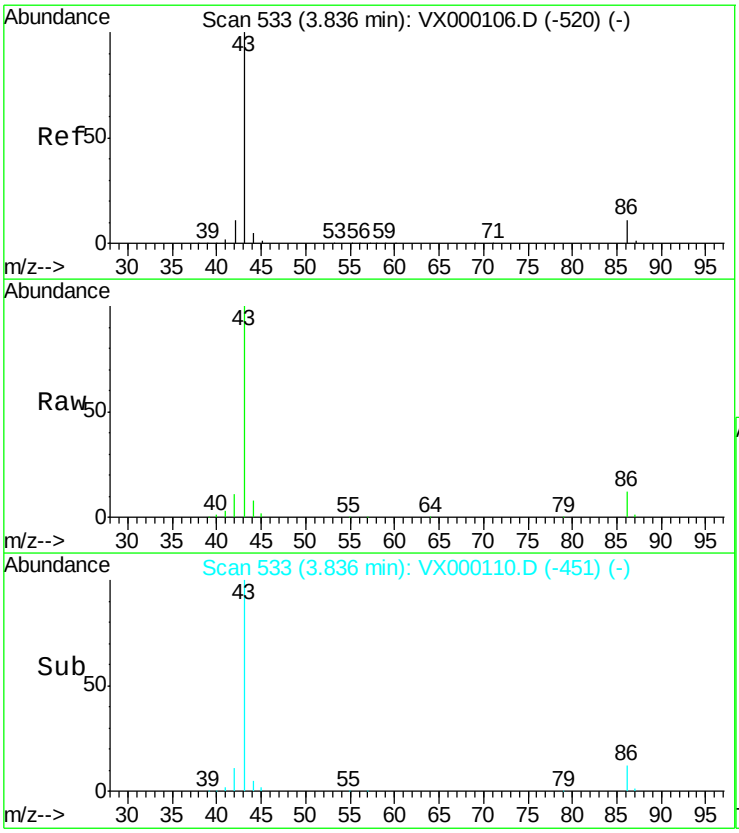
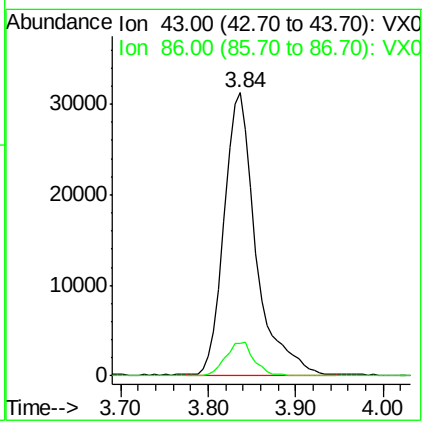
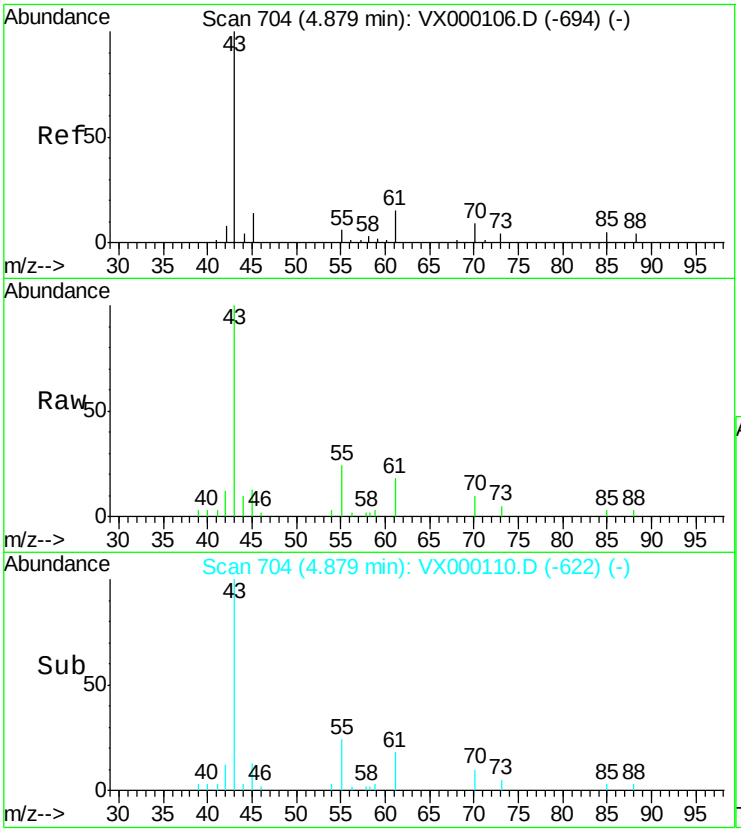



#42
Vinyl Acetate
Concen: 30.44 ug/l
RT: 3.84 min Scan# 533
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 79145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 7.8 | 11.6 |






#43
Ethyl Acetate
Concen: 5.38 ug/l
RT: 4.88 min Scan# 704
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 10169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 3.7 | 11.4 | 17.0# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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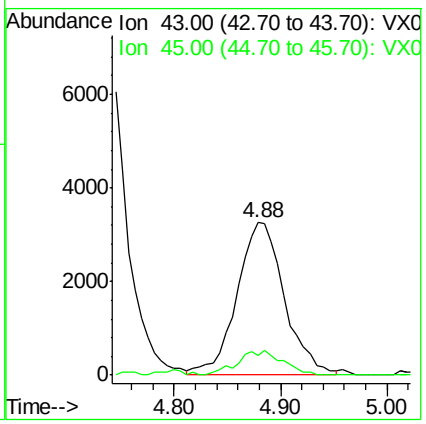
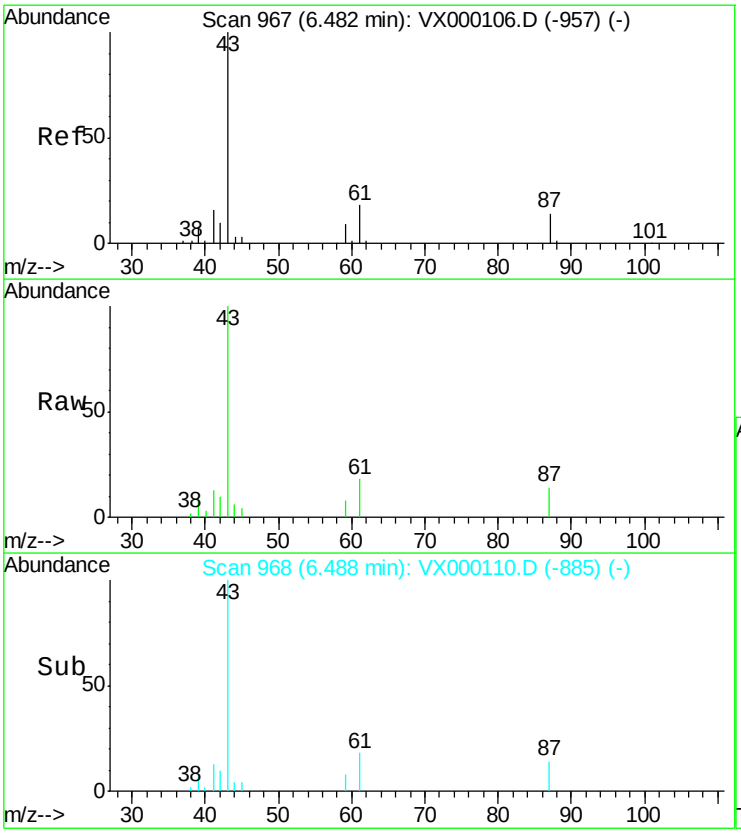
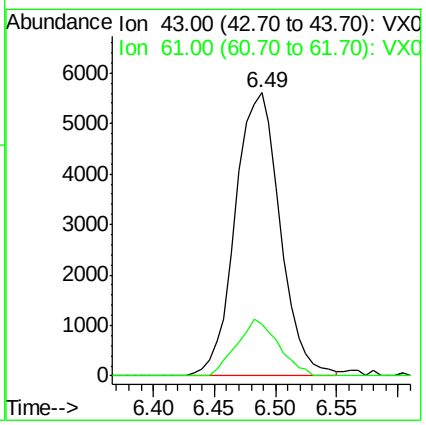


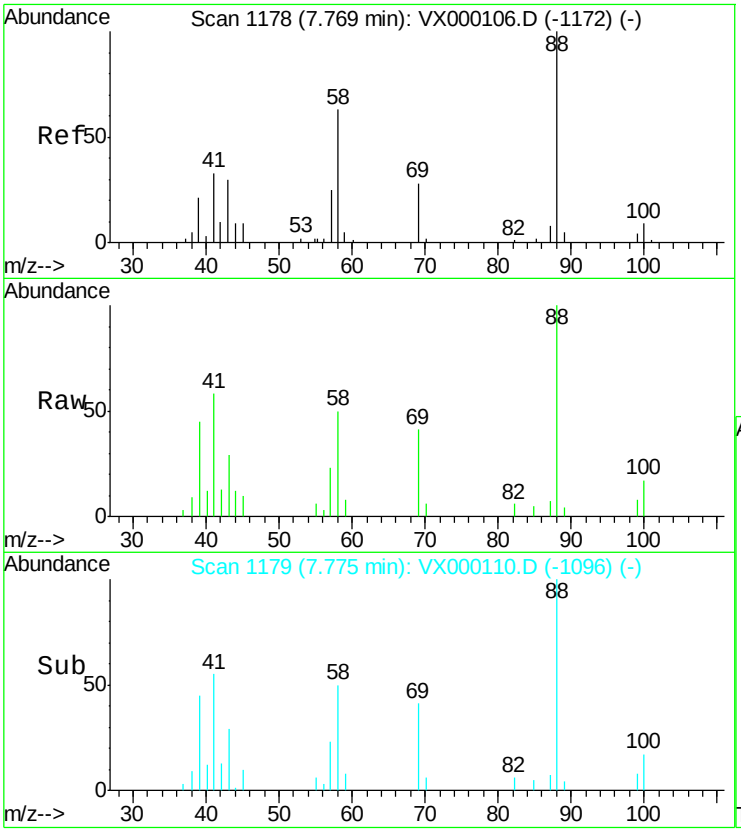




#44
Isopropyl Acetate
Concen: 5.29 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 14283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.7 | 15.7 | 23.5 |

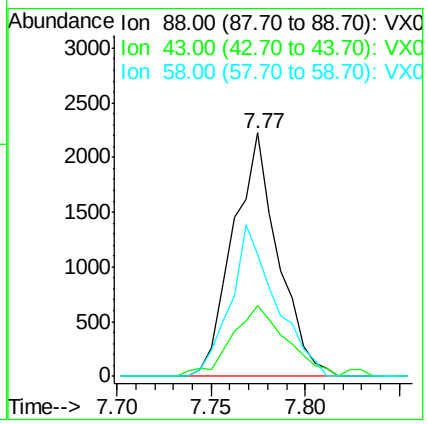





#45
1,4-Dioxane
Concen: 110.64 ug/l
RT: 7.77 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 88 Resp: 3698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 33.2 | 26.8 | 40.2 |
| 58 | 62.3 | 52.1 | 78.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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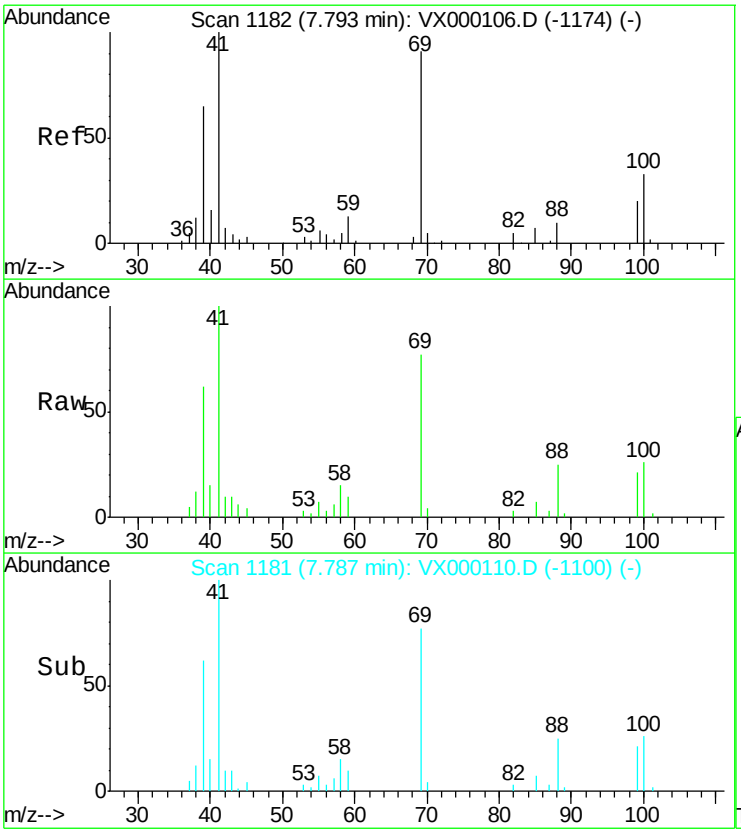
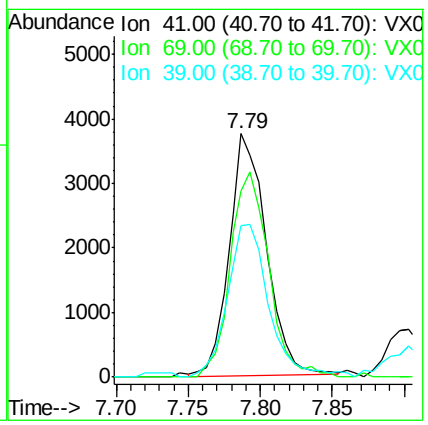
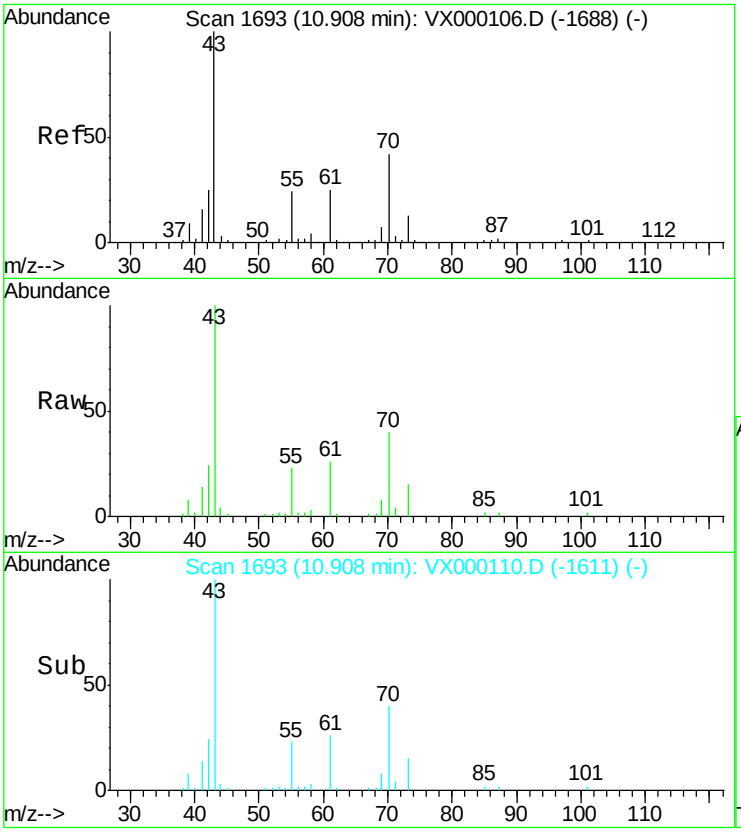



#46
Methyl methacrylate
Concen: 5.13 ug/l
RT: 7.79 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 41 Resp: 6756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.7 | 45.5 | 136.5 |
| 39 | 62.9 | 32.5 | 97.5 |

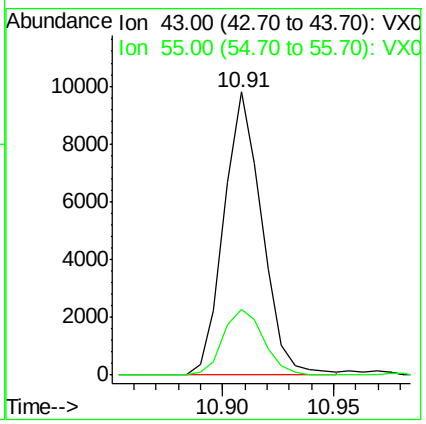





#47
n-amyl Acetate
Concen: 5.02 ug/l
RT: 10.91 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 11649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 55 | 24.6 | 19.4 | 29.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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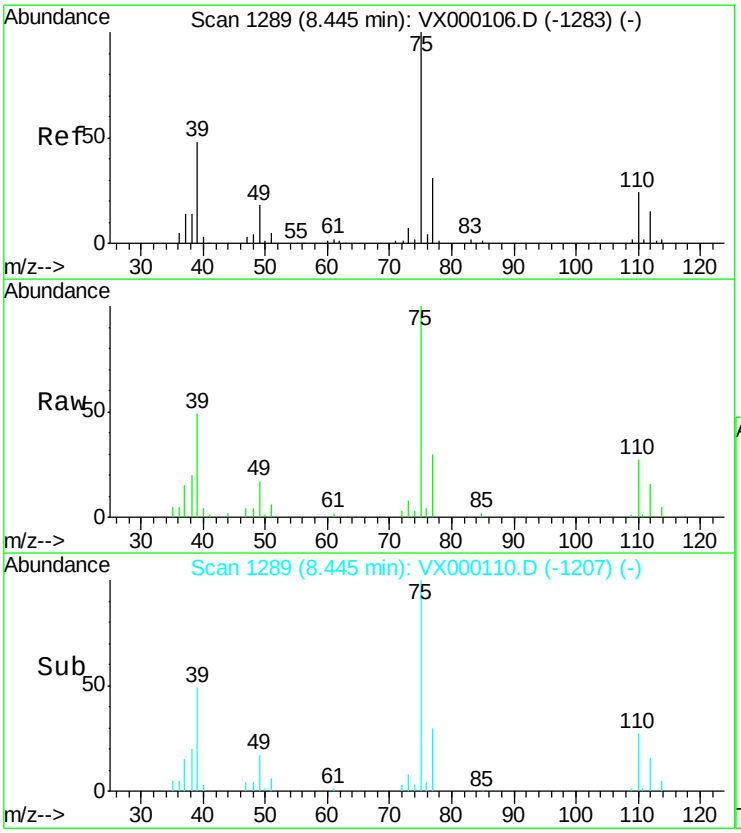
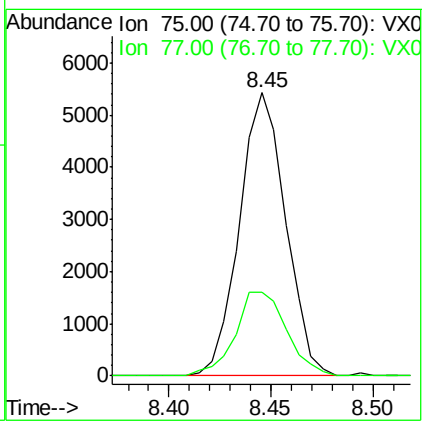
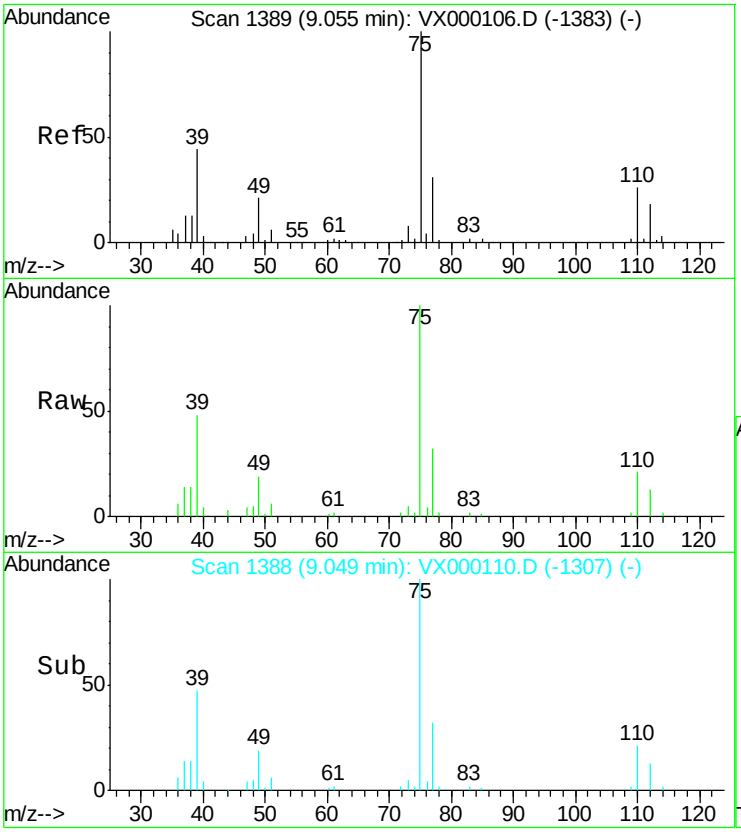



#48
t-1,3-Dichloropropene
Concen: 5.03 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 8565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 24.6 | 37.0 |

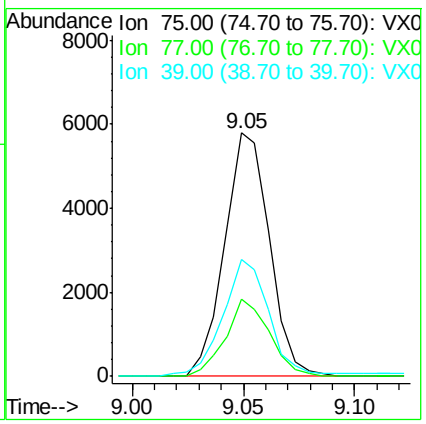





#49
cis-1,3-Dichloropropene
Concen: 4.94 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 8123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 24.5 | 36.7 |
| 39 | 46.5 | 35.6 | 53.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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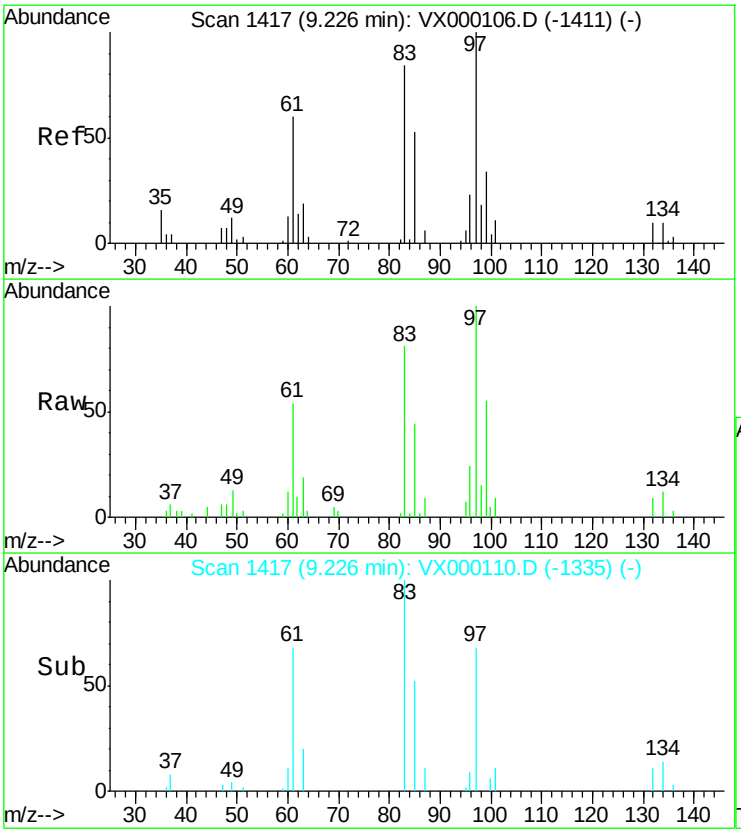
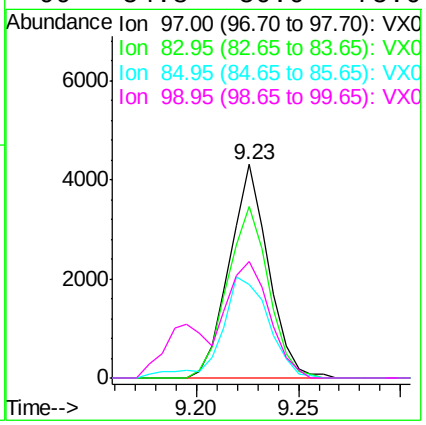
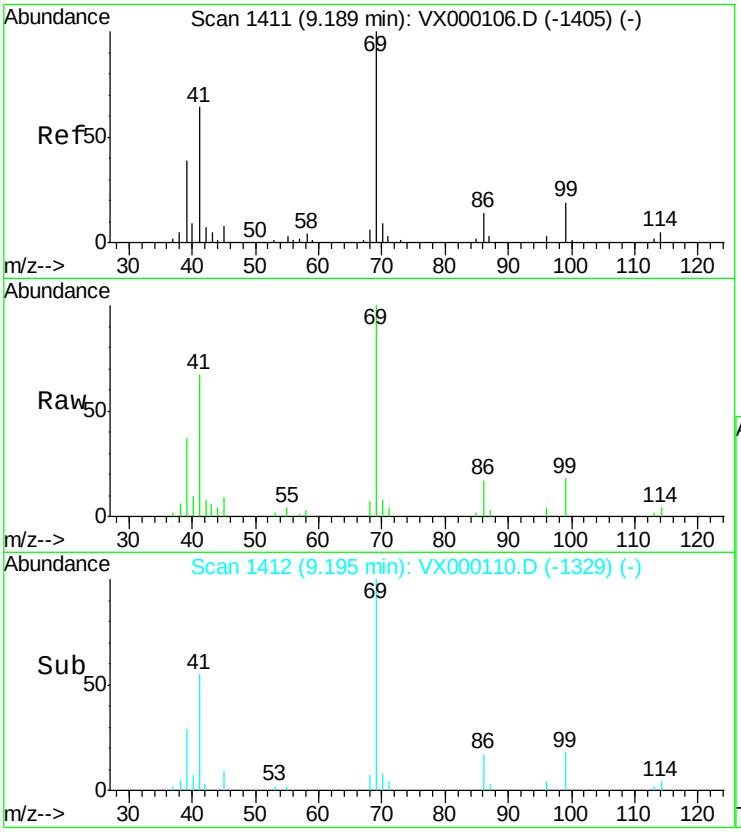



#50
1,1,2-Trichloroethane
Concen: 5.28 ug/l
RT: 9.23 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 97 Resp: 5725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.5 | 66.9 | 100.3 |
| 85 | 44.0 | 44.4 | 66.6# |
| 99 | 54.8 | 50.0 | 75.0 |

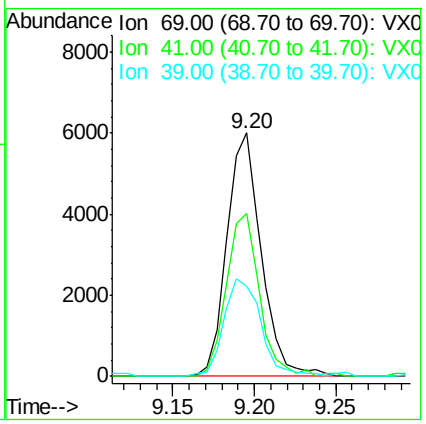





#51
Ethyl methacrylate
Concen: 5.32 ug/l
RT: 9.20 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 69 Resp: 8785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.0 | 32.1 | 96.3 |
| 39 | 37.0 | 19.6 | 58.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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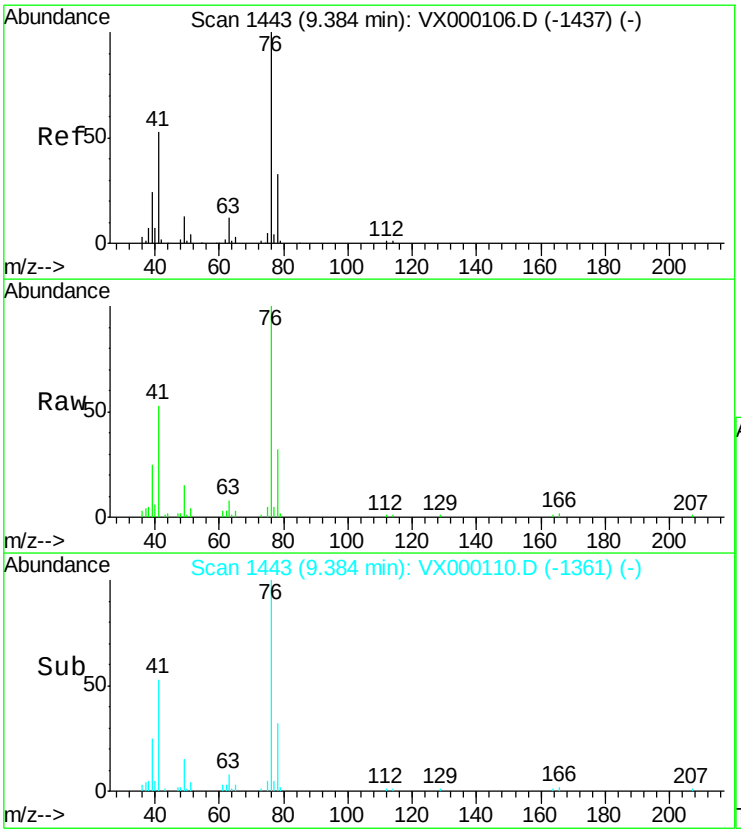
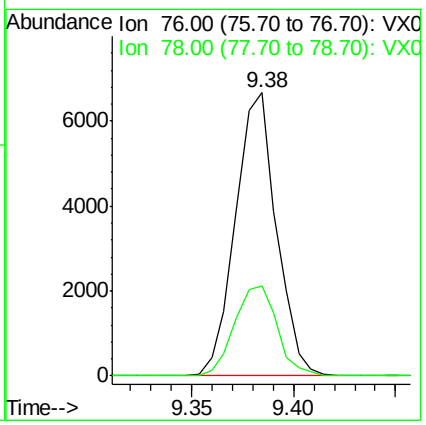
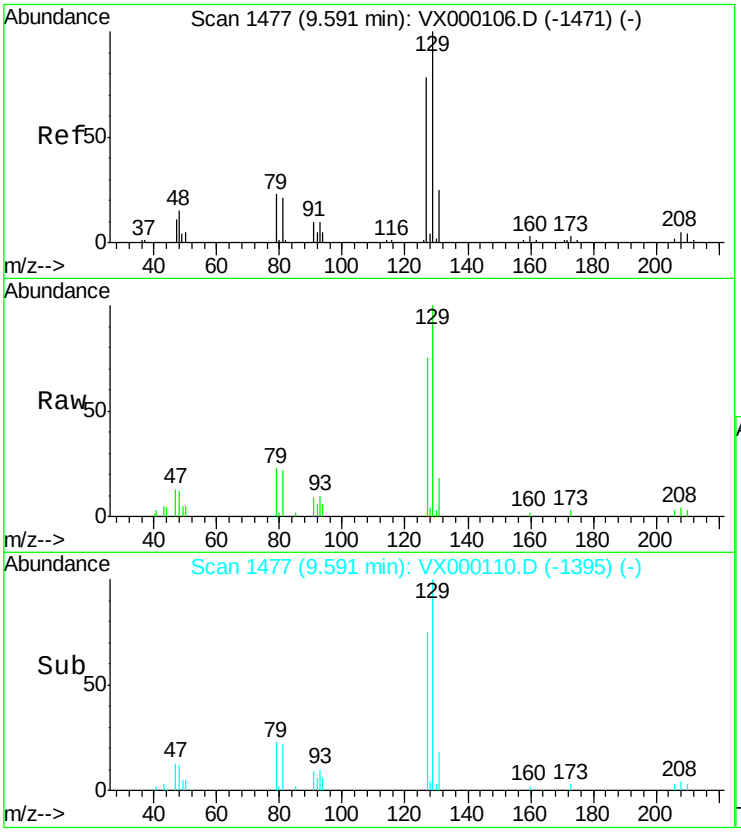



#52
1,3-Dichloropropane
Concen: 5.17 ug/l
RT: 9.38 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 76 Resp: 9317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 0.0 | 65.0 |

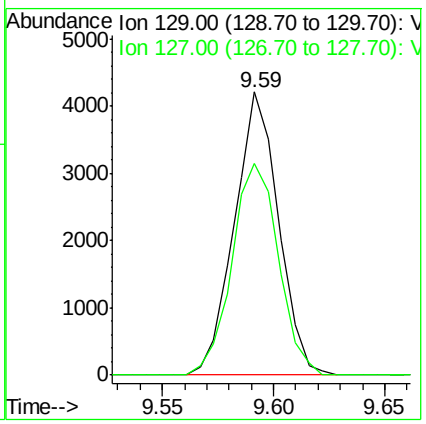





#53
Dibromochloromethane
Concen: 4.73 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:129 Resp: 5811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.8 | 37.5 | 112.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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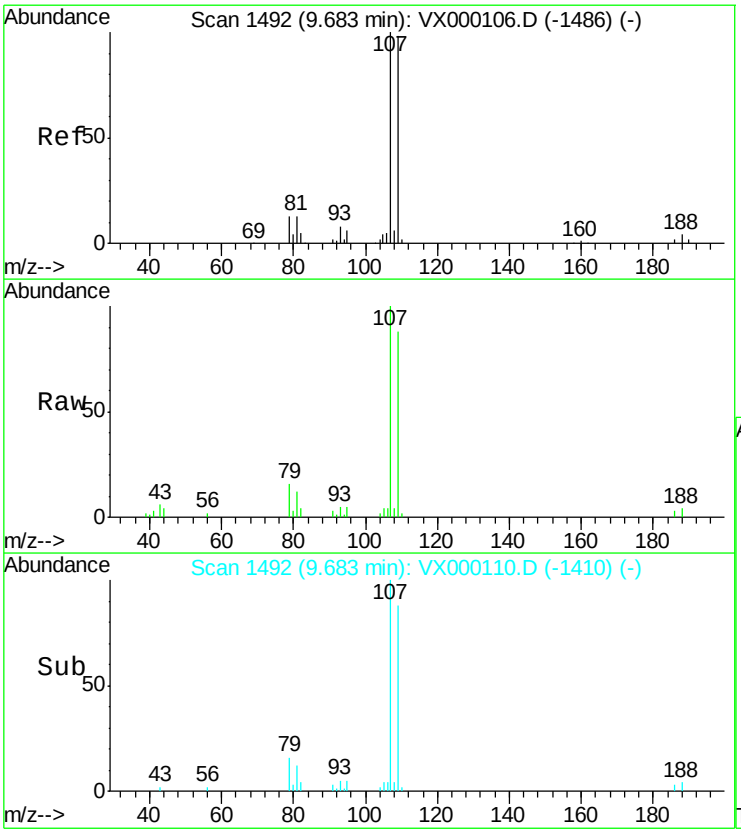
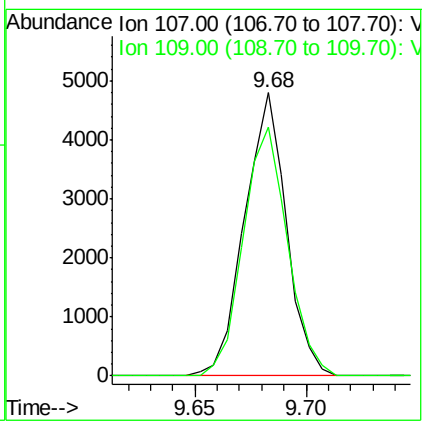
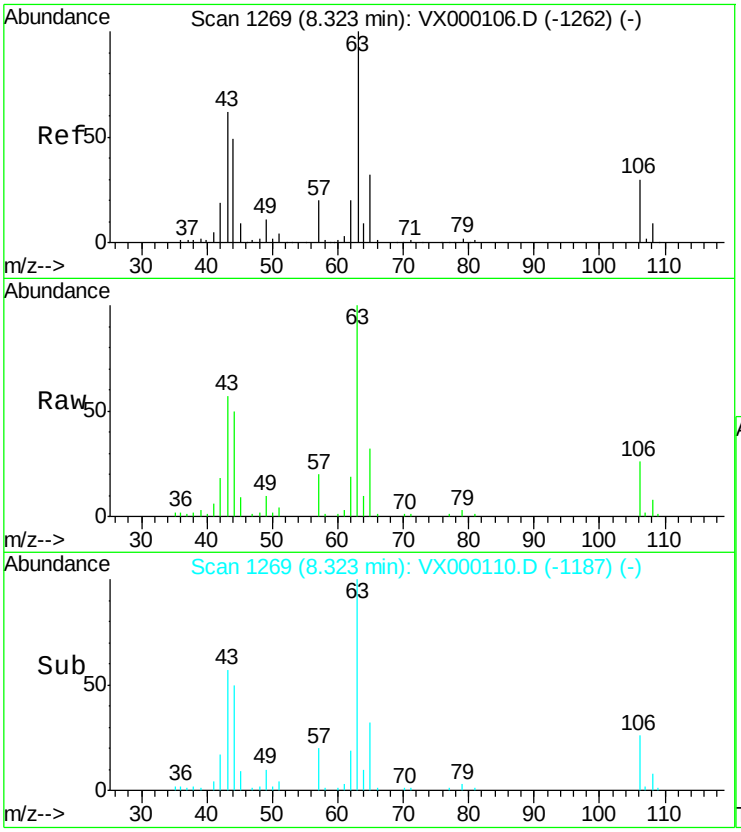



#54
1,2-Dibromoethane
Concen: 5.07 ug/l
RT: 9.68 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:107 Resp: 6262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 74.5 | 111.7 |

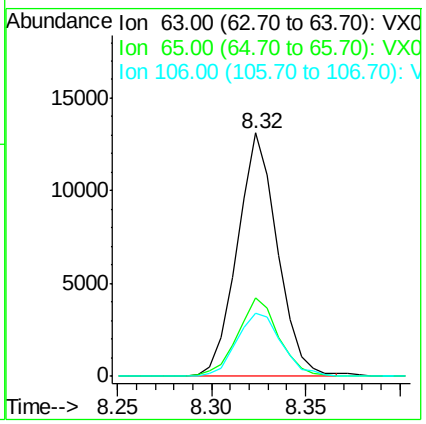





#55
2-Chloroethyl vinyl ether
Concen: 23.02 ug/l
RT: 8.32 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 63 Resp: 19381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 33.1 | 25.8 | 38.8 |
| 106 | 28.6 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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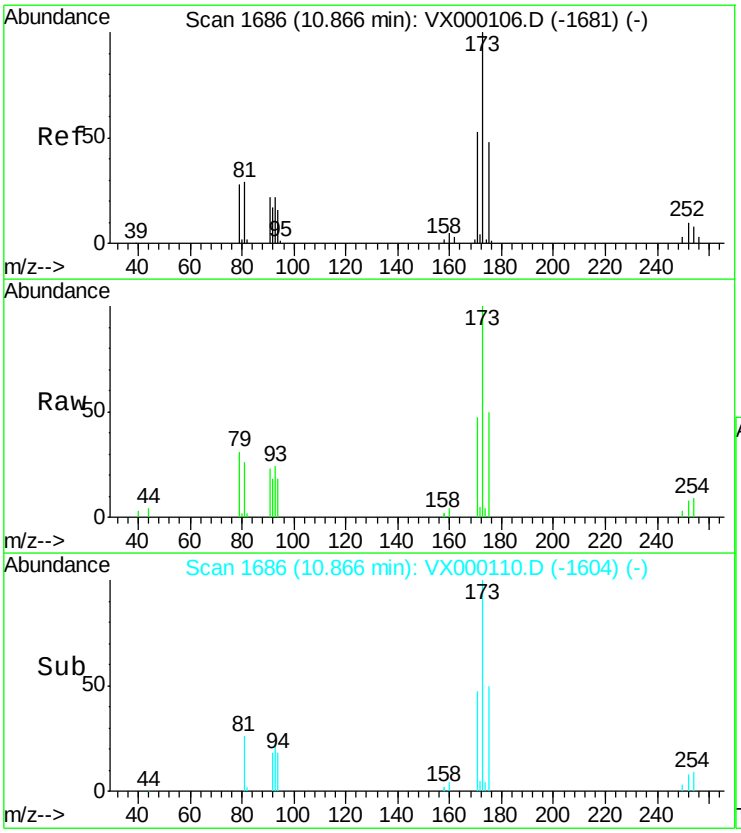
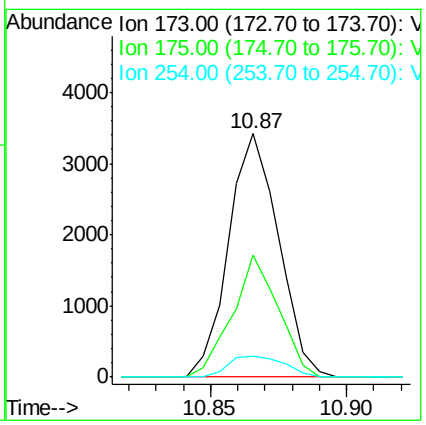
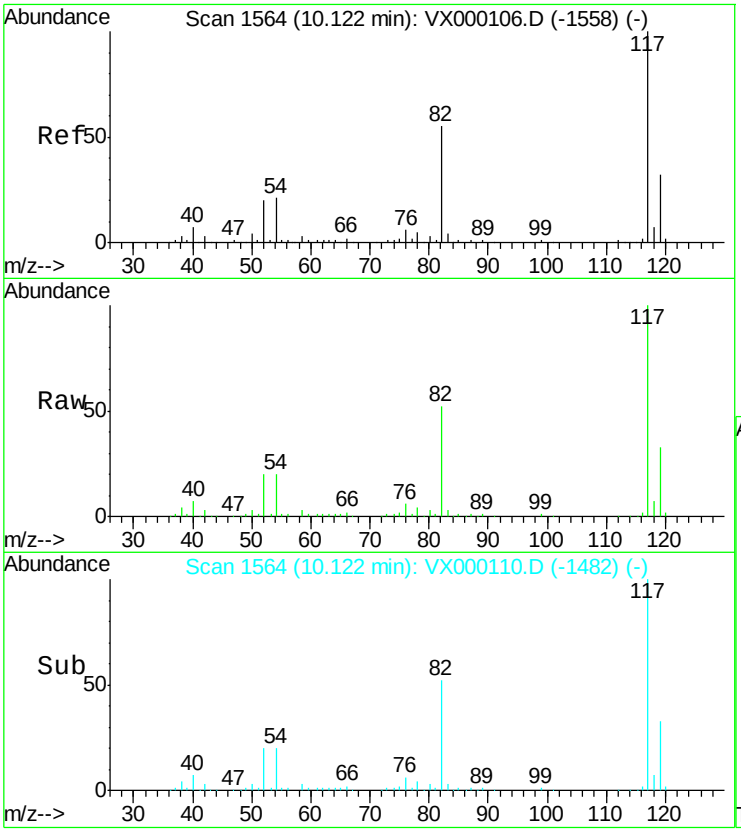



#56
Bromoform
Concen: 4.47 ug/l
RT: 10.87 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:173 Resp: 4362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.3 | 39.0 | 58.4 |
| 254 | 9.7 | 7.0 | 10.4 |

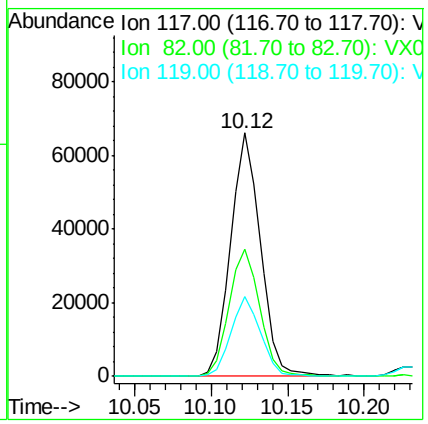





#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:117 Resp: 89579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 43.0 | 64.4 |
| 119 | 32.6 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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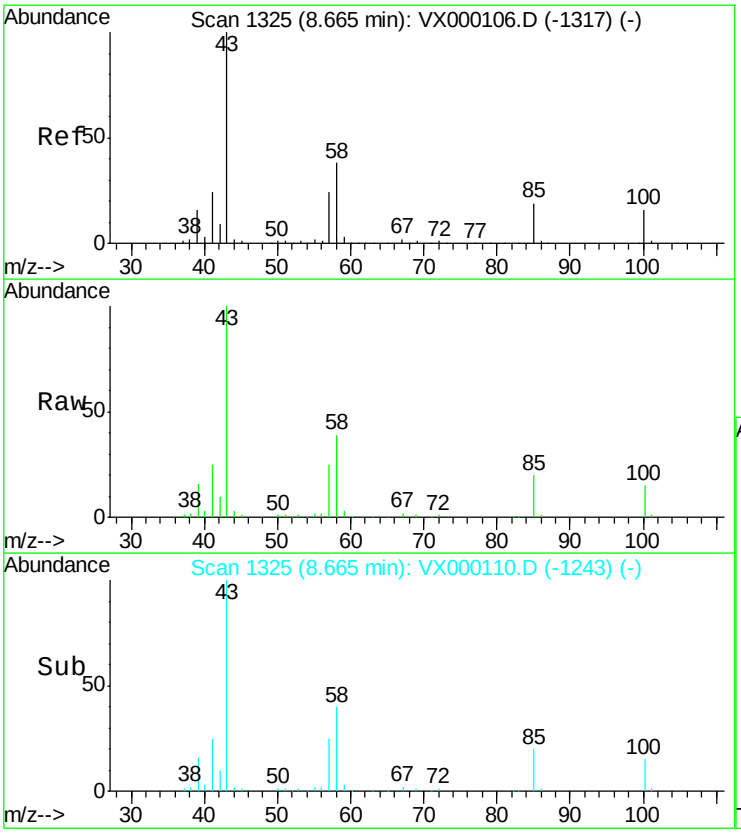
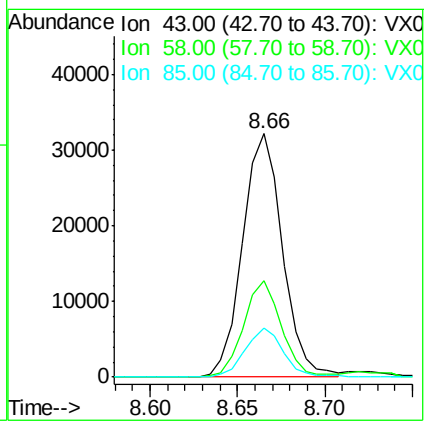
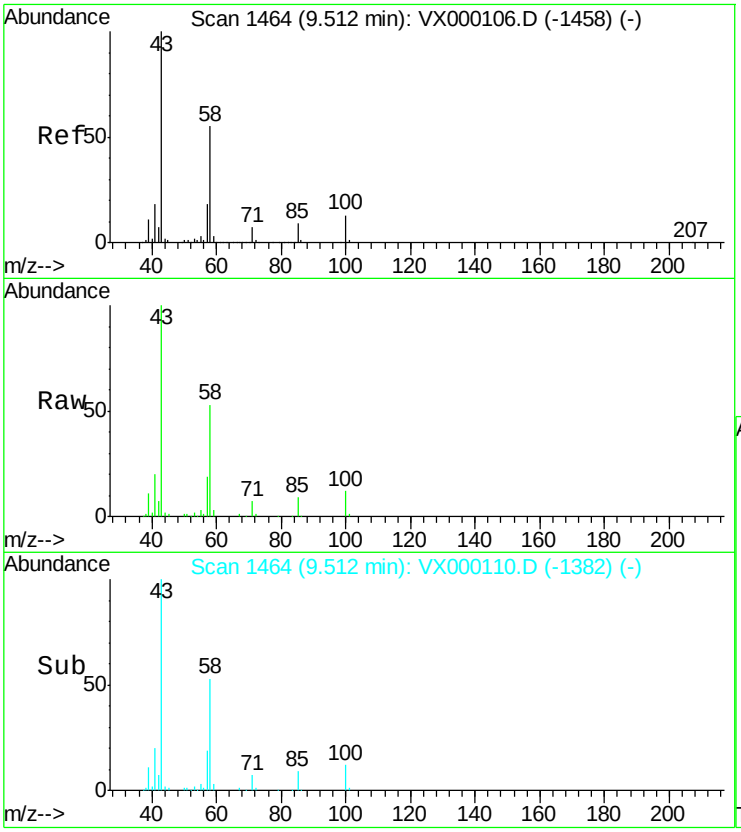



#58
4-Methyl-2-Pentanone
Concen: 25.33 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 51116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.4 | 29.8 | 44.8 |
| 85 | 19.0 | 14.9 | 22.3 |

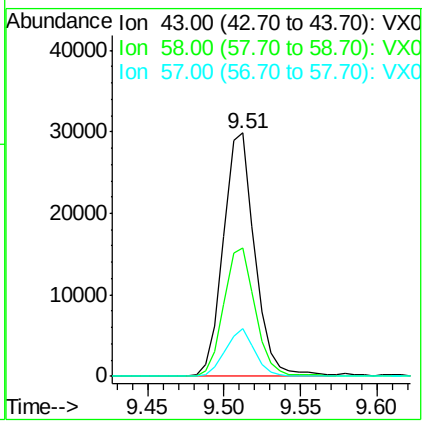





#59
2-Hexanone
Concen: 24.90 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 43 Resp: 42794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.3 | 43.0 | 64.6 |
| 57 | 18.3 | 14.4 | 21.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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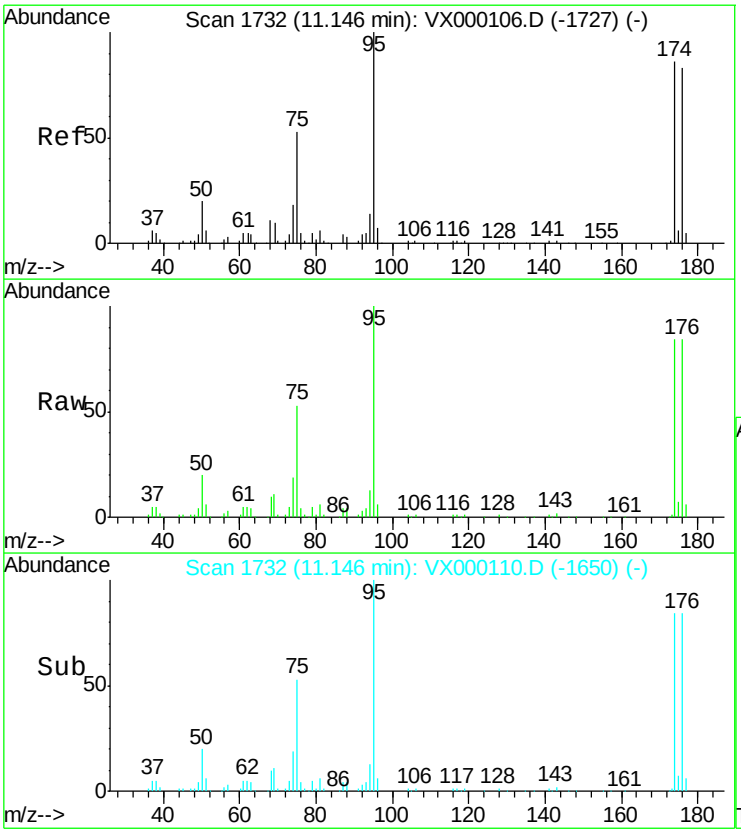
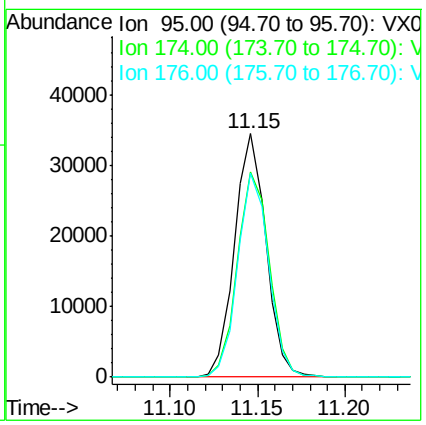
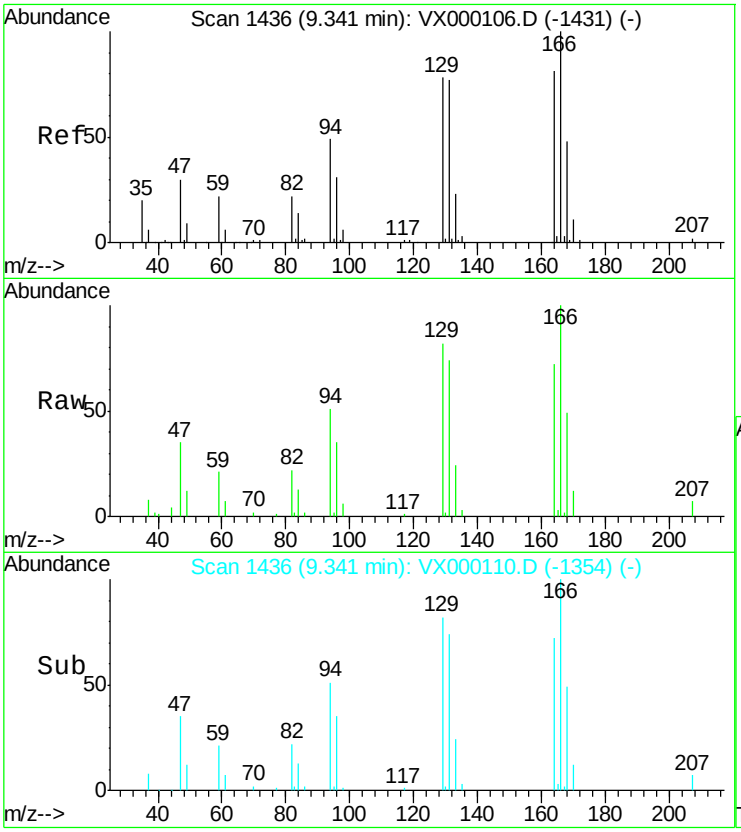



#60
4-Bromofluorobenzene
Concen: 29.62 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 95 Resp: 43177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 86.6 | 71.1 | 106.7 |
| 176 | 82.6 | 69.3 | 103.9 |

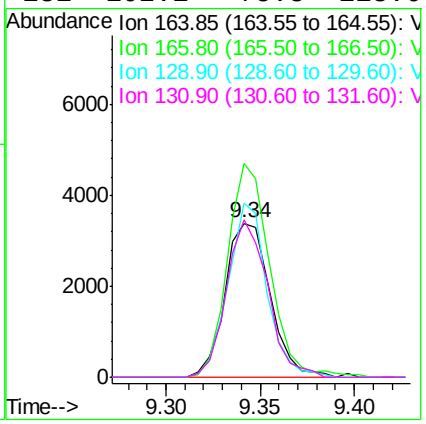





#61
Tetrachloroethene
Concen: 5.15 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:164 Resp: 5608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 138.5 | 99.0 | 148.4 |
| 129 | 113.2 | 77.0 | 115.6 |
| 131 | 102.1 | 75.8 | 113.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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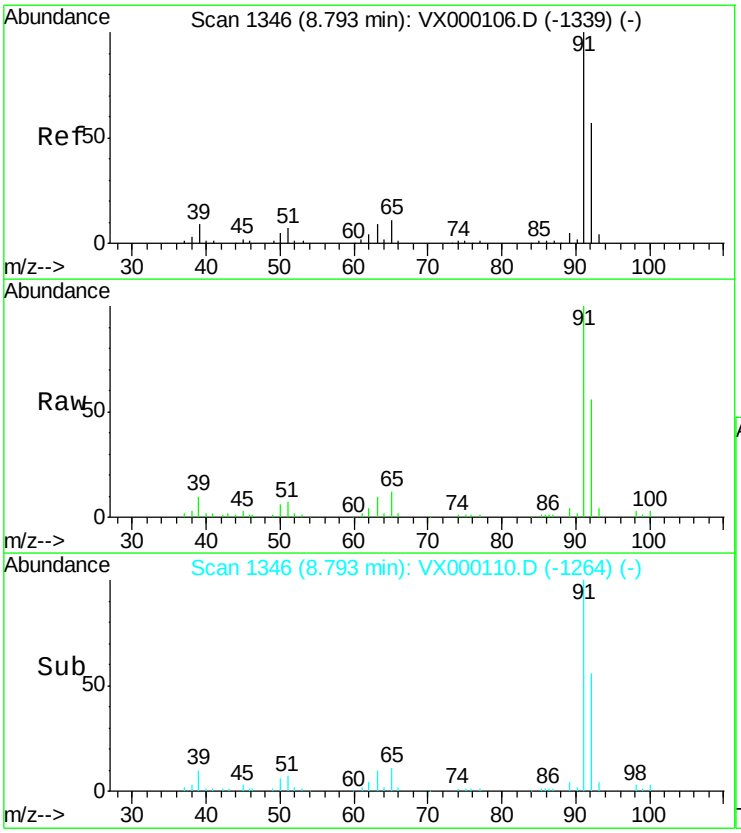
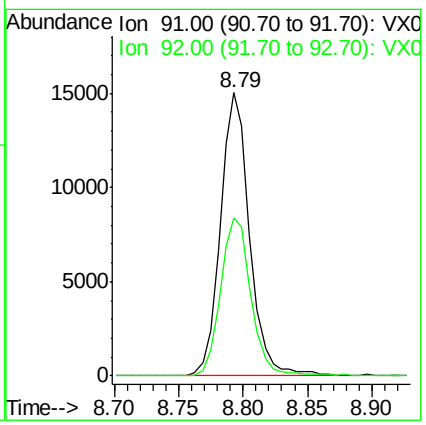
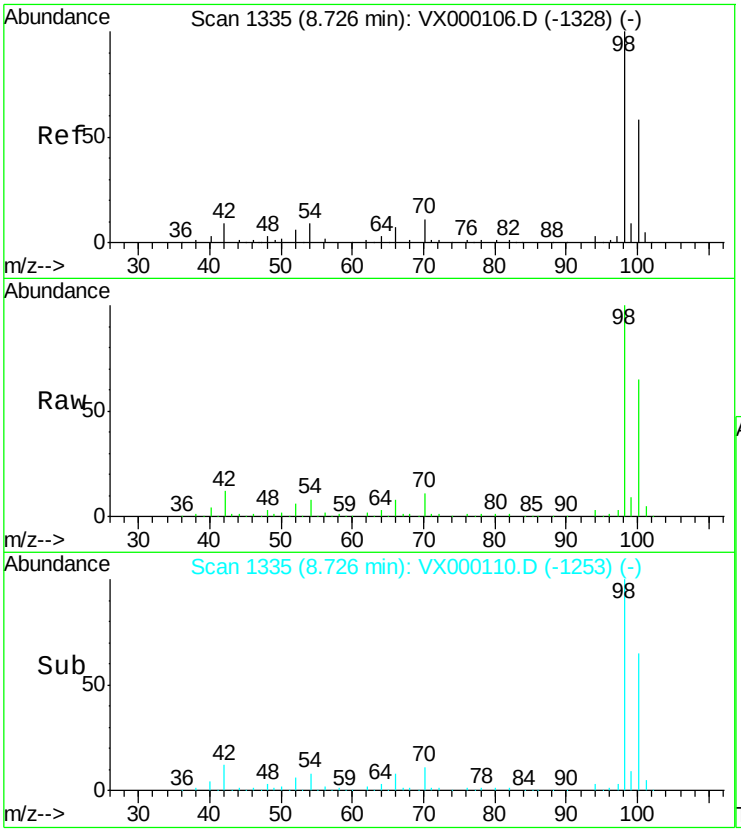



#62
Toluene
Concen: 5.06 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 23824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.2 | 45.4 | 68.0 |

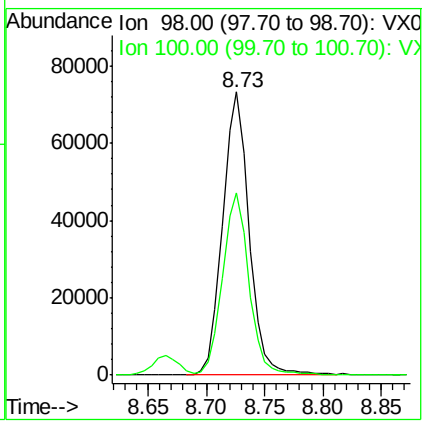





#63
Toluene-d8
Concen: 30.15 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 98 Resp: 115871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.6 | 50.0 | 75.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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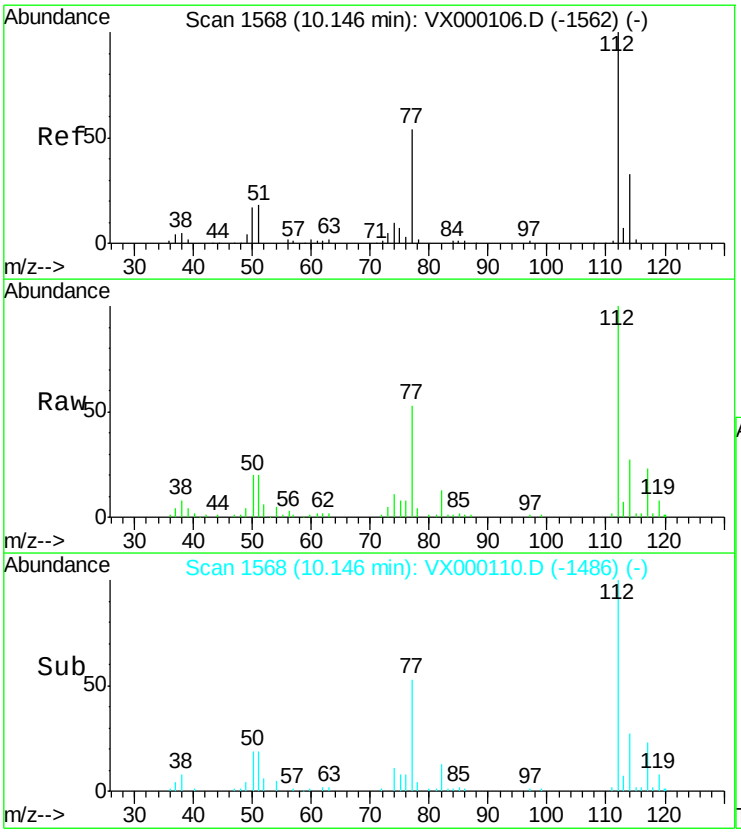
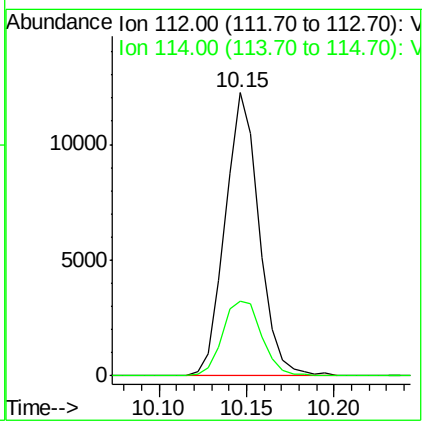
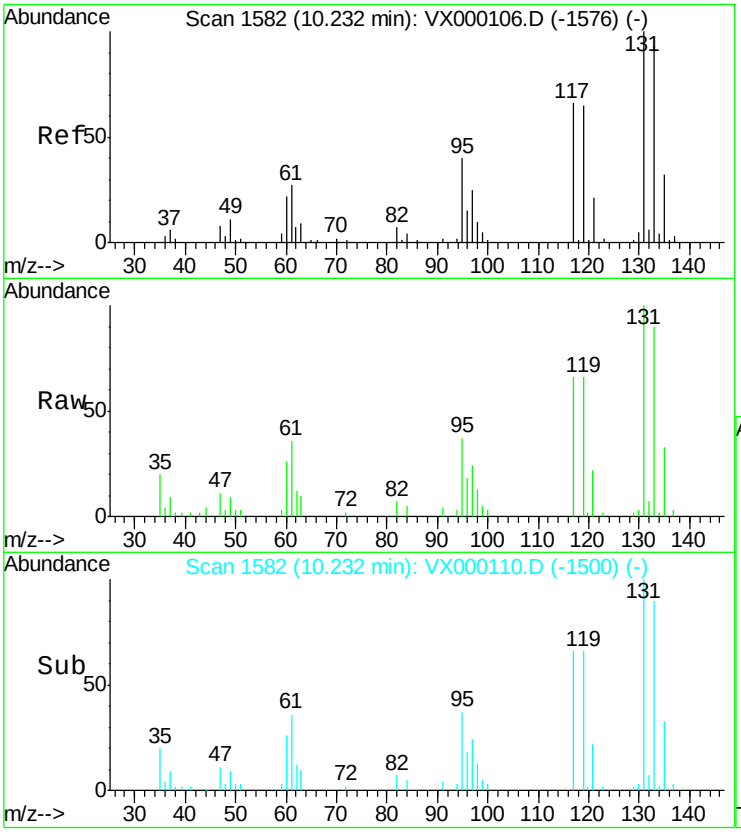



#64
Chlorobenzene
Concen: 5.28 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:112 Resp: 16578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 26.6 | 26.4 | 39.6 |

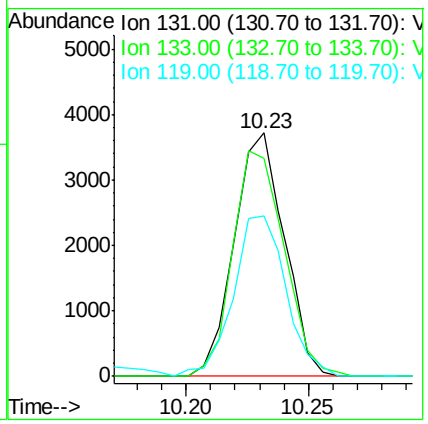





#65
1,1,1,2-Tetrachloroethane
Concen: 4.75 ug/l
RT: 10.23 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:131 Resp: 5321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.1 | 0.0 | 187.6 |
| 119 | 69.1 | 0.0 | 134.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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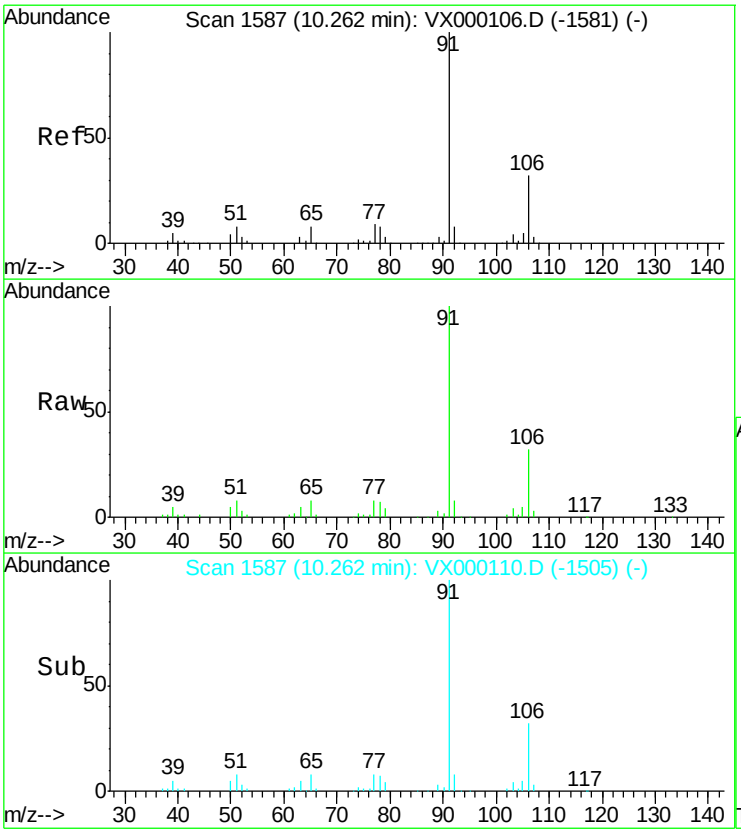
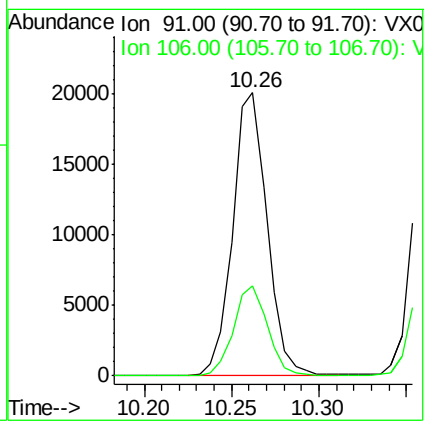
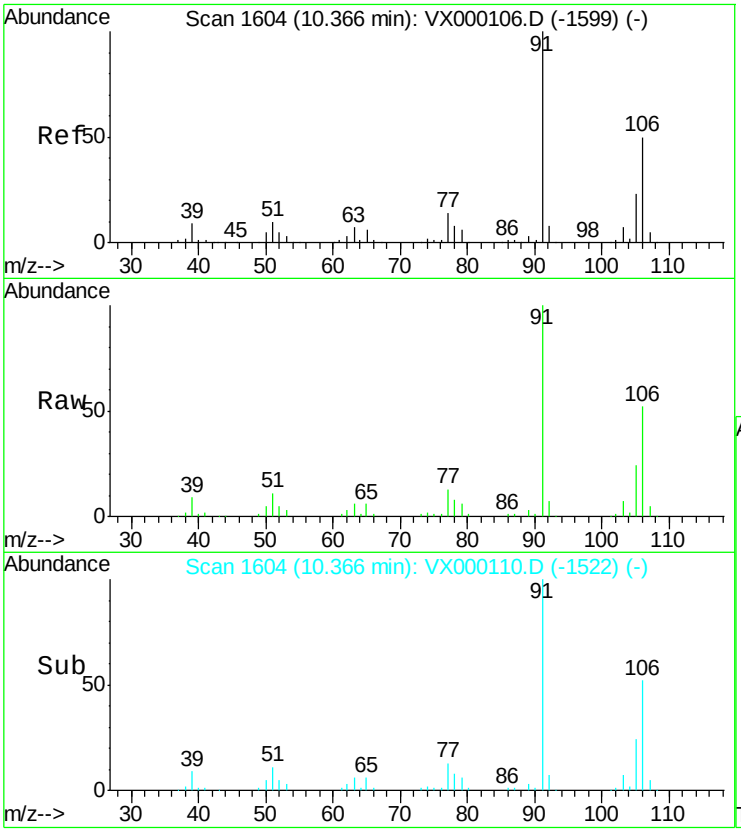



#66
Ethyl Benzene
Concen: 5.08 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 27488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.9 | 25.9 | 38.9 |

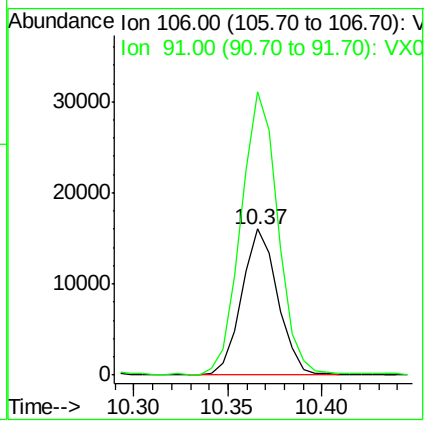





#67
m/p-Xylenes
Concen: 10.30 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:106 Resp: 21363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.7 | 161.6 | 242.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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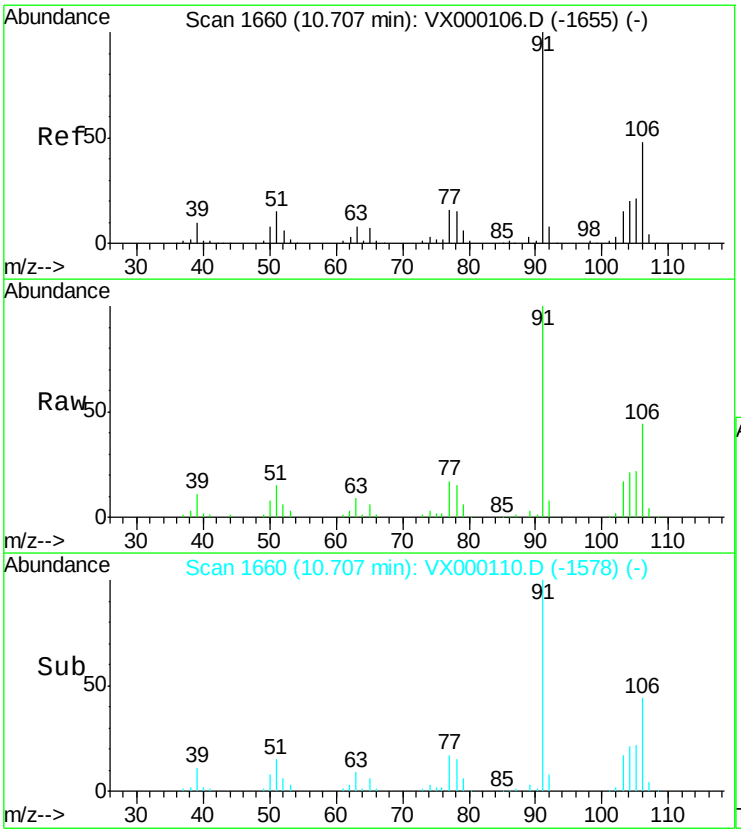
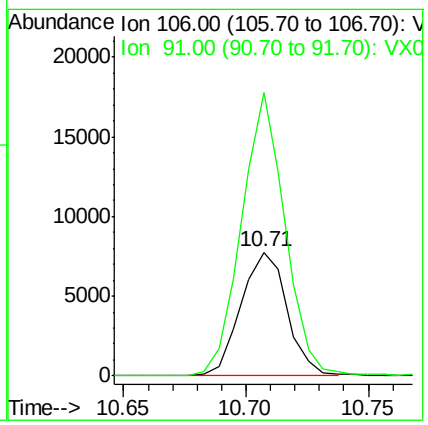
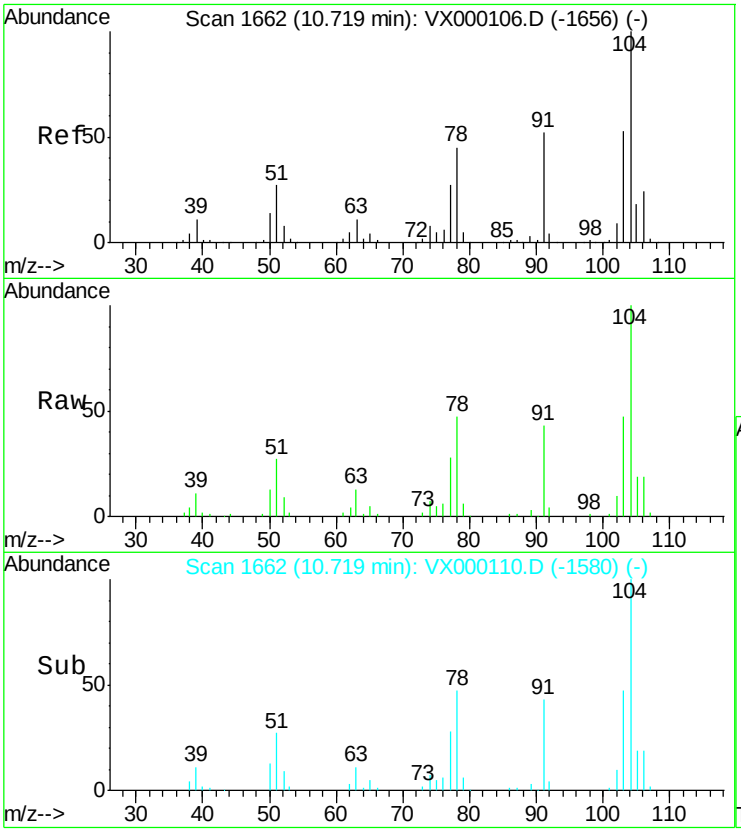



#68
o-Xylene
Concen: 4.97 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:106 Resp: 10181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 105.6 | 316.8 |

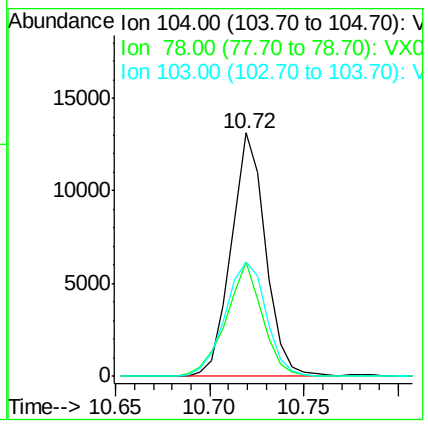





#69
Stvrene
Concen: 4.91 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:104 Resp: 16625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.4 | 39.0 | 58.4 |
| 103 | 56.2 | 44.7 | 67.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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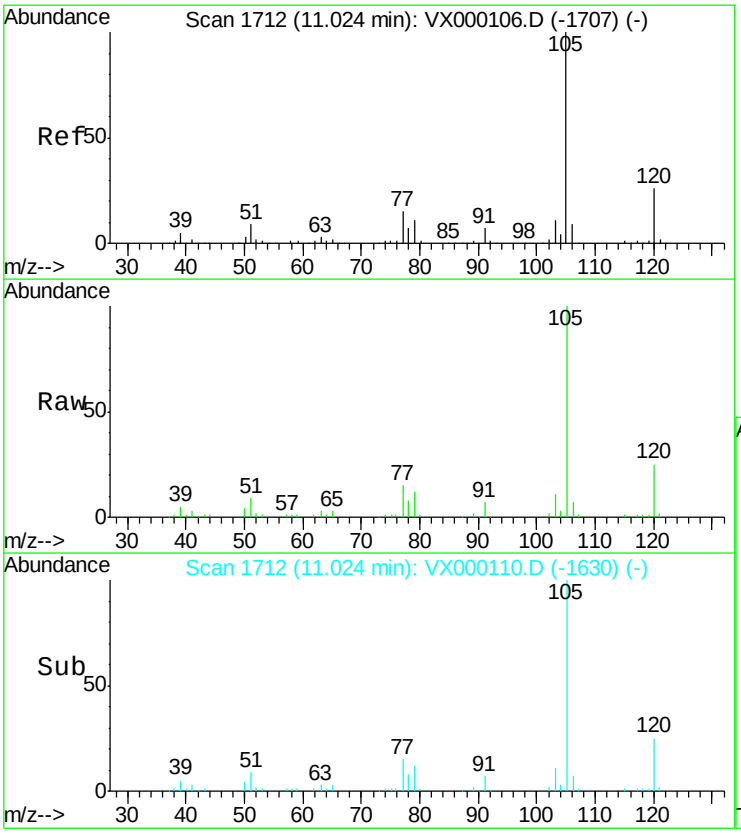
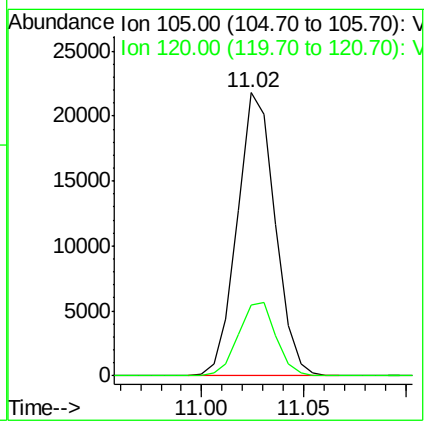
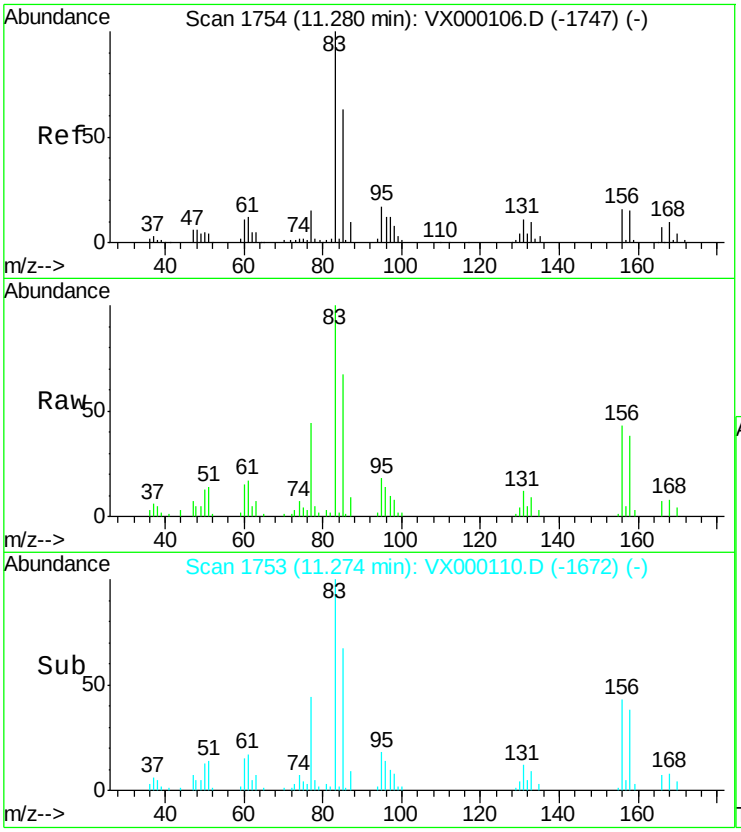



#70
Isopropylbenzene
Concen: 5.08 ug/l
RT: 11.02 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:105 Resp: 28083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 18.8 | 35.0 |

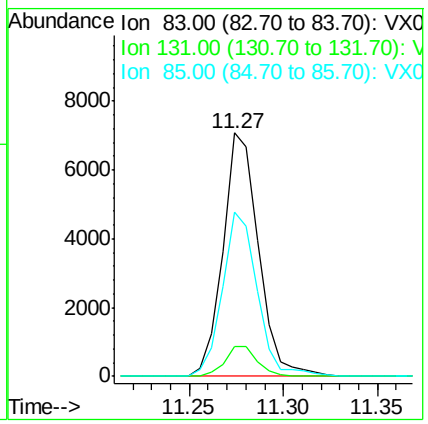





#71
1,1,2,2-Tetrachloroethane
Concen: 4.88 ug/l
RT: 11.27 min Scan# 1753
Delta R.T. -0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 83 Resp: 9299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.2 | 5.3 | 16.1 |
| 85 | 64.5 | 32.5 | 97.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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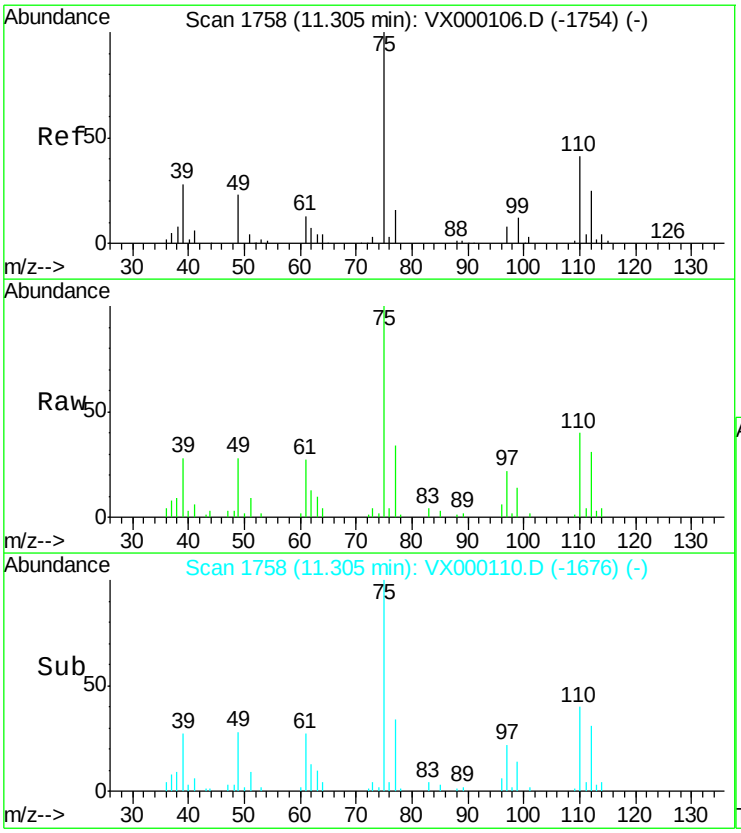
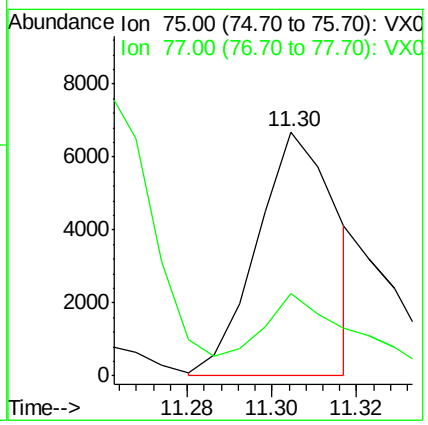
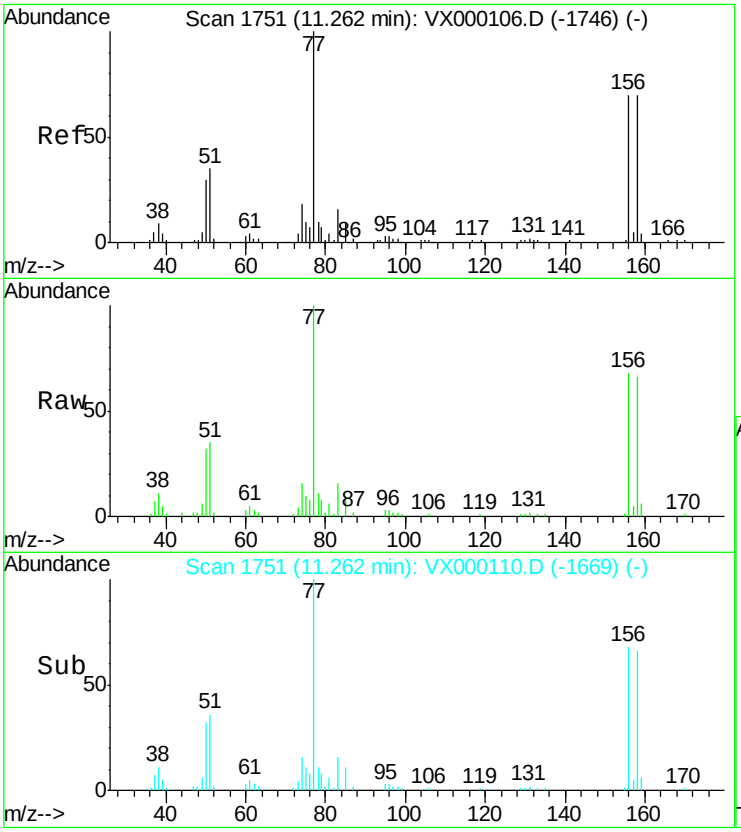



#72
1,2,3-Trichloropropane
Concen: 4.93 ug/l m
RT: 11.30 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 8628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.3 | 0.0 | 85.8 |

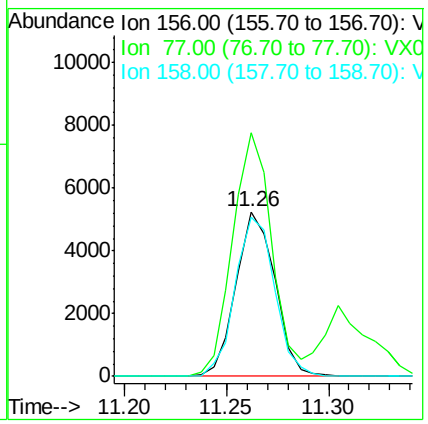





#73
Bromobenzene
Concen: 4.90 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:156 Resp: 7000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 147.7 | 0.0 | 280.2 |
| 158 | 97.5 | 0.0 | 197.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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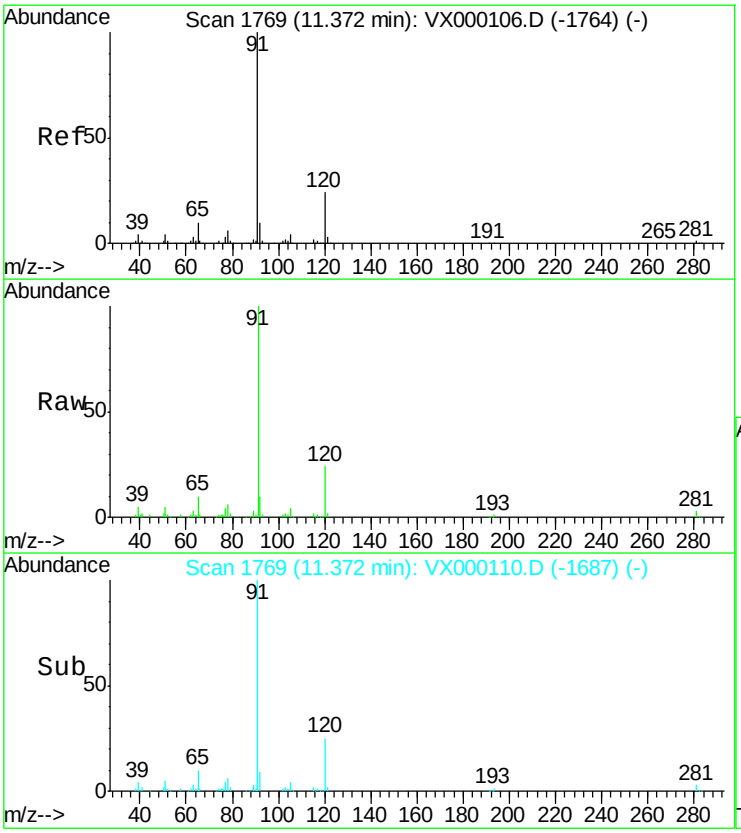
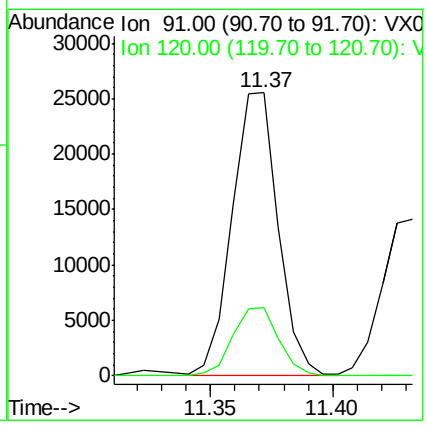
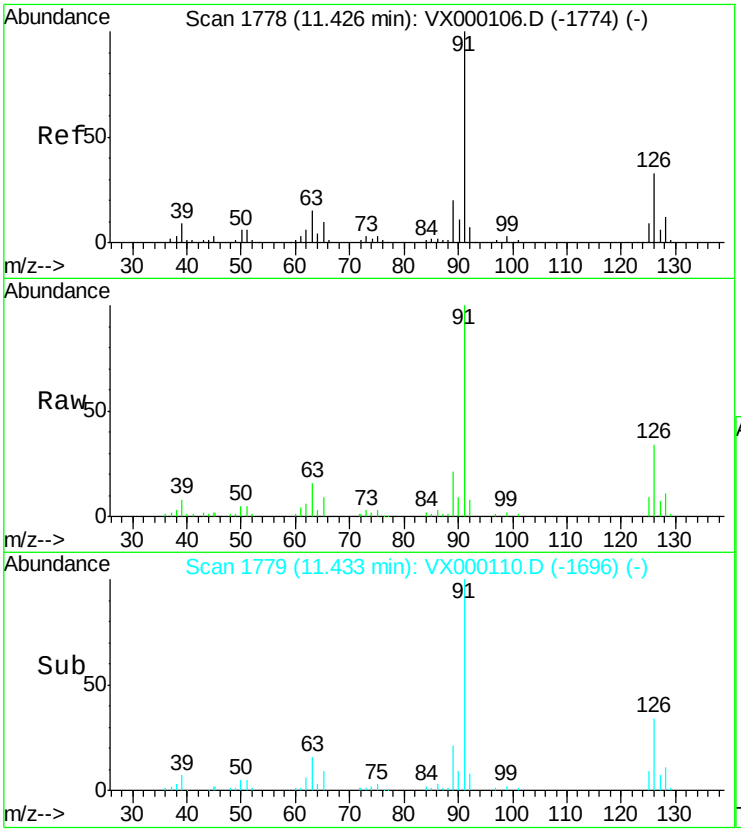



#74
n-propylbenzene
Concen: 5.17 ug/l
RT: 11.37 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 33477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 24.0 | 0.0 | 47.4 |






#75
2-Chlorotoluene
Concen: 4.96 ug/l
RT: 11.43 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 18759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 36.5 | 0.0 | 71.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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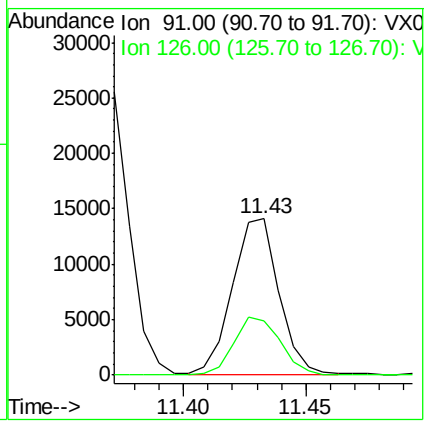
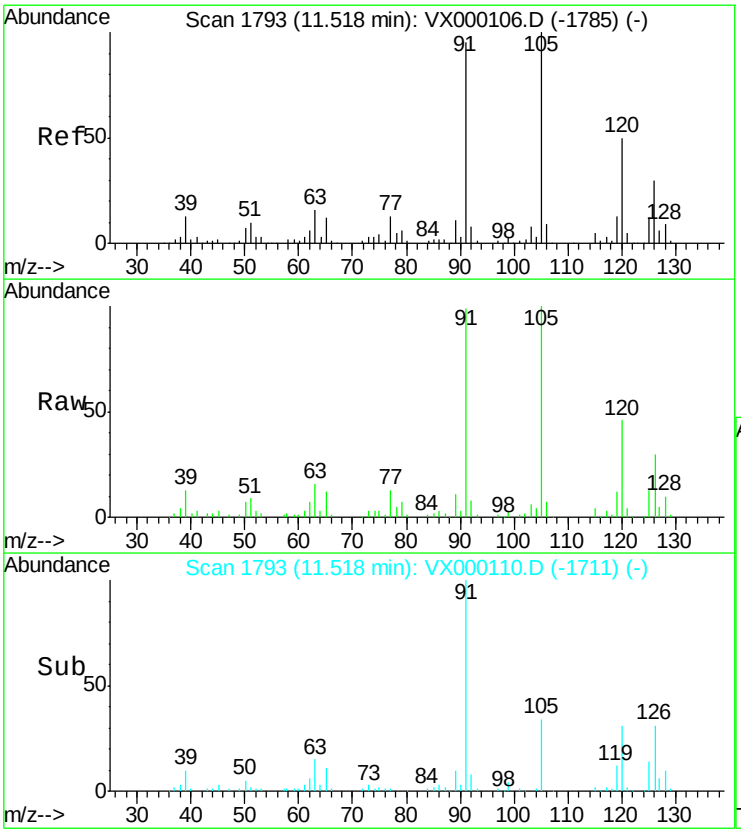
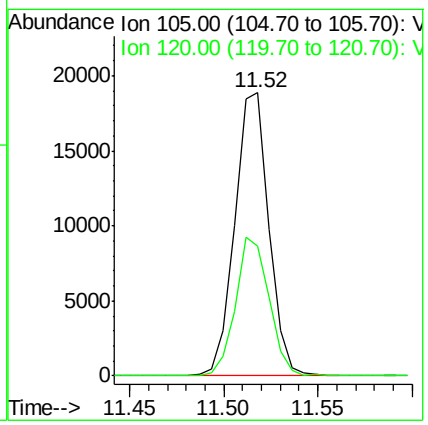


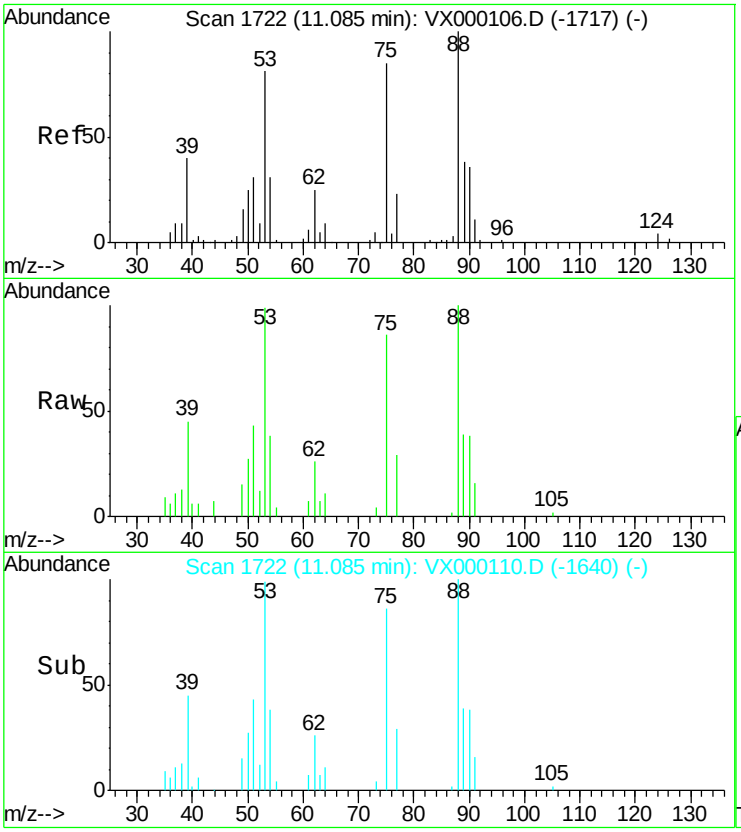




#76
1,3,5-Trimethylbenzene
Concen: 5.07 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:105 Resp: 23663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 0.0 | 63.8 |

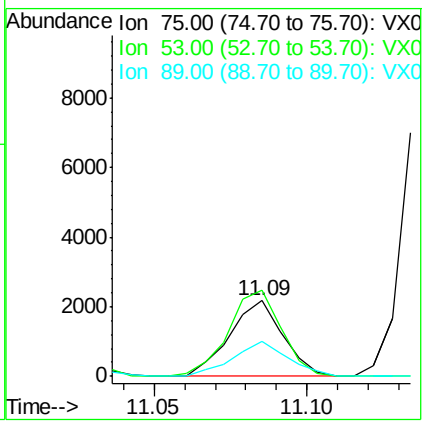





#77
t-1,4-Dichloro-2-butene
Concen: 4.31 ug/l
RT: 11.09 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 2633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.0 | 47.8 | 143.3 |
| 89 | 45.6 | 22.3 | 66.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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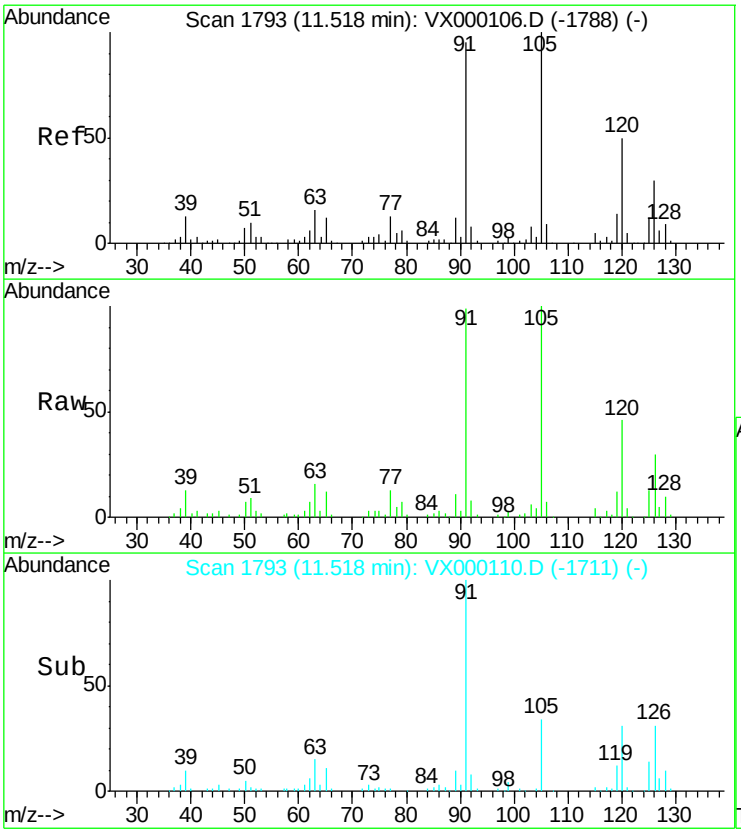
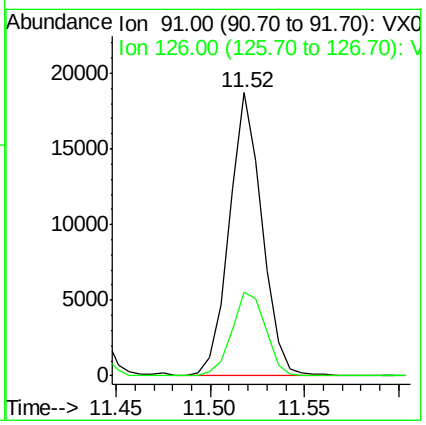
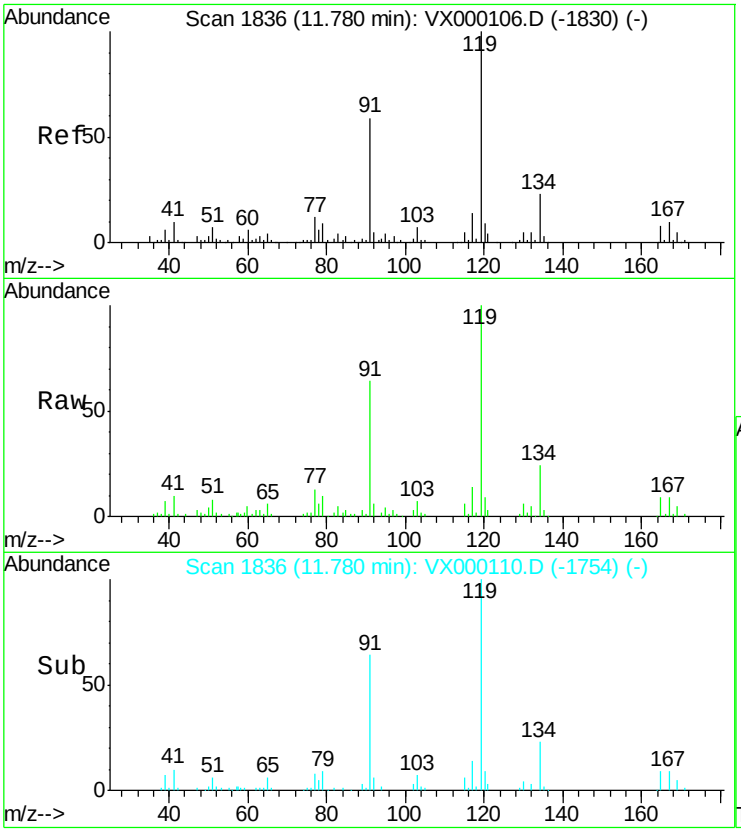



#78
4-Chlorotoluene
Concen: 5.05 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 22505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.5 | 0.0 | 63.4 |

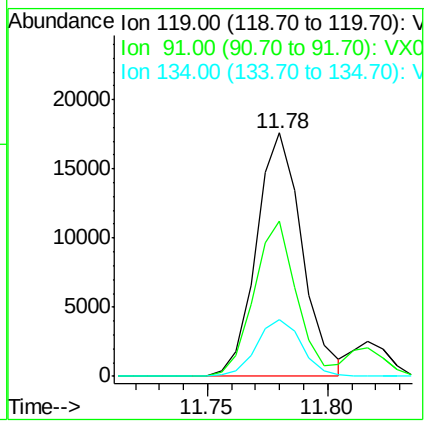





#79
tert-butylbenzene
Concen: 4.99 ug/l m
RT: 11.78 min Scan# 1836
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:119 Resp: 23398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 27.5 | 0.0 | 51.6 |
| 134 | 27.6 | 0.0 | 60.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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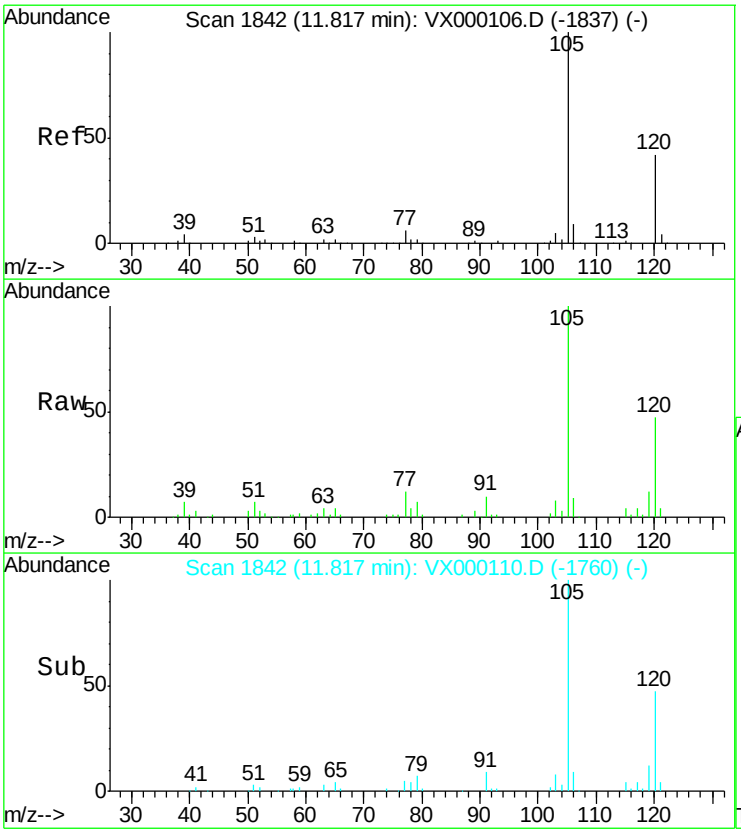
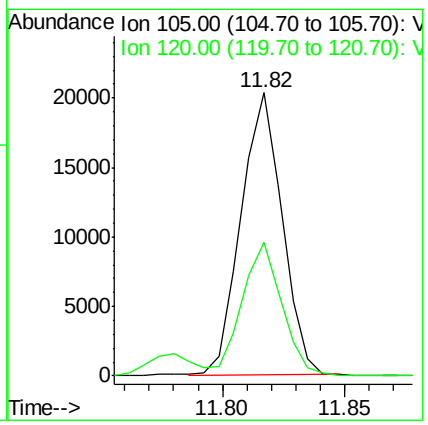
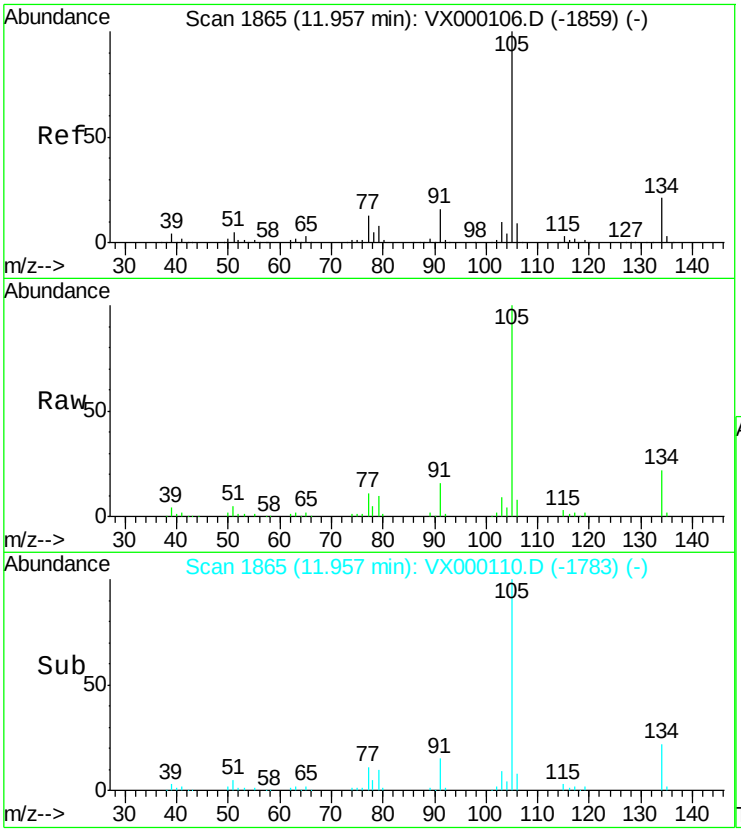



#80
1,2,4-Trimethylbenzene
Concen: 4.92 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:105 Resp: 23804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 0.0 | 93.0 |






#81
sec-Butylbenzene
Concen: 4.97 ug/l
RT: 11.96 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:105 Resp: 28890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.4 | 0.0 | 41.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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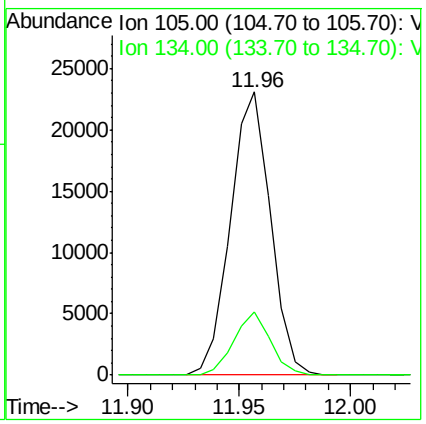
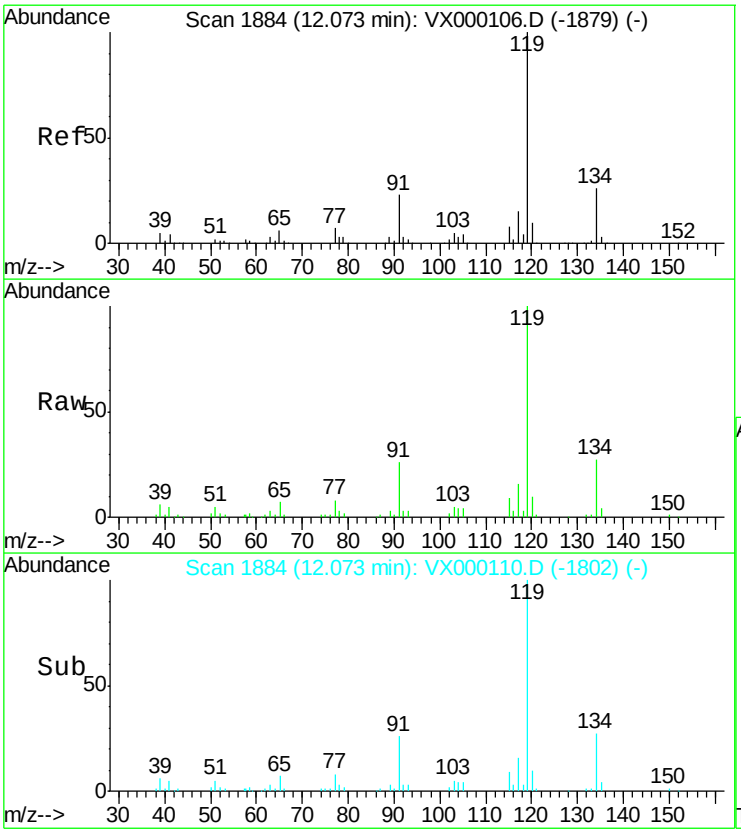
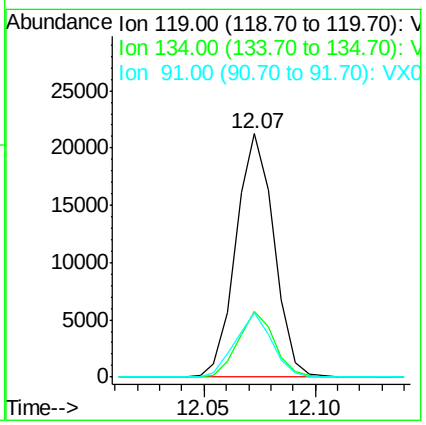


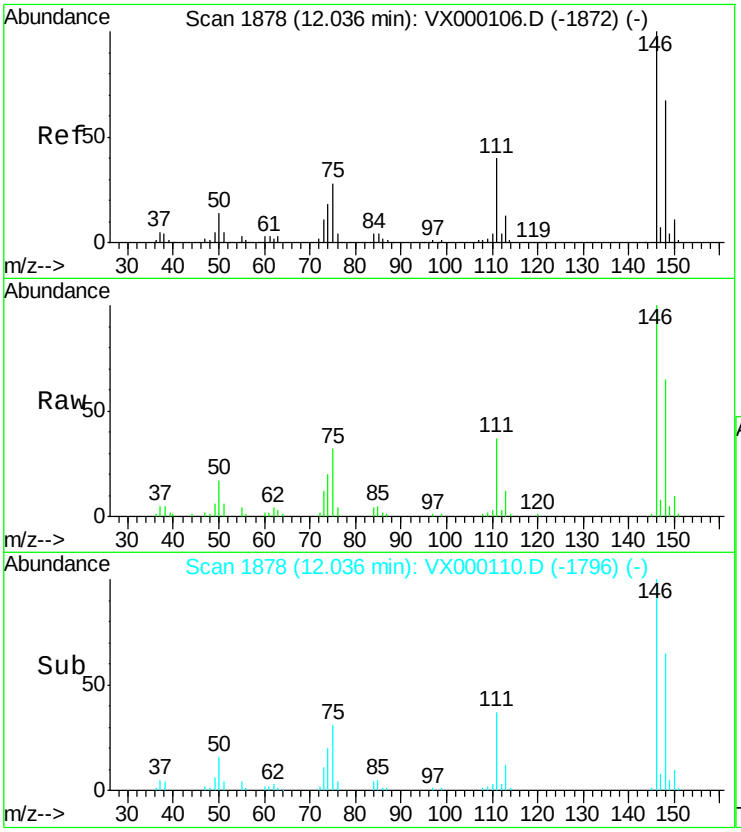




#82
p-Isopropyltoluene
Concen: 4.86 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:119 Resp: 25243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 0.0 | 54.4 |
| 91 | 25.5 | 0.0 | 46.6 |

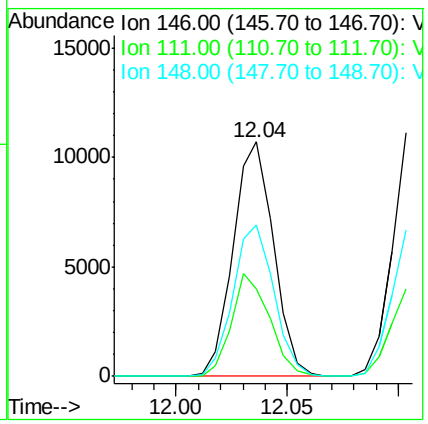





#83
1,3-Dichlorobenzene
Concen: 4.92 ug/l
RT: 12.04 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:146 Resp: 13525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 19.4 | 58.2 |
| 148 | 65.4 | 32.6 | 97.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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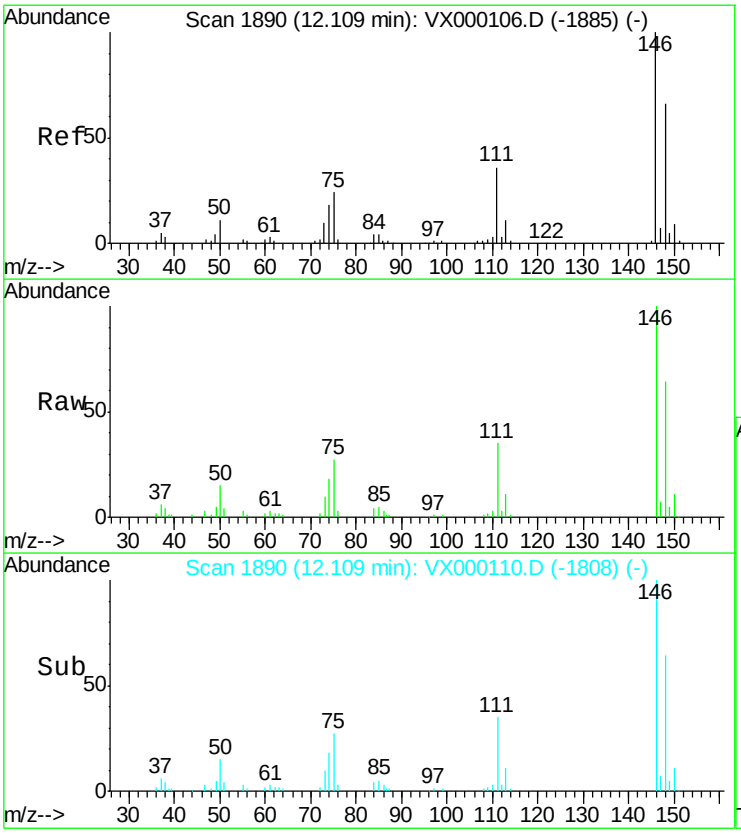
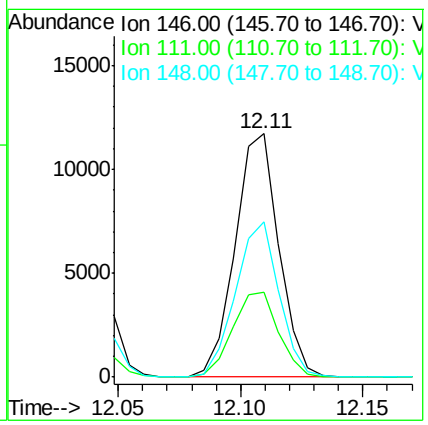
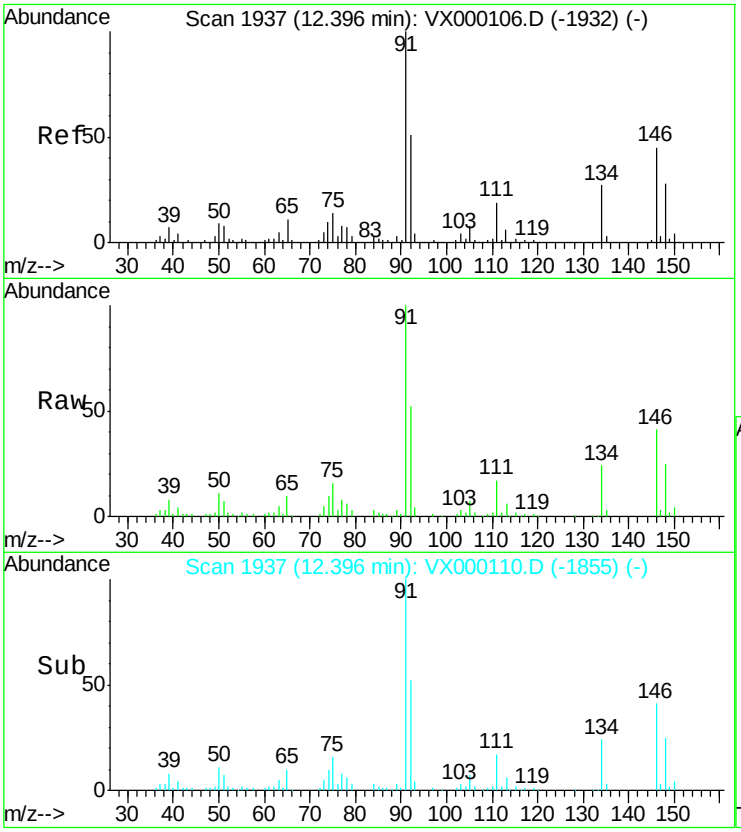



#84
1,4-Dichlorobenzene
Concen: 5.17 ug/l
RT: 12.11 min Scan# 1890
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:146 Resp: 14619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.7 | 18.4 | 55.0 |
| 148 | 63.4 | 31.9 | 95.7 |

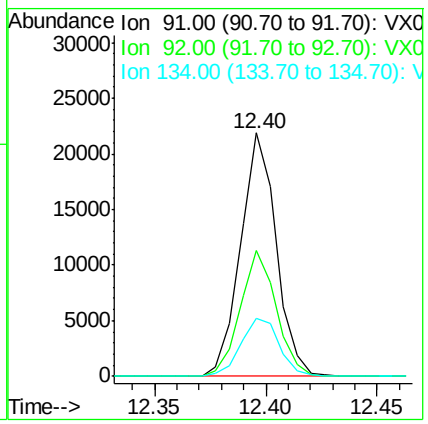





#85
n-Butylbenzene
Concen: 5.04 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 91 Resp: 24455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.9 | 0.0 | 102.0 |
| 134 | 25.8 | 0.0 | 54.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

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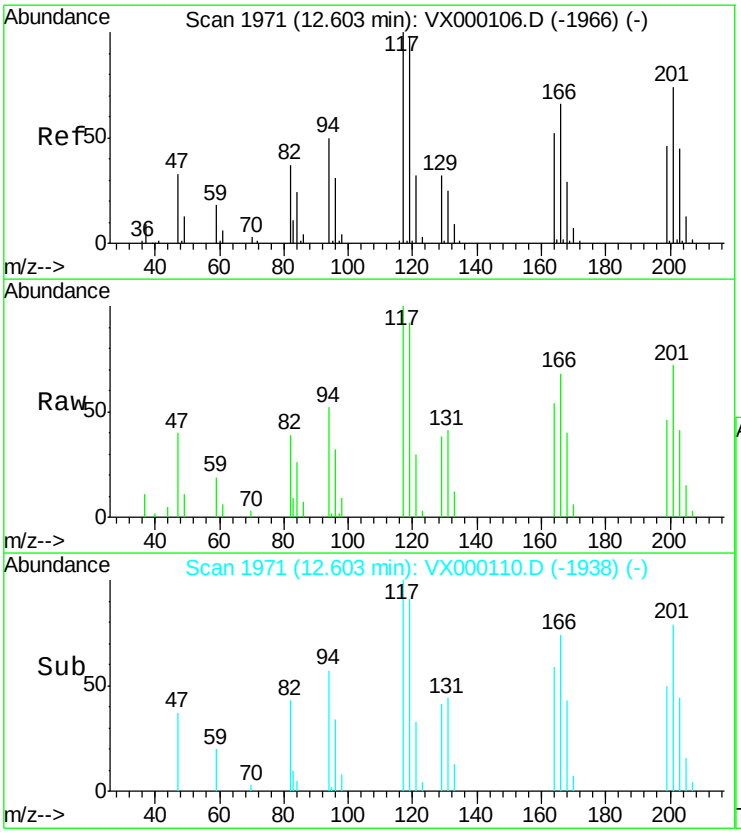
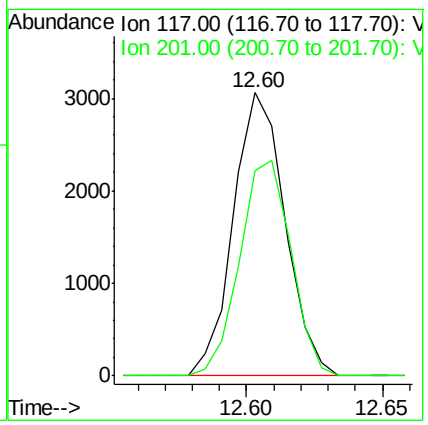
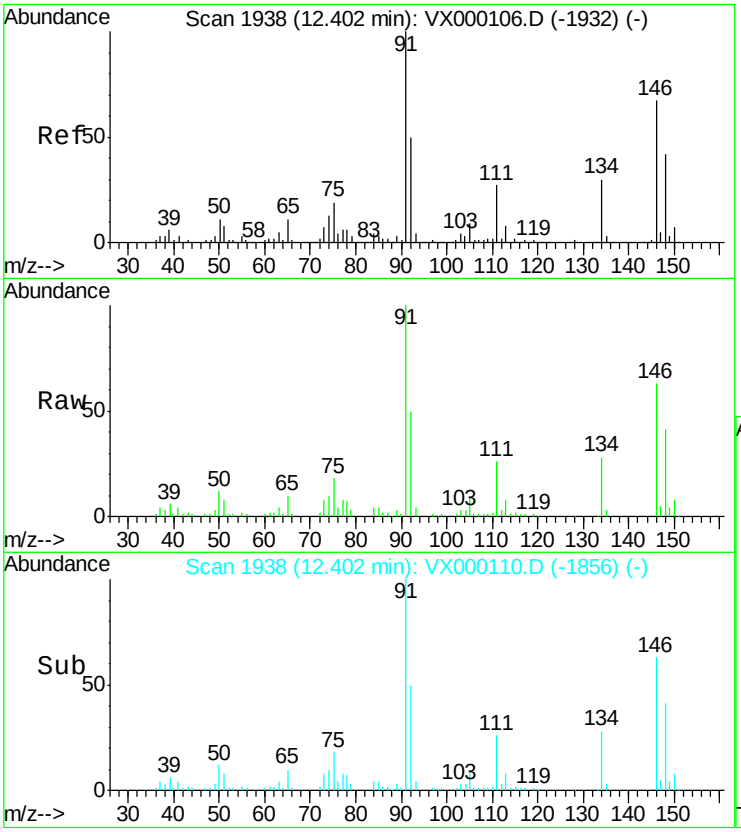



#86
Hexachloroethane
Concen: 4.75 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:117 Resp: 4041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 75.2 | 38.9 | 116.6 |

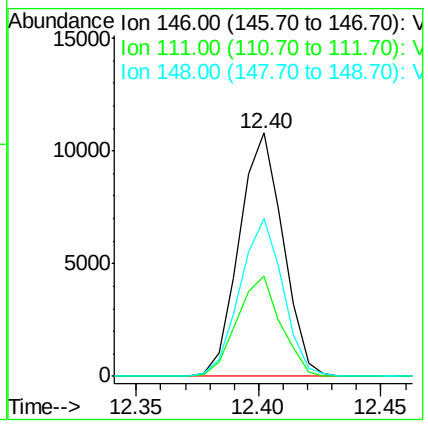





#87
1,2-Dichlorobenzene
Concen: 4.88 ug/l
RT: 12.40 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:146 Resp: 13442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 20.0 | 60.0 |
| 148 | 63.7 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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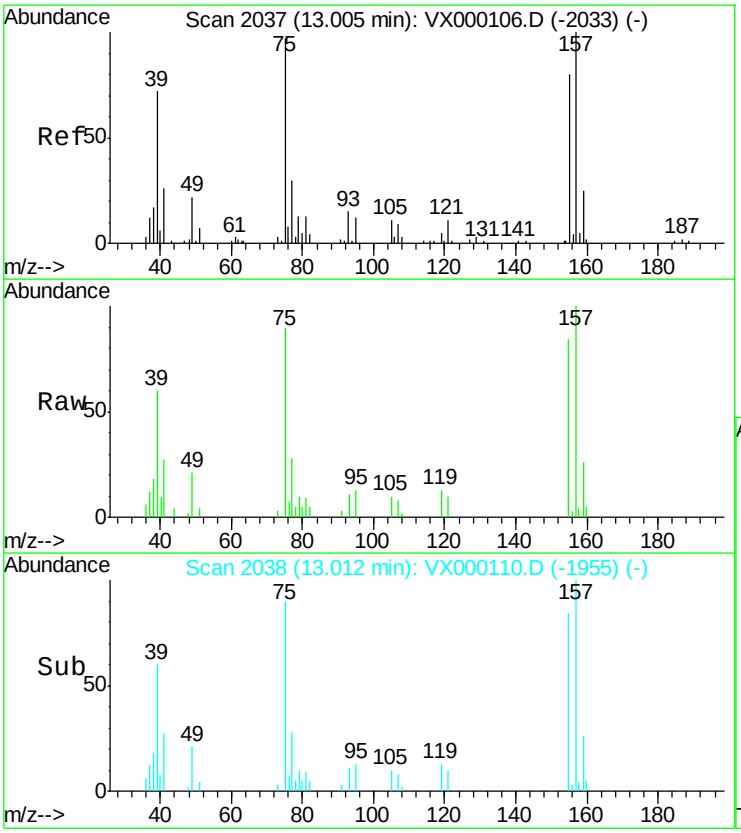
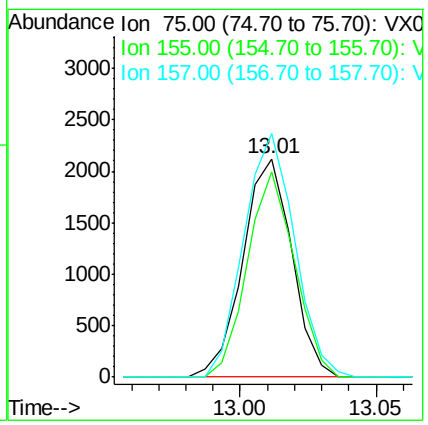
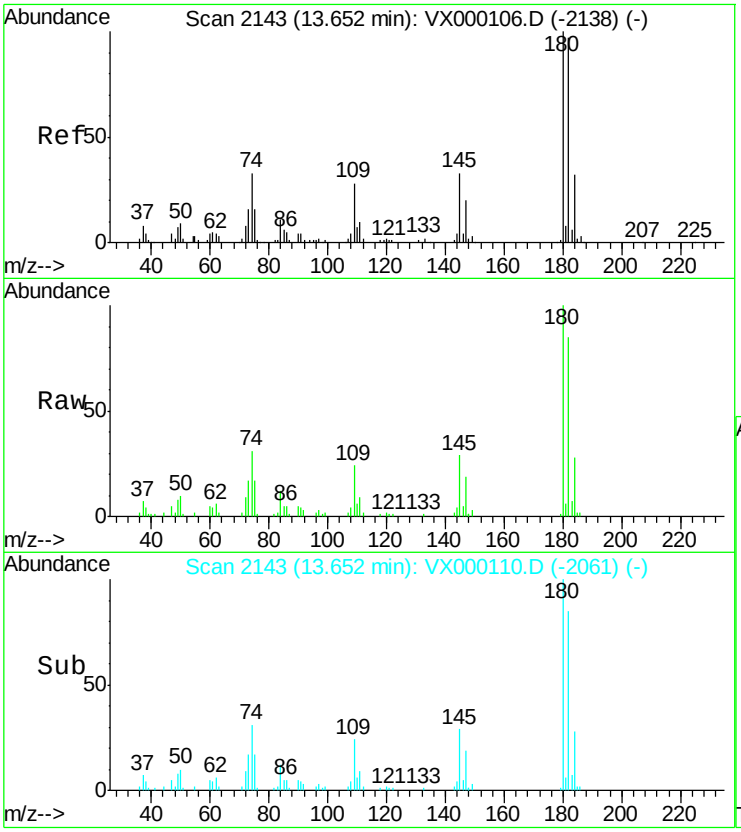



#88
1,2-Dibromo-3-Chloropropane
Concen: 5.00 ug/l
RT: 13.01 min Scan# 2038
Delta R.T. 0.01 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion: 75 Resp: 2652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 90.2 | 75.1 | 112.7 |
| 157 | 115.3 | 99.0 | 148.4 |

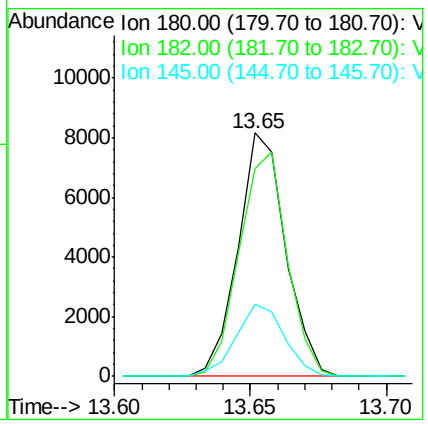





#89
1,2,4-Trichlorobenzene
Concen: 5.02 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:180 Resp: 9907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.5 | 76.3 | 114.5 |
| 145 | 30.2 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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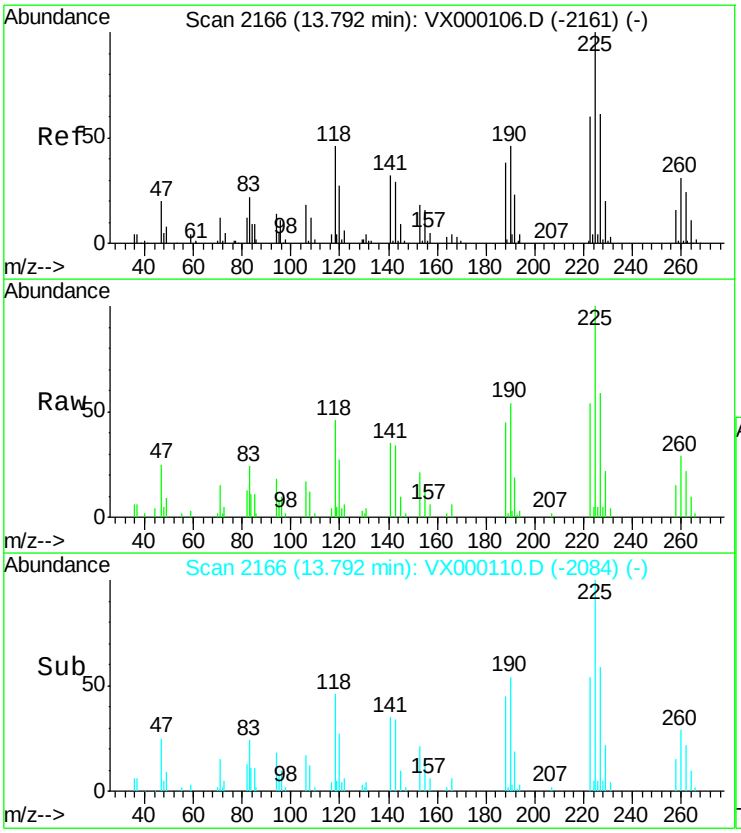
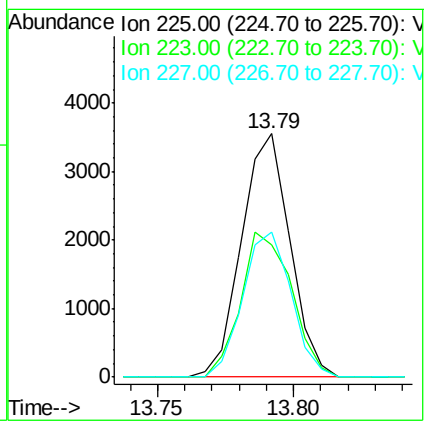
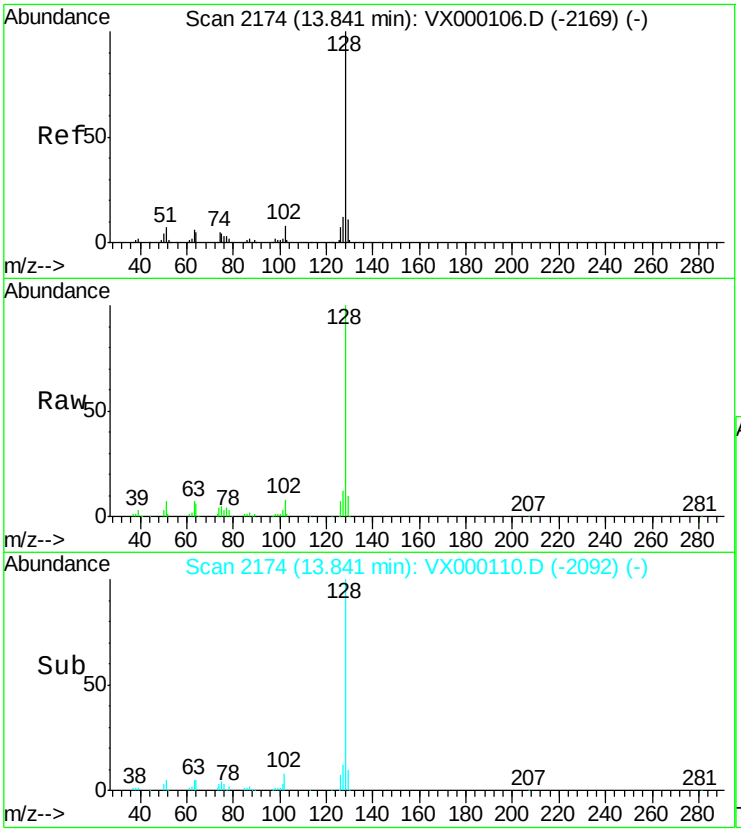



#90
Hexachlorobutadiene
Concen: 5.34 ug/l
RT: 13.79 min Scan# 2166
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:225 Resp: 4390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 0.0 | 131.2 |
| 227 | 59.4 | 0.0 | 127.6 |

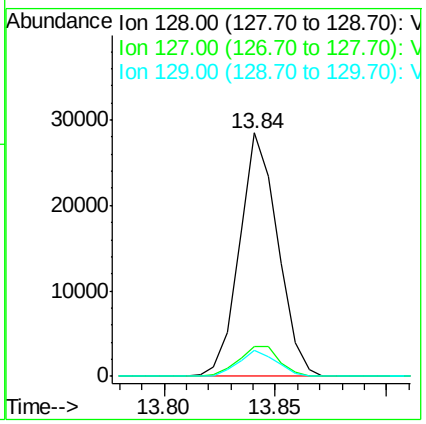





#91
Naphthalene
Concen: 4.83 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:128 Resp: 34202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.3 | 10.5 | 15.7 |
| 129 | 10.4 | 9.0 | 13.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**
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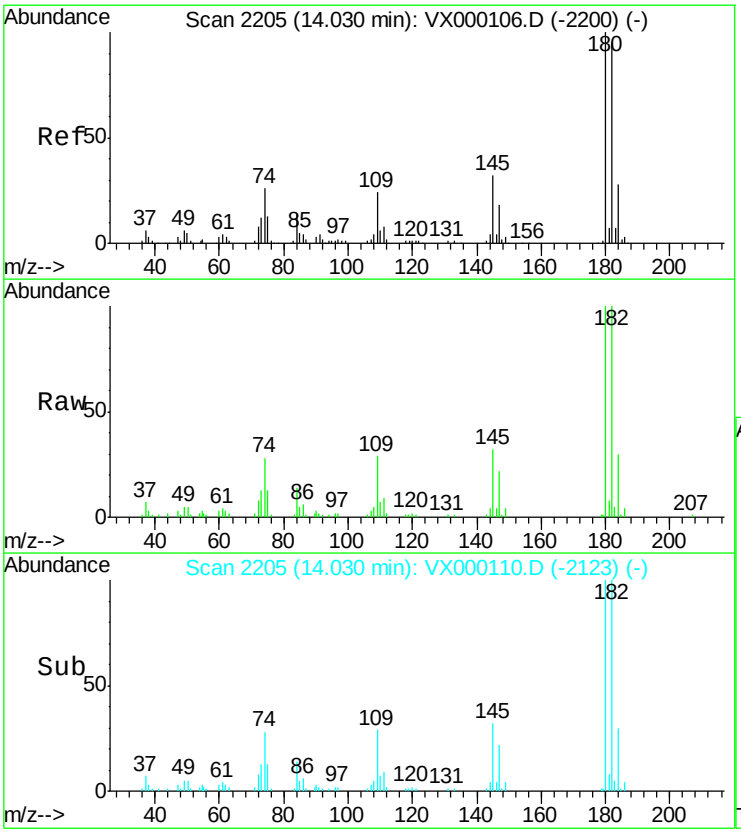


#92
1,2,3-Trichlorobenzene
Concen: 4.97 ug/l
RT: 14.03 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VX000110.D
Acq: 20 Feb 2018 16:04

Tgt Ion:180 Resp: 9978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 0.0 | 188.6 |
| 145 | 32.9 | 0.0 | 65.8 |