Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Data File : VW005889.D
Acq On : 08 Oct 2018 11:49
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Quant Time: Oct 09 01:59:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.96 | 168 | 8831 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.85 | 114 | 12040 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 9570 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152 | 3925 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.31 | 65 | 3946 | 46.03 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.06% | | | | |
| 35) Dibromofluoromethane | 7.90 | 113 | 3574 | 46.49 | ug/l | | 0.01 |
| Spiked Amount 50.000 | | | Recovery = 92.98% | | | | |
| 50) Toluene-d8 | 10.33 | 98 | 14670 | 49.60 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.20% | | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 4287 | 38.10 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 76.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.00 | 85 | 2661 | 61.49 | ug/l | | 96 |
| 3) Chloromethane | 2.21 | 50 | 4247 | 83.43 | ug/l | | 97 |
| 4) Vinyl Chloride | 2.36 | 62 | 4030 | 49.87 | ug/l | | 98 |
| 5) Bromomethane | 2.79 | 94 | 3012 | 47.23 | ug/l | | 87 |
| 6) Chloroethane | 2.93 | 64 | 2695 | 52.34 | ug/l | | 89 |
| 7) Trichlorofluoromethane | 3.28 | 101 | 6739 | 105.05 | ug/l | | 99 |
| 8) Diethyl Ether | 3.68 | 74 | 1942 | 49.19 | ug/l | | 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 4467 | 55.18 | ug/l | | 95 |
| 10) Methyl Iodide | 4.28 | 142 | 6327 | 47.79 | ug/l | | 99 |
| 11) Tert butyl alcohol | 5.20 | 59 | 77 | 12.26 | ug/l | # | 1 |
| 12) 1,1-Dichloroethene | 4.04 | 96 | 4194 | 53.95 | ug/l | | 94 |
| 13) Acrolein | 3.89 | 56 | 1099 | 196.29 | ug/l | # | 1 |
| 14) Allyl chloride | 4.68 | 41 | 5805 | 43.79 | ug/l | # | 80 |
| 15) Acrylonitrile | 5.38 | 53 | 3451 | 200.86 | ug/l | | 95 |
| 16) Acetone | 4.12 | 43 | 5313 | 310.27 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.39 | 76 | 12286 | 52.27 | ug/l | | 99 |
| 18) Methyl Acetate | 4.67 | 43 | 2067 | 47.83 | ug/l | | 99 |
| 19) Methyl tert-butyl Ether | 5.42 | 73 | 8853 | 73.20 | ug/l | | 96 |
| 20) Methylene Chloride | 4.92 | 84 | 3995 | 46.57 | ug/l | | 94 |
| 21) trans-1,2-Dichloroethene | 5.43 | 96 | 4286 | 50.58 | ug/l | | 94 |
| 22) Diisopropyl ether | 6.31 | 45 | 11627 | 46.92 | ug/l | | 99 |
| 23) Vinyl Acetate | 6.26 | 43 | 26526 | 173.90 | ug/l | | 100 |
| 24) 1,1-Dichloroethane | 6.22 | 63 | 7453 | 49.14 | ug/l | | 98 |
| 25) 2-Butanone | 7.18 | 43 | 4947 | 203.12 | ug/l | | 92 |
| 26) 2,2-Dichloropropane | 7.17 | 77 | 6728 | 63.03 | ug/l | | 97 |
| 27) cis-1,2-Dichloroethene | 7.17 | 96 | 4381 | 45.72 | ug/l | | 85 |
| 28) Bromochloromethane | 7.51 | 49 | 2316 | 41.37 | ug/l | | 96 |
| 29) Tetrahydrofuran | 7.54 | 42 | 2690 | 174.72 | ug/l | | 95 |
| 30) Chloroform | 7.68 | 83 | 7391 | 47.45 | ug/l | | 98 |
| 31) Cyclohexane | 7.96 | 56 | 7663 | 51.06 | ug/l | | 94 |
| 32) 1,1,1-Trichloroethane | 7.87 | 97 | 7791 | 56.16 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 8.09 | 75 | 6154 | 53.34 | ug/l | | 96 |
| 37) Ethyl Acetate | 7.26 | 43 | 2342 | 47.94 | ug/l | # | 92 |
| 38) Carbon Tetrachloride | 8.07 | 117 | 7064 | 56.99 | ug/l | | 94 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Data File : VW005889.D
Acq On : 08 Oct 2018 11:49
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Quant Time: Oct 09 01:59:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 9.34 | 83 | 8638 | 56.77 | ug/l | | 99 |
| 40) Benzene | 8.33 | 78 | 16651 | 52.73 | ug/l | | 99 |
| 41) Methacrylonitrile | 7.49 | 41 | 1997 | 65.29 | ug/l | # | 42 |
| 42) 1,2-Dichloroethane | 8.40 | 62 | 4443 | 46.58 | ug/l | | 80 |
| 43) Isopropyl Acetate | 8.43 | 43 | 4841 | 47.44 | ug/l | # | 83 |
| 44) Trichloroethene | 9.10 | 130 | 4860 | 53.05 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 9.37 | 63 | 4004 | 50.66 | ug/l | | 96 |
| 46) Dibromomethane | 9.46 | 93 | 2337 | 53.80 | ug/l | # | 82 |
| 47) Bromodichloromethane | 9.65 | 83 | 5506 | 50.37 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.45 | 41 | 2713 | 55.81 | ug/l | | 87 |
| 49) 1,4-Dioxane | 9.45 | 88 | 690 | 1045.74 | ug/l | # | 52 |
| 51) 4-Methyl-2-Pentanone | 10.21 | 43 | 11219 | 225.75 | ug/l | | 98 |
| 52) Toluene | 10.40 | 92 | 10327 | 49.78 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.60 | 75 | 4545 | 39.79 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.08 | 75 | 5911 | 46.03 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 10.79 | 97 | 2733 | 45.42 | ug/l | # | 78 |
| 56) Ethyl methacrylate | 10.65 | 69 | 3495 | 43.10 | ug/l | # | 87 |
| 57) 1,3-Dichloropropane | 10.93 | 76 | 4599 | 45.44 | ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 9.93 | 63 | 3580 | 108.50 | ug/l | | 97 |
| 59) 2-Hexanone | 10.98 | 43 | 6807 | 191.03 | ug/l | | 95 |
| 60) Dibromochloromethane | 11.13 | 129 | 3280 | 42.25 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.24 | 107 | 2542 | 42.28 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.87 | 164 | 4304 | 60.38 | ug/l | | 95 |
| 65) Chlorobenzene | 11.66 | 112 | 10394 | 50.70 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.73 | 131 | 3972 | 52.86 | ug/l | | 92 |
| 67) Ethyl Benzene | 11.74 | 91 | 19695 | 54.39 | ug/l | | 97 |
| 68) m/p-Xylenes | 11.84 | 106 | 15416 | 108.95 | ug/l | | 96 |
| 69) o-Xylene | 12.17 | 106 | 7505 | 55.40 | ug/l | | 93 |
| 70) Styrene | 12.18 | 104 | 10046 | 44.70 | ug/l | | 95 |
| 71) Bromoform | 12.35 | 173 | 1835 | 41.00 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.47 | 105 | 21051 | 73.44 | ug/l | | 99 |
| 74) N-amyl acetate | 12.28 | 43 | 3357 | 49.31 | ug/l | # | 86 |
| 75) 1,1,2,2-Tetrachloroethane | 12.72 | 83 | 2956 | 62.92 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.77 | 75 | 3336 | 55.53 | ug/l | # | 100 |
| 77) Bromobenzene | 12.75 | 156 | 3816 | 56.19 | ug/l | | 98 |
| 78) n-propylbenzene | 12.81 | 91 | 23236 | 68.91 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.90 | 91 | 12425 | 65.28 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.95 | 105 | 16744 | 69.19 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75 | 710 | 42.75 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 12.99 | 91 | 11812 | 58.98 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.21 | 119 | 15913 | 73.93 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 16134 | 66.09 | ug/l | | 97 |
| 85) sec-Butylbenzene | 13.39 | 105 | 21919 | 72.55 | ug/l | | 97 |
| 86) p-Isopropyltoluene | 13.51 | 119 | 17575 | 64.68 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.51 | 146 | 6820 | 50.55 | ug/l | | 94 |
| 88) 1,4-Dichlorobenzene | 13.58 | 146 | 6173 | 46.04 | ug/l | | 97 |
| 89) n-Butylbenzene | 13.83 | 91 | 13606 | 53.12 | ug/l | | 99 |
| 90) Hexachloroethane | 14.10 | 117 | 3563 | 69.72 | ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 13.88 | 146 | 5914 | 49.37 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75 | 278 | 31.75 | ug/l | | 93 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Data File : VW005889.D
Acq On : 08 Oct 2018 11:49
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Quant Time: Oct 09 01:59:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 15.15 | 180 | 1302 | 14.02 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 15.24 | 225 | 2242 | 38.67 | ug/l | | 98 |
| 95) Naphthalene | 15.38 | 128 | 1678 | 10.48 | ug/l | # | 92 |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180 | 773 | 9.61 | ug/l | | 93 |

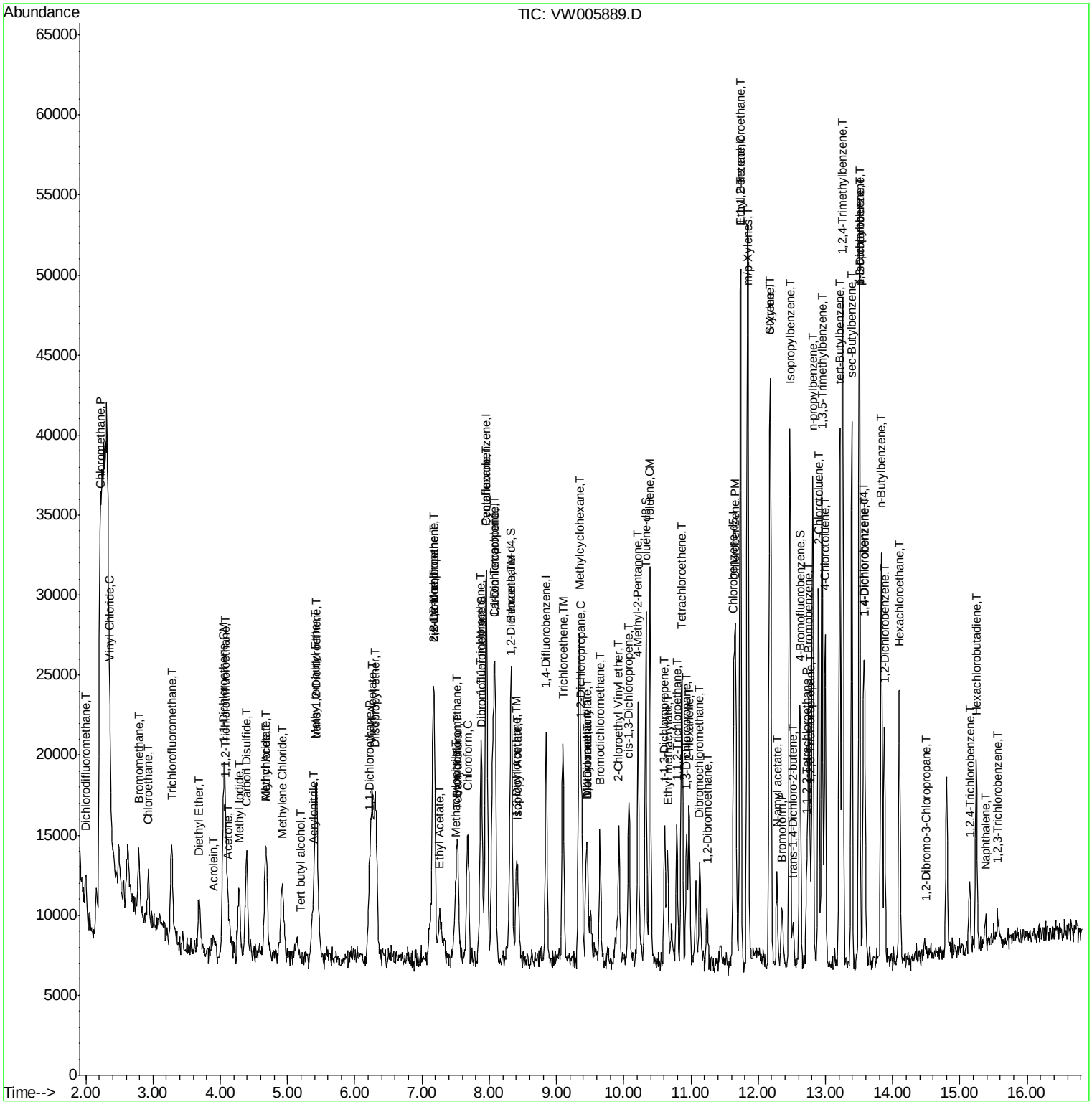
(#) = qualifier out of range (m) = manual integration (+) = signals summed

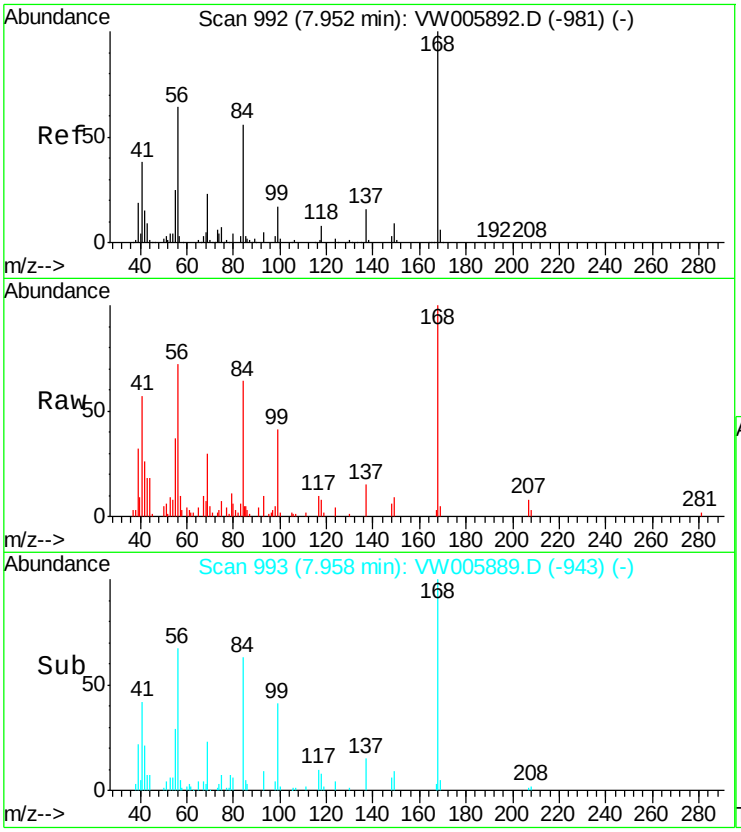
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Data File : VW005889.D
Acq On : 08 Oct 2018 11:49
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Quant Time: Oct 09 01:59:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration



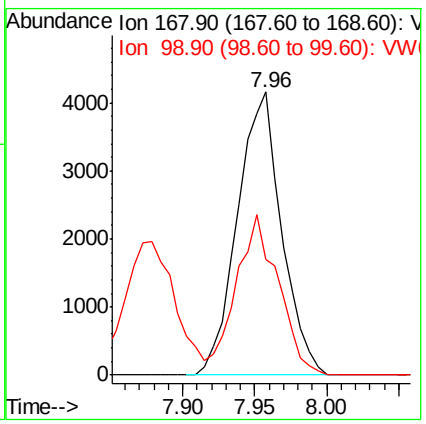


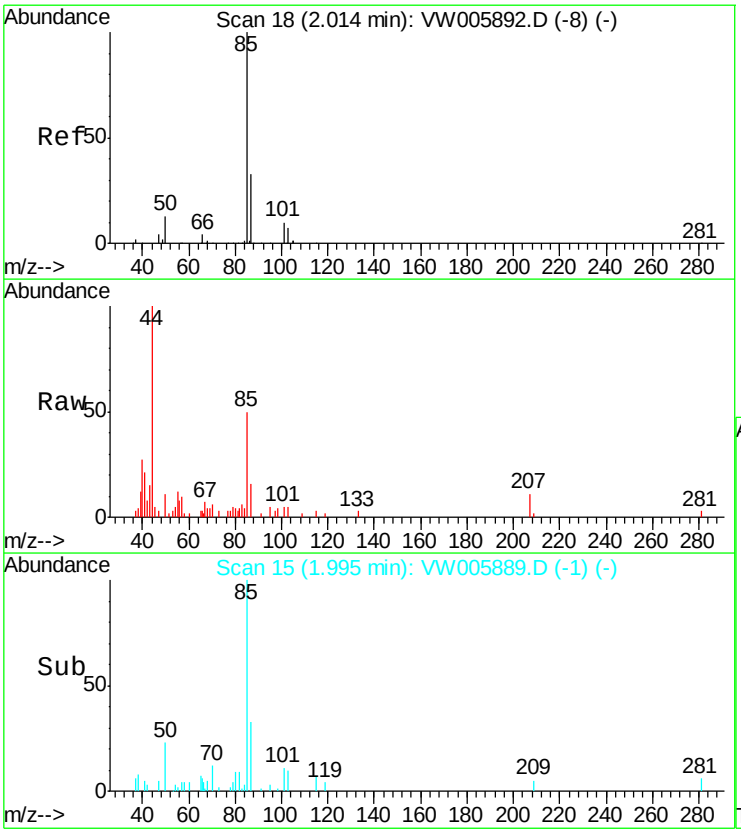

#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 8831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 40.7 | 40.9 | 61.3# |

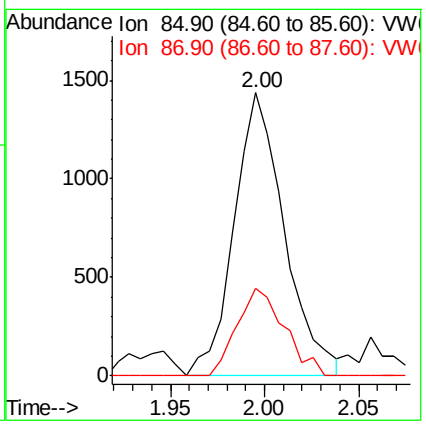


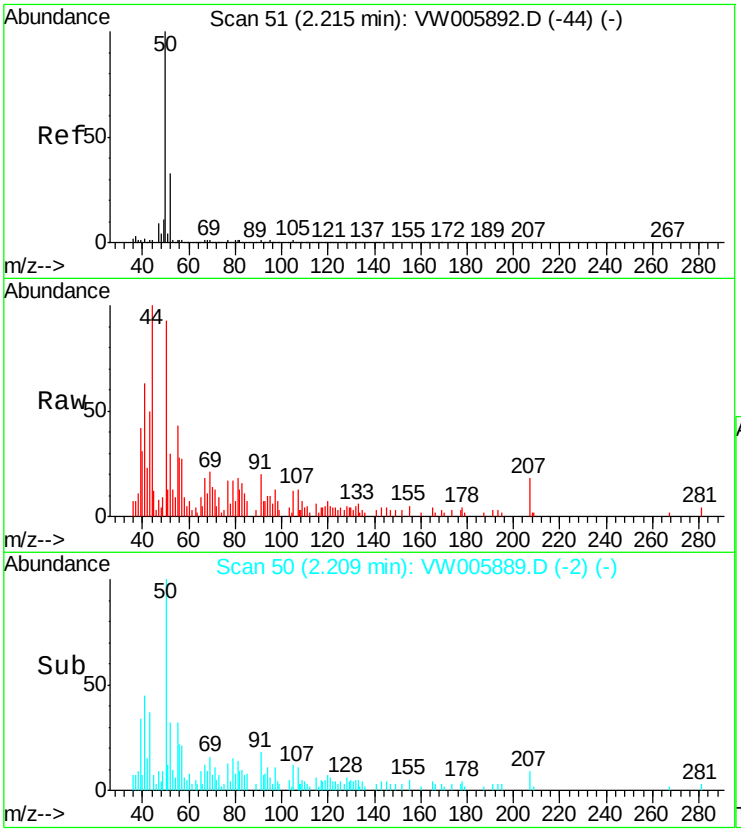




#2
Dichlorodifluoromethane
Concen: 61.49 ug/l
RT: 2.00 min Scan# 15
Delta R.T. -0.02 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 85 Resp: 2661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 16.6 | 49.8 |



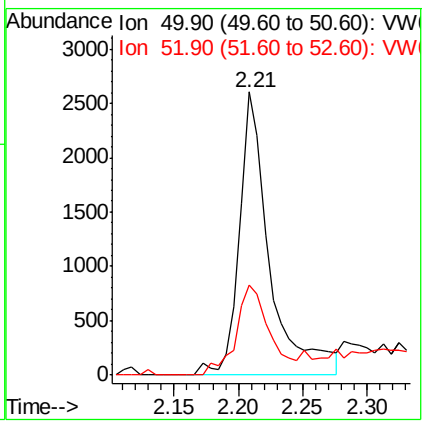


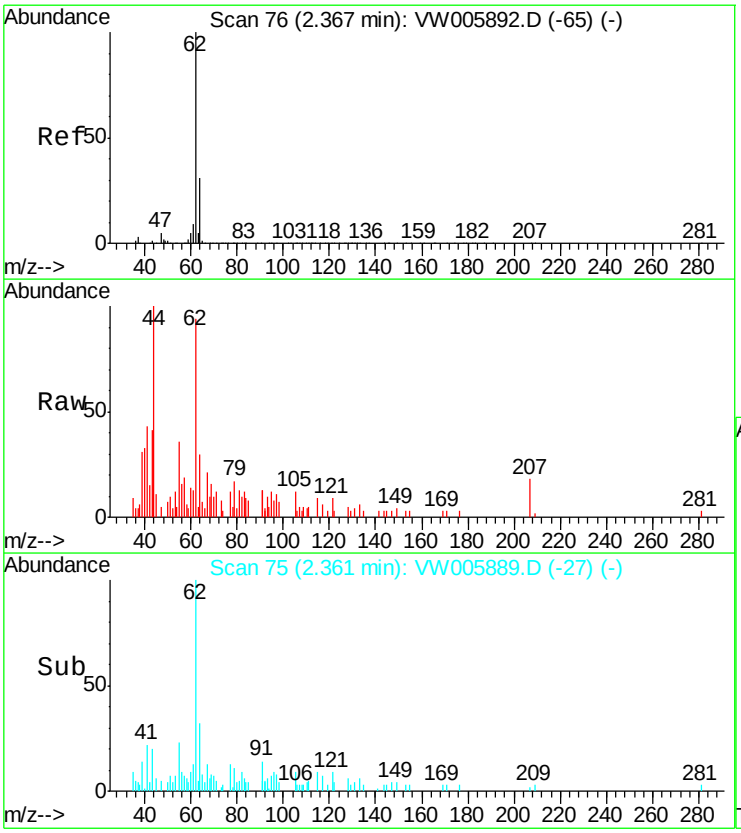

#3
Chloromethane
Concen: 83.43 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 4247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 26.7 | 40.1 |

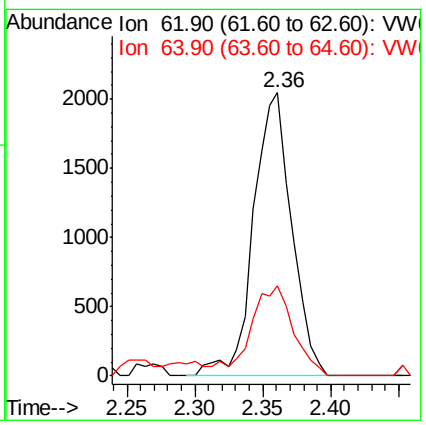


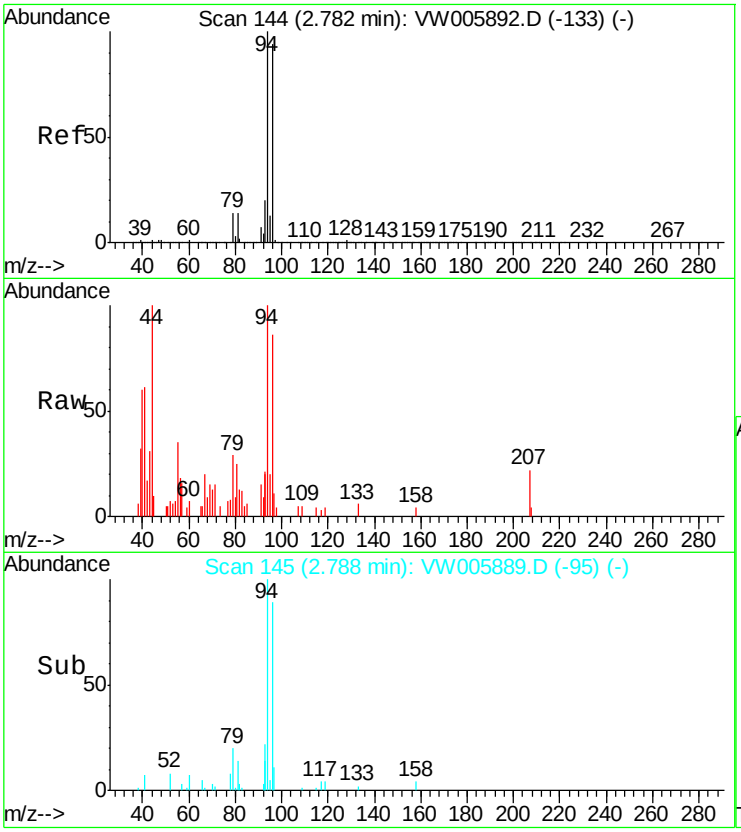




#4
Vinyl Chloride
Concen: 49.87 ug/l
RT: 2.36 min Scan# 75
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 62 Resp: 4030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 24.6 | 36.8 |



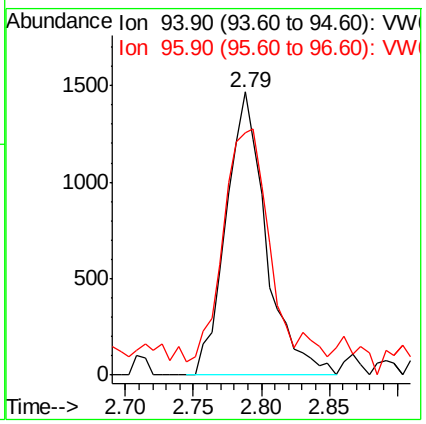


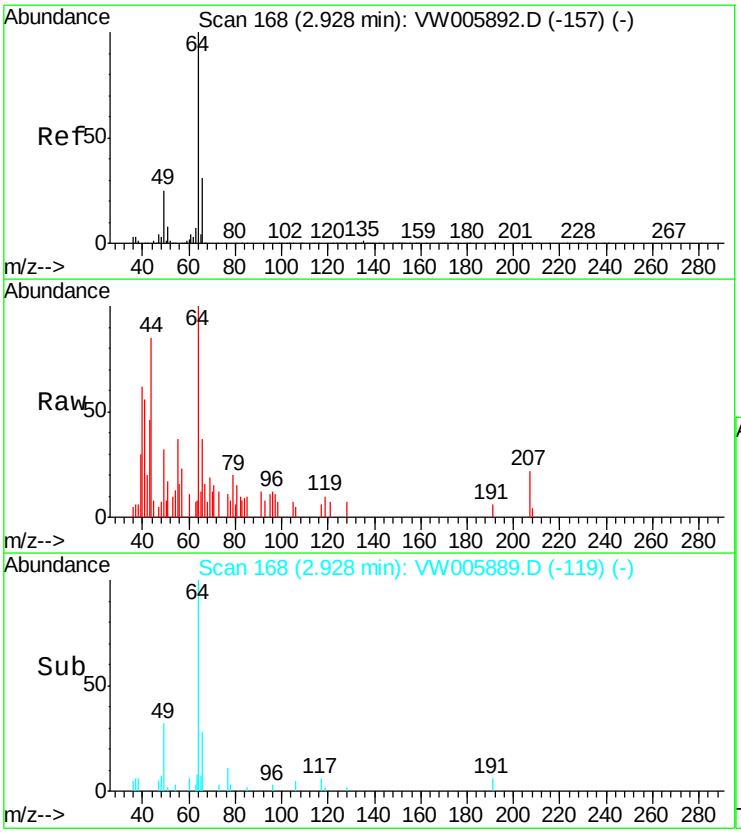

#5
Bromomethane
Concen: 47.23 ug/l
RT: 2.79 min Scan# 145
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 3012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 80.8 | 75.0 | 112.4 |

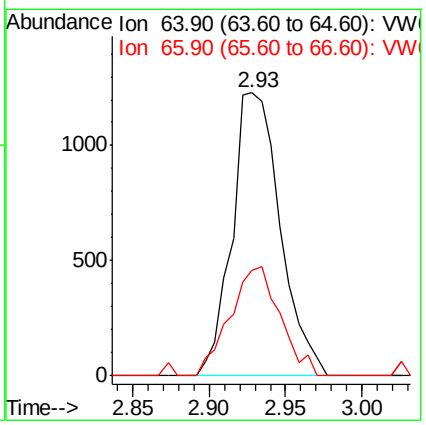


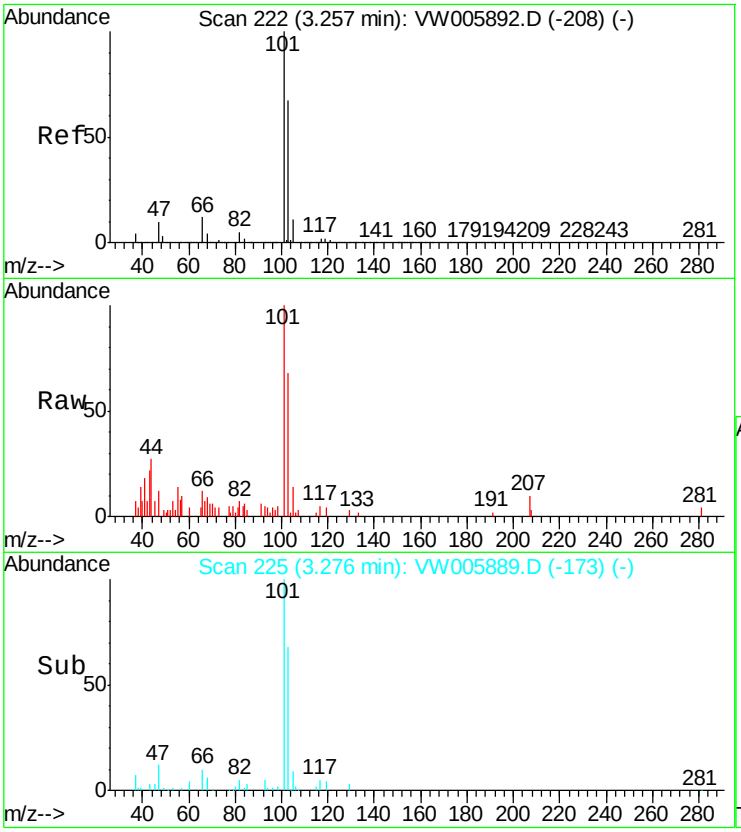




#6
Chloroethane
Concen: 52.34 ug/l
RT: 2.93 min Scan# 168
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 64 Resp: 2695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 37.3 | 25.0 | 37.4 |



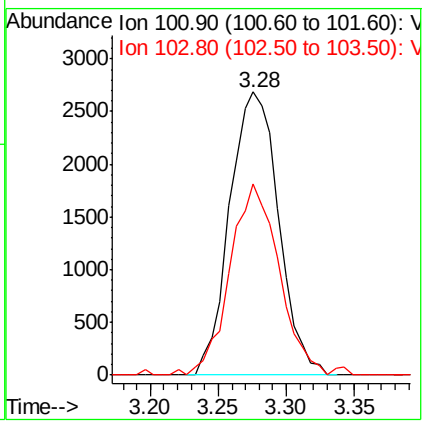


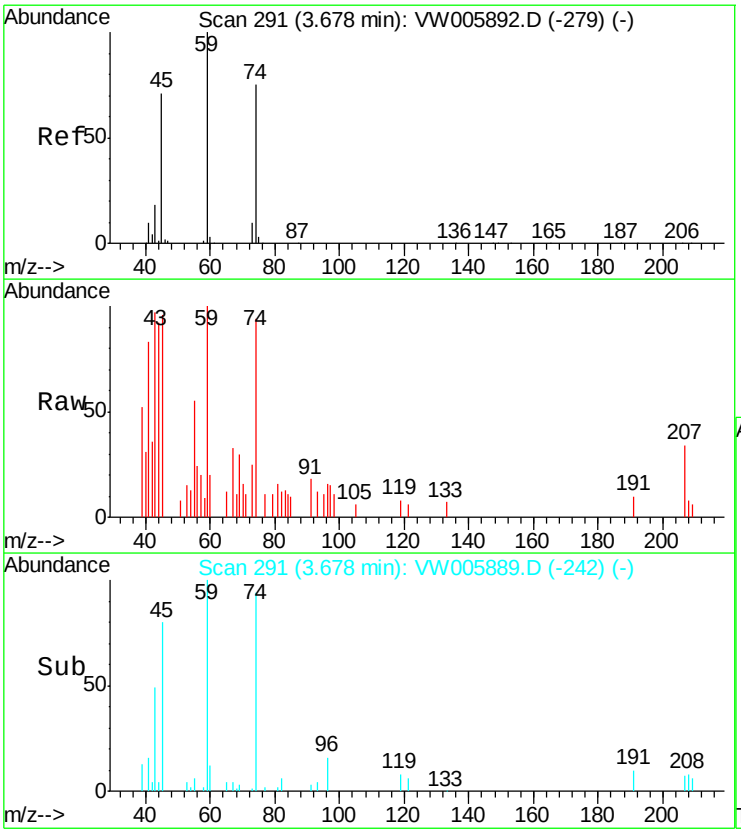

#7
Trichlorofluoromethane
Concen: 105.05 ug/l
RT: 3.28 min Scan# 225
Delta R.T. 0.02 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 6739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.7 | 53.5 | 80.3 |

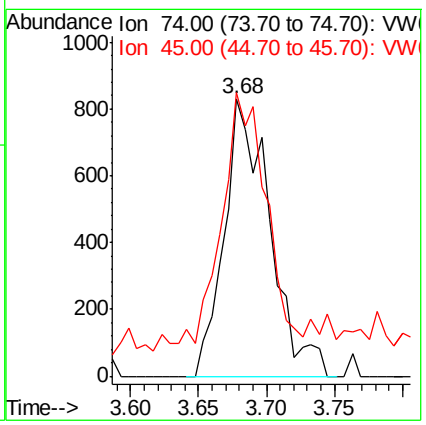


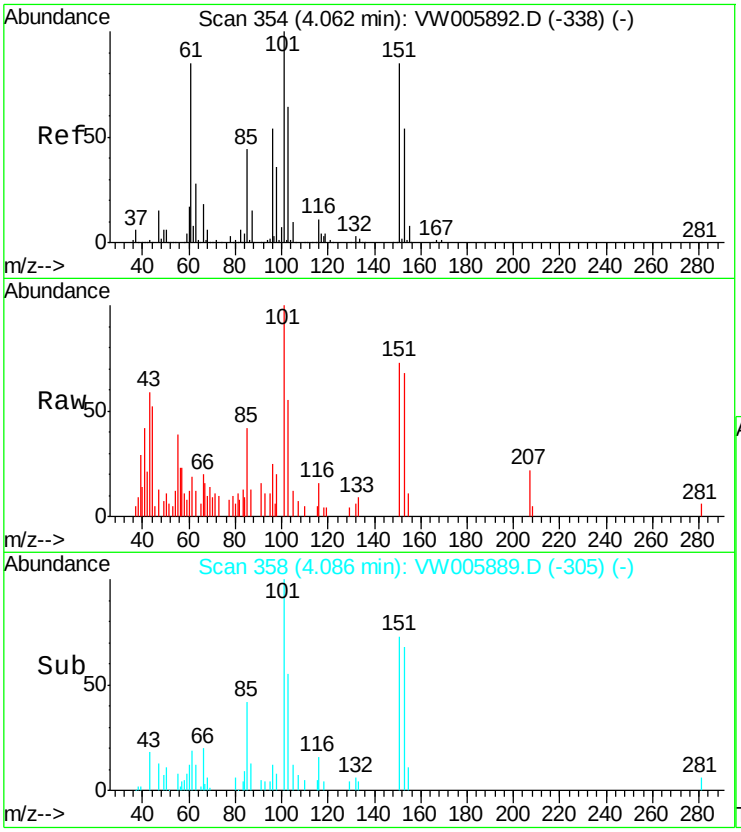




#8
Diethyl Ether
Concen: 49.19 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 74 Resp: 1942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 93.3 | 46.8 | 140.4 |



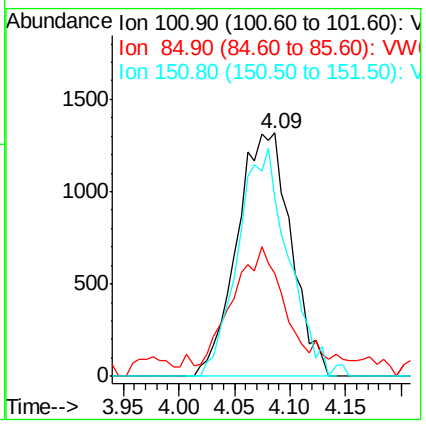


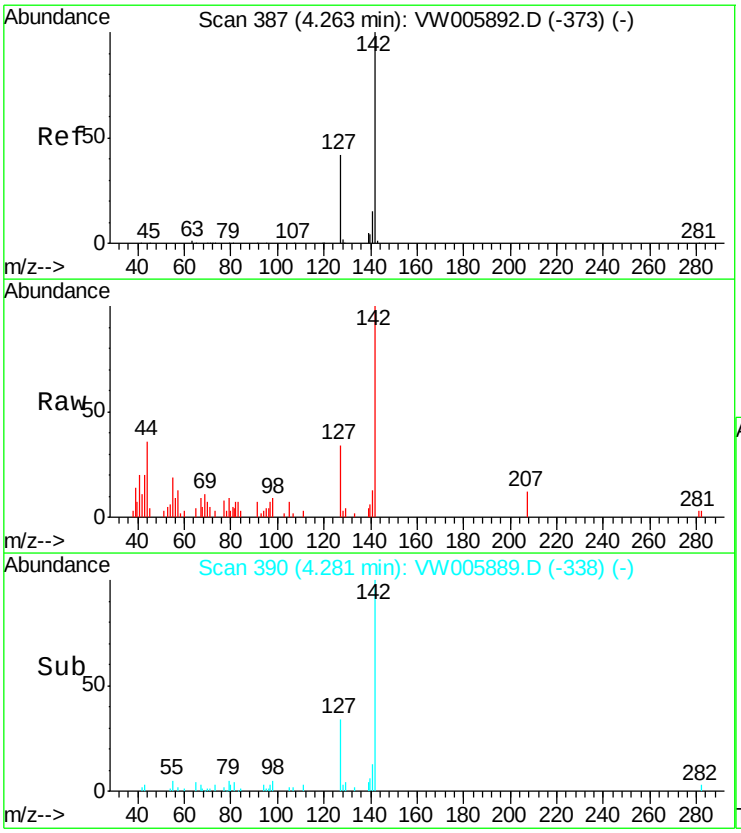

#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.18 ug/l
RT: 4.09 min Scan# 358
Delta R.T. 0.02 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 4467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.8 | 35.1 | 52.7 |
| 151 | 87.2 | 67.7 | 101.5 |

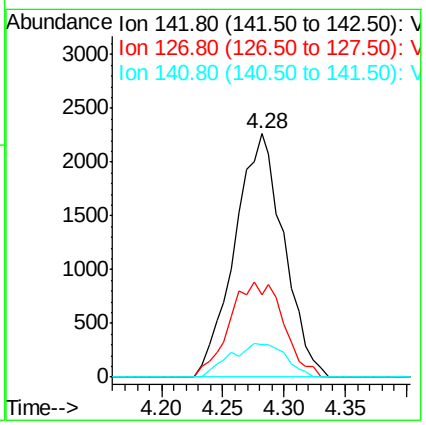


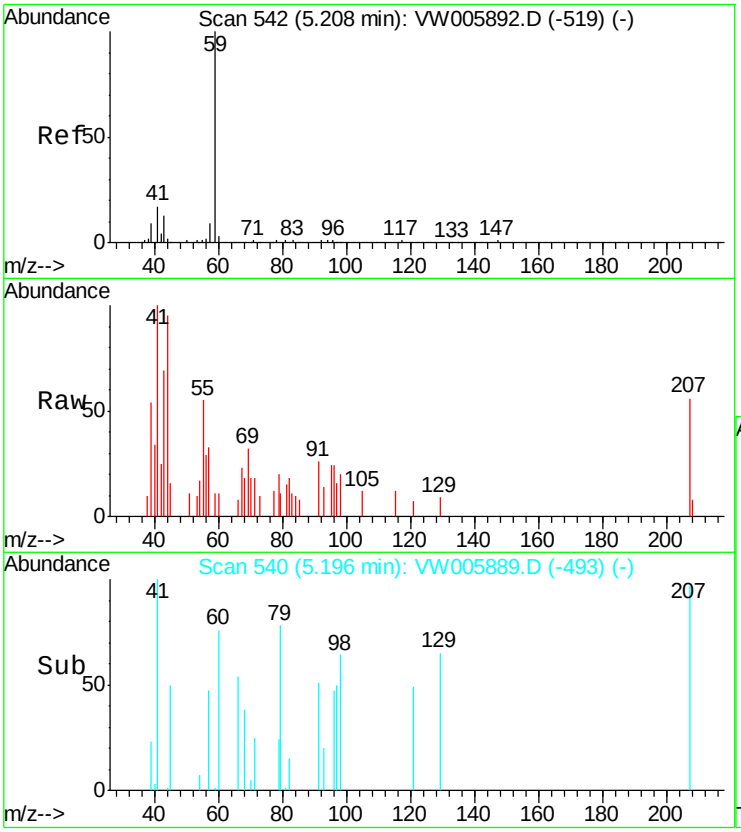




#10
Methyl Iodide
Concen: 47.79 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.02 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:142 Resp: 6327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 42.5 | 33.7 | 50.5 |
| 141 | 15.5 | 11.5 | 17.3 |



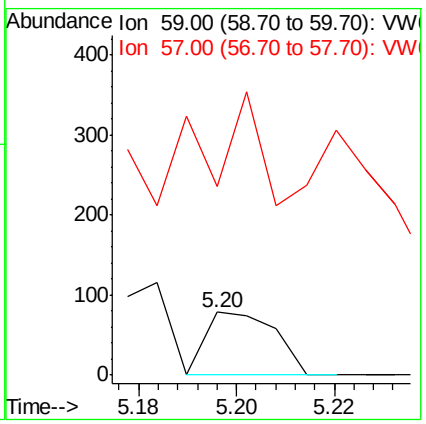


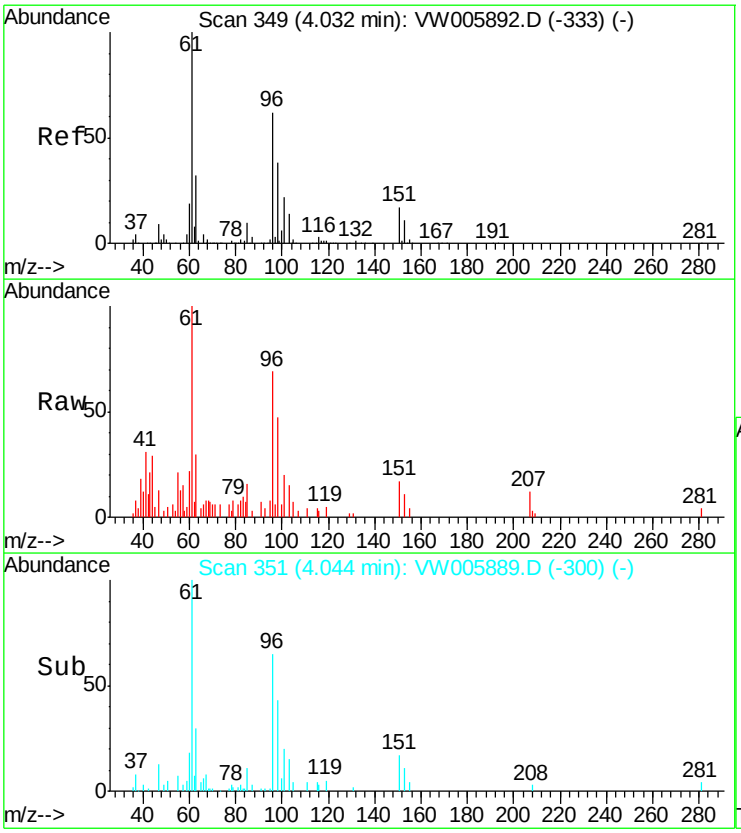

#11
Tert butyl alcohol
Concen: 12.26 ug/l
RT: 5.20 min Scan# 540
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 77

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 197.4 | 7.7 | 11.5# |

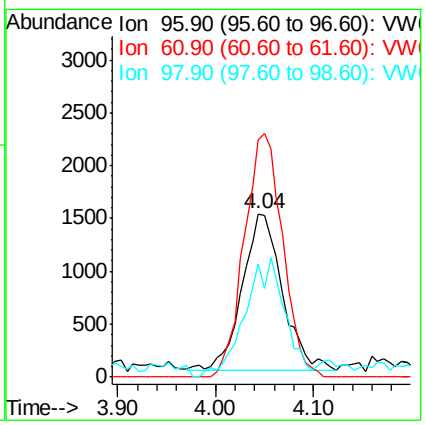


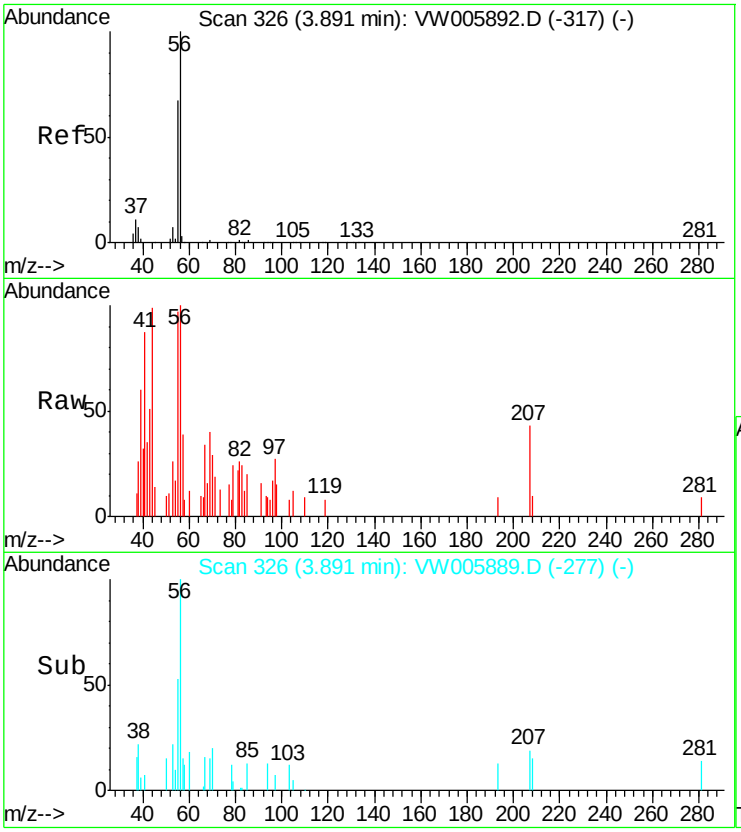




#12
1,1-Dichloroethene
Concen: 53.95 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 96 Resp: 4194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.0 | 128.6 | 193.0 |
| 98 | 65.4 | 49.4 | 74.0 |



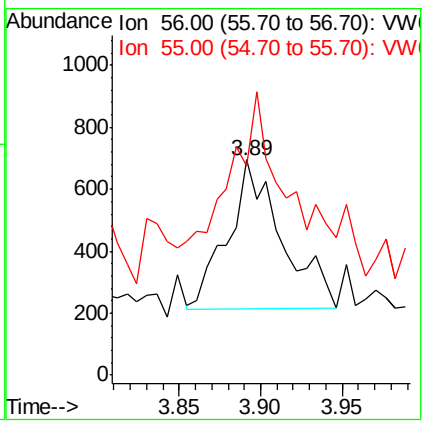


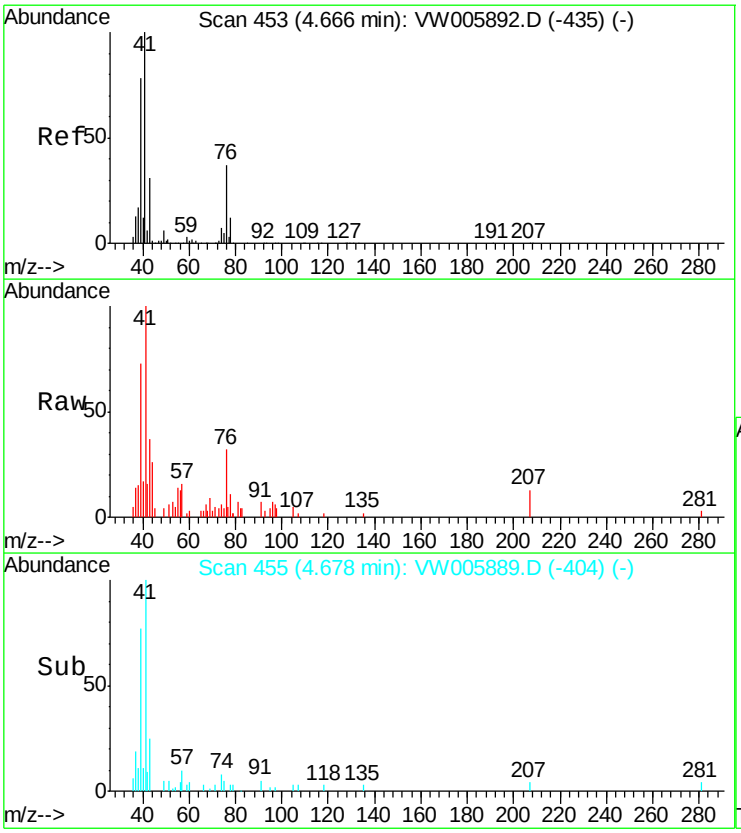

#13
Acrolein
Concen: 196.29 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 1099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 150.5 | 54.6 | 82.0# |

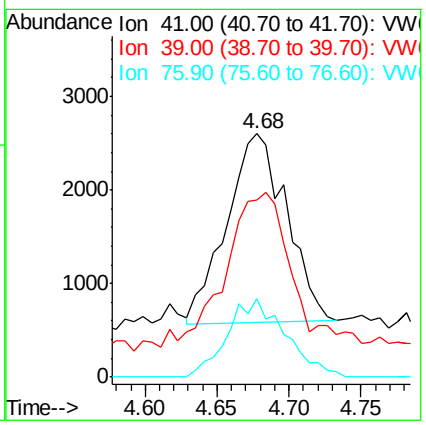


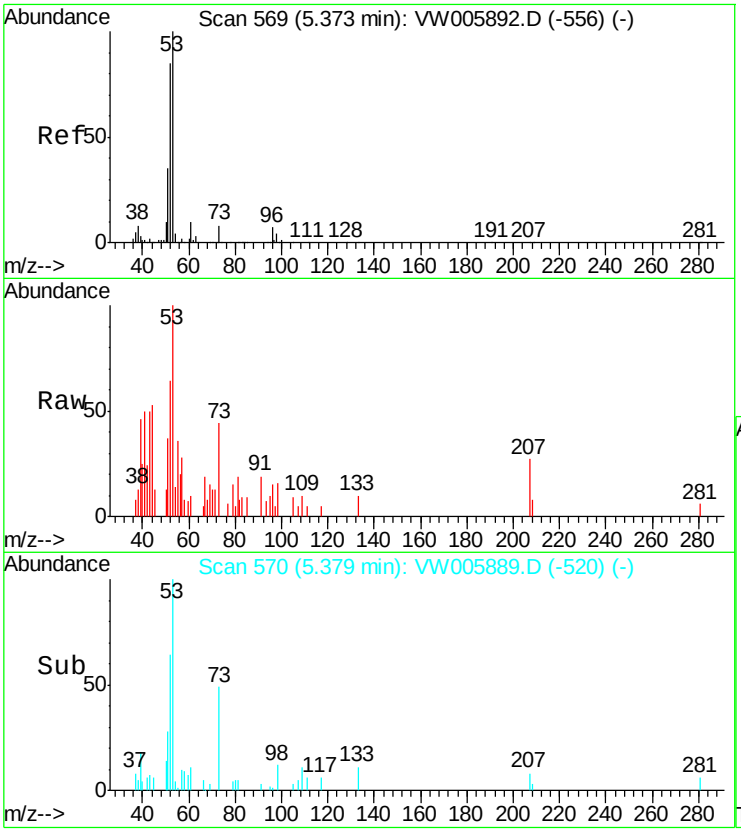




#14
Allyl chloride
Concen: 43.79 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 41 Resp: 5805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 99.3 | 60.8 | 91.2# |
| 76 | 40.6 | 29.6 | 44.4 |



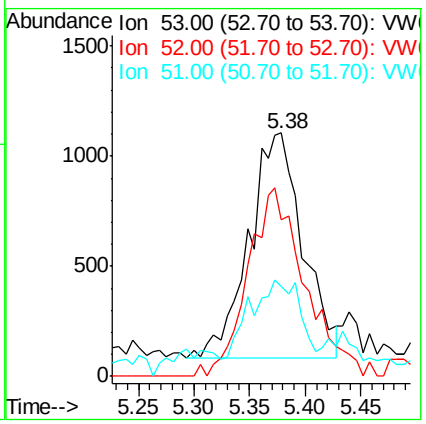


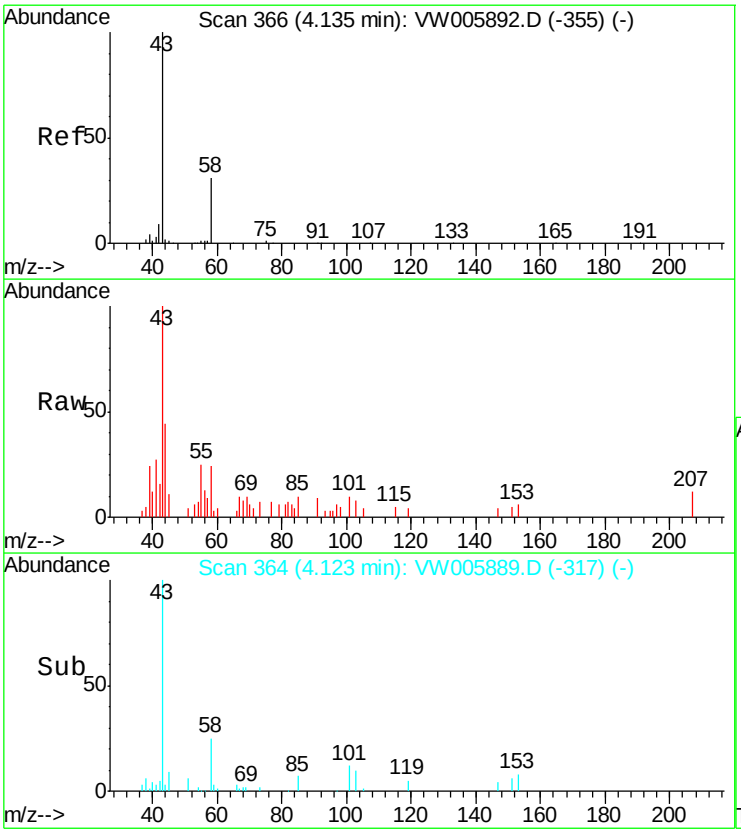

#15
Acrylonitrile
Concen: 200.86 ug/l
RT: 5.38 min Scan# 570
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 3451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 88.7 | 66.8 | 100.2 |
| 51 | 35.0 | 29.8 | 44.6 |

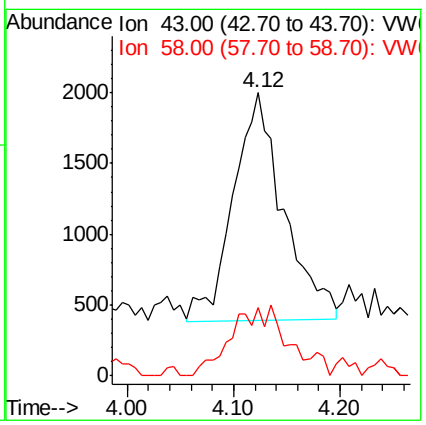


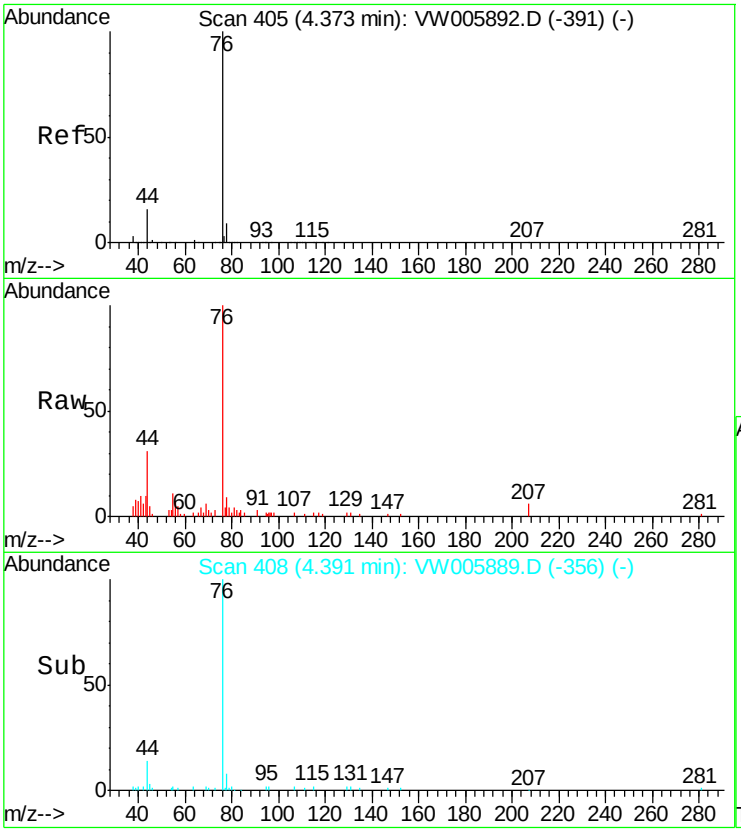




#16
Acetone
Concen: 310.27 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 43 Resp: 5313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 24.7 | 37.1 |



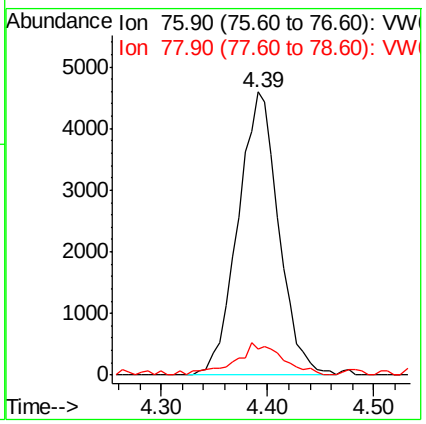


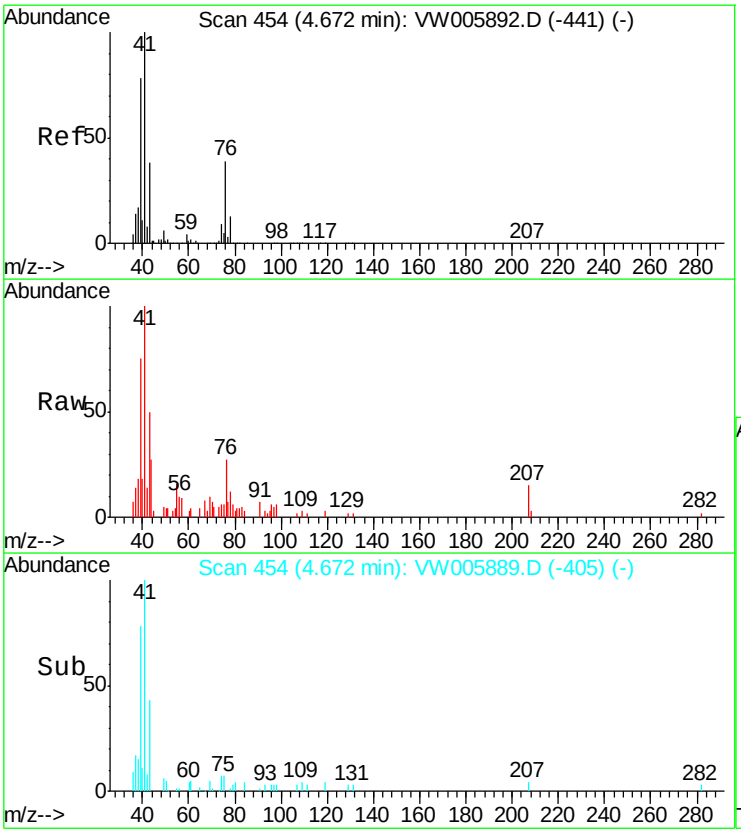

#17
Carbon Disulfide
Concen: 52.27 ug/l
RT: 4.39 min Scan# 408
Delta R.T. 0.02 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 12286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.0 |

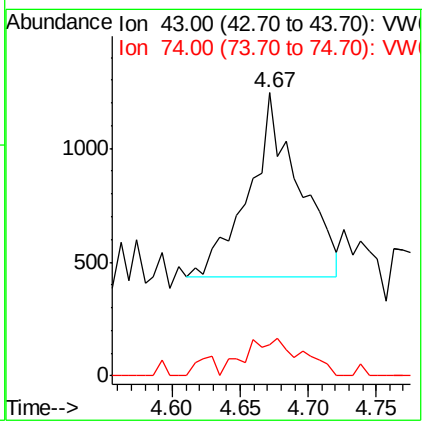


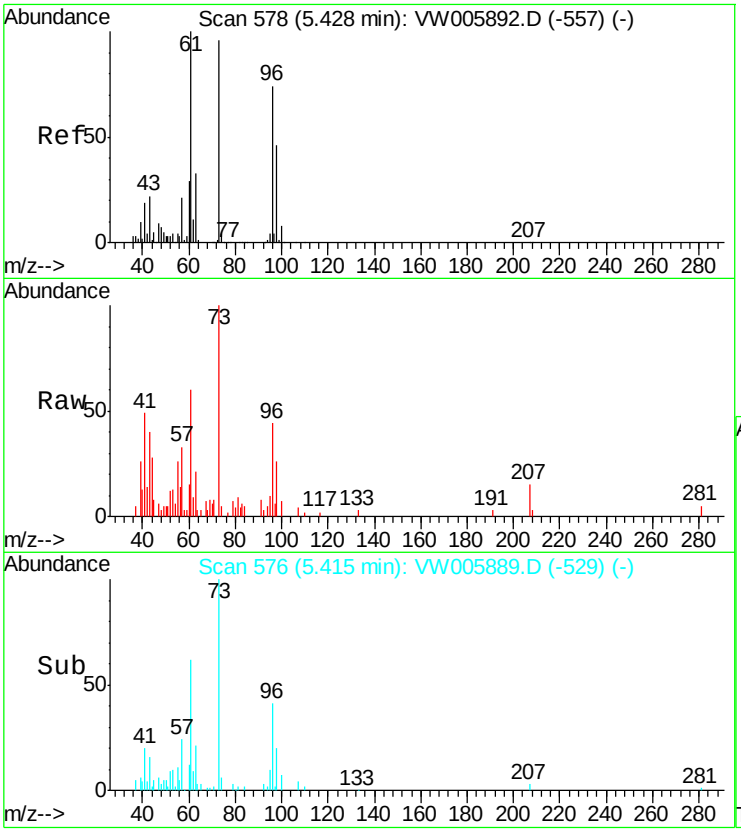




#18
Methyl Acetate
Concen: 47.83 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 43 Resp: 2067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.3 | 19.2 | 28.8 |



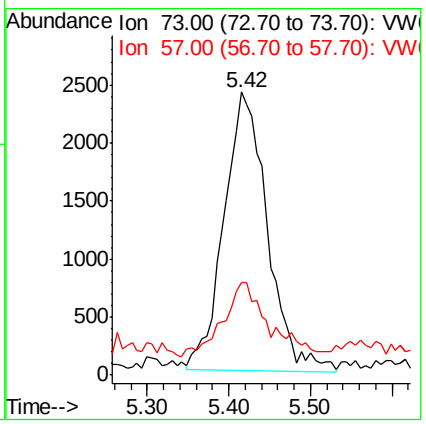


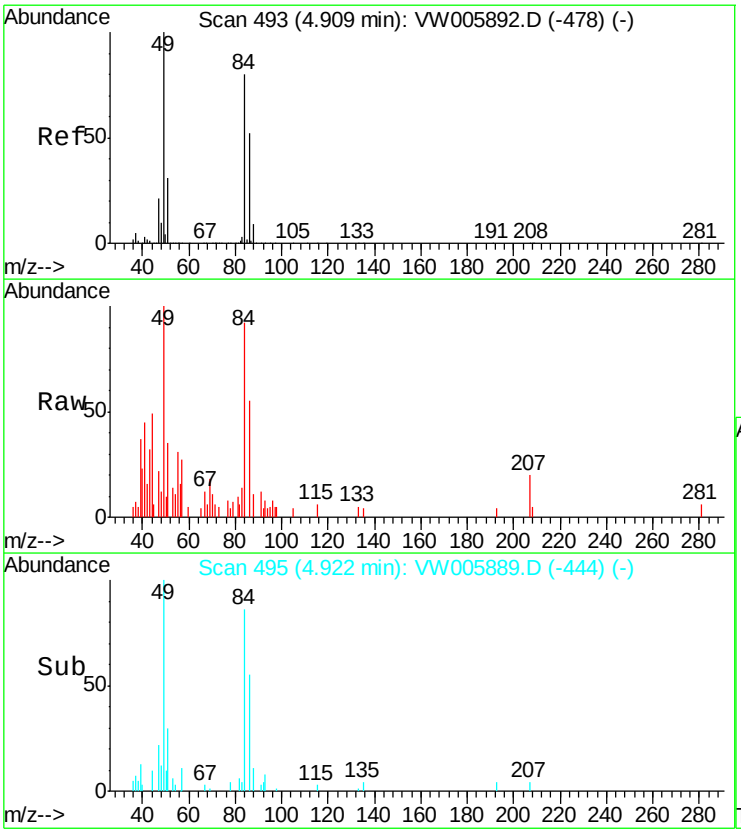

#19
Methyl tert-butyl Ether
Concen: 73.20 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 73 Resp: 8853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.0 | 17.7 | 26.5 |

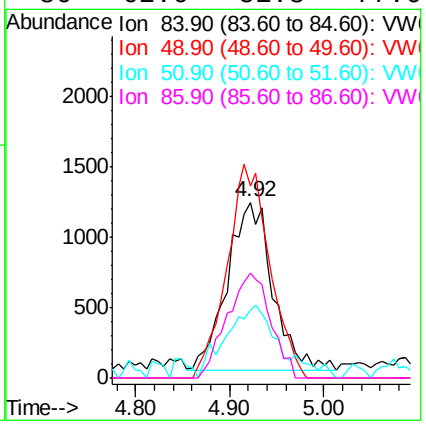


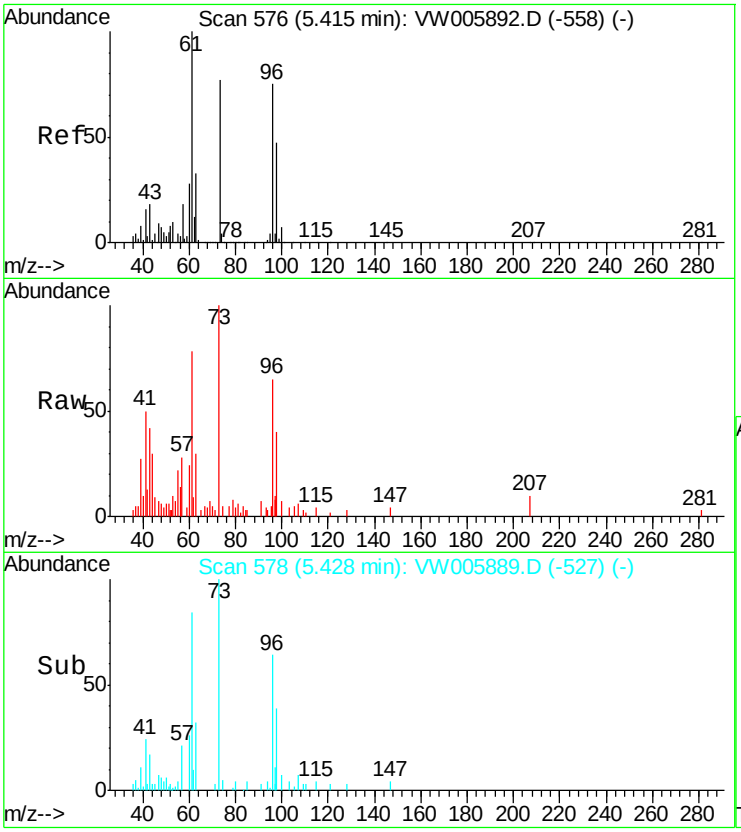




#20
Methylene Chloride
Concen: 46.57 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 84 Resp: 3995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 114.6 | 99.9 | 149.9 |
| 51 | 40.6 | 31.1 | 46.7 |
| 86 | 62.6 | 51.8 | 77.6 |



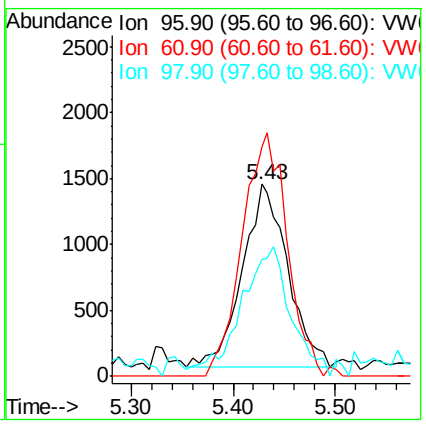


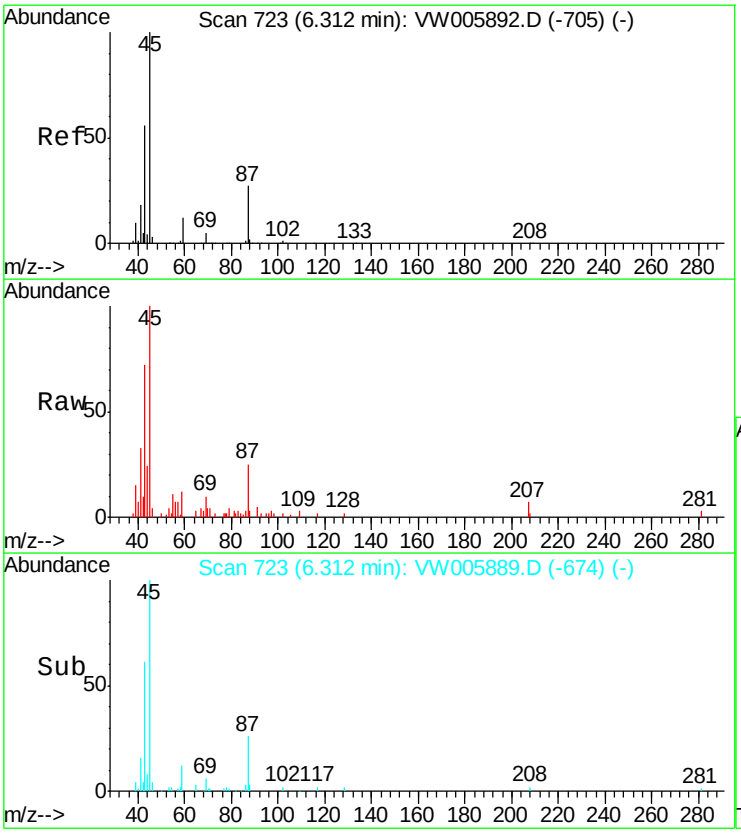

#21
trans-1,2-Dichloroethene
Concen: 50.58 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 4286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 126.2 | 107.4 | 161.0 |
| 98 | 60.4 | 50.8 | 76.2 |

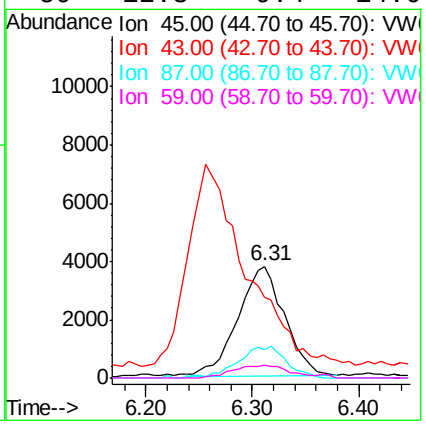


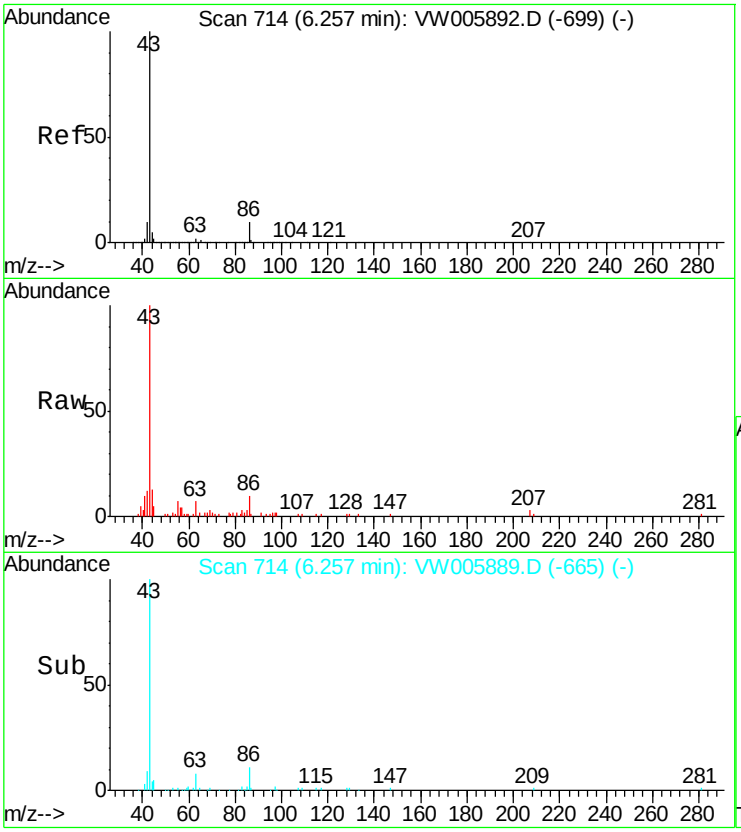




#22
Diisopropyl ether
Concen: 46.92 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 45 Resp: 11627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 57.5 | 45.9 | 68.9 |
| 87 | 25.9 | 22.2 | 33.4 |
| 59 | 12.3 | 9.4 | 14.0 |



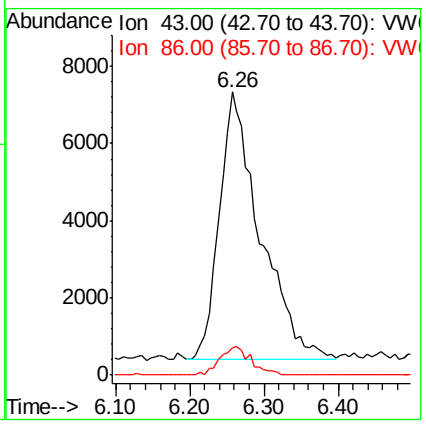


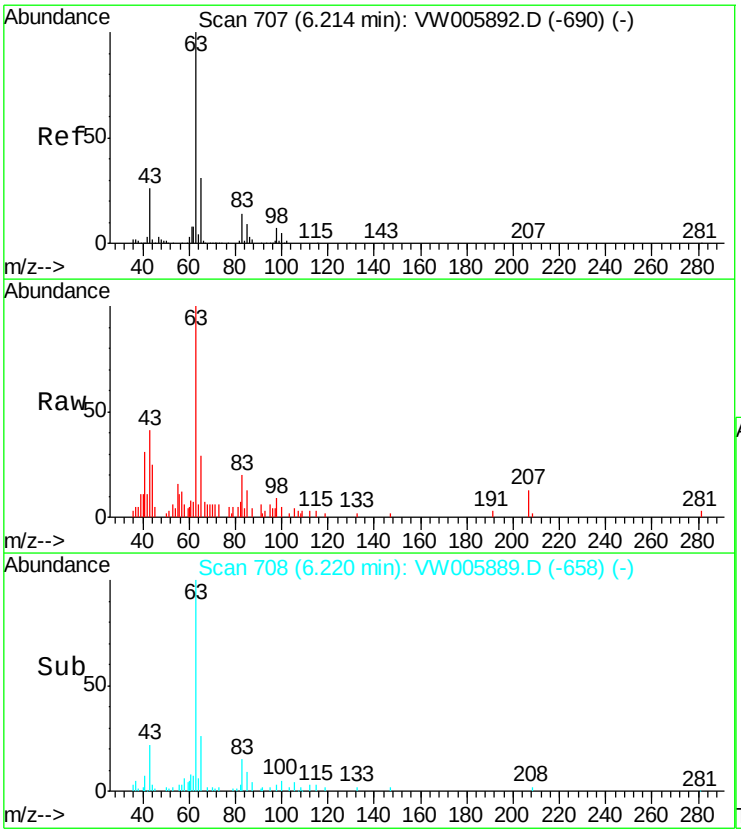

#23
Vinyl Acetate
Concen: 173.90 ug/l
RT: 6.26 min Scan# 714
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 43 Resp: 26526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.3 | 8.2 | 12.4 |

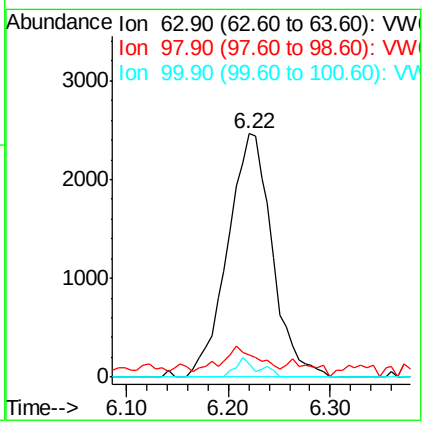


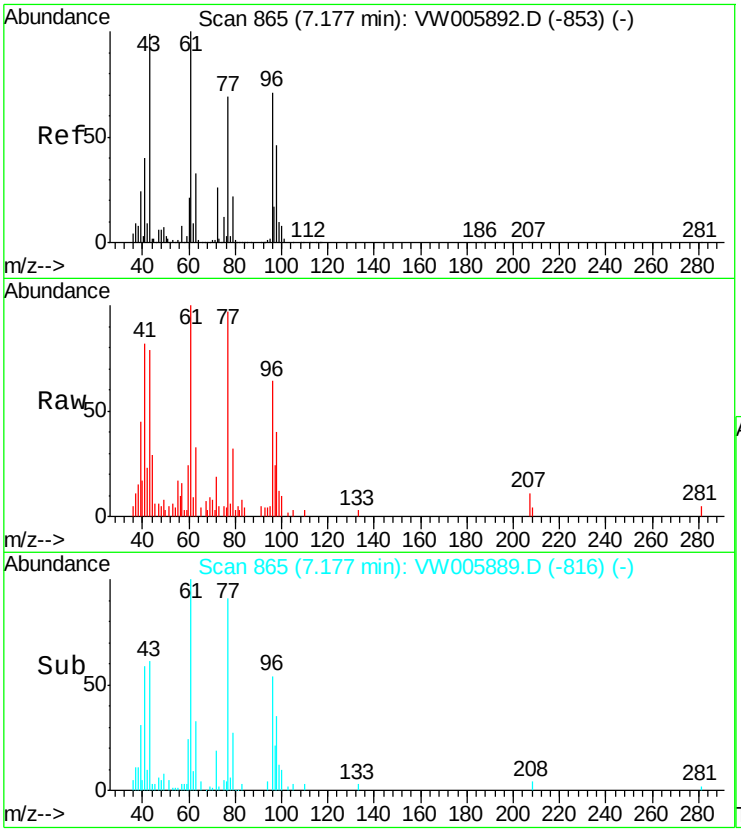




#24
1,1-Dichloroethane
Concen: 49.14 ug/l
RT: 6.22 min Scan# 708
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 63 Resp: 7453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.5 | 10.6 |
| 100 | 5.4 | 2.4 | 7.1 |



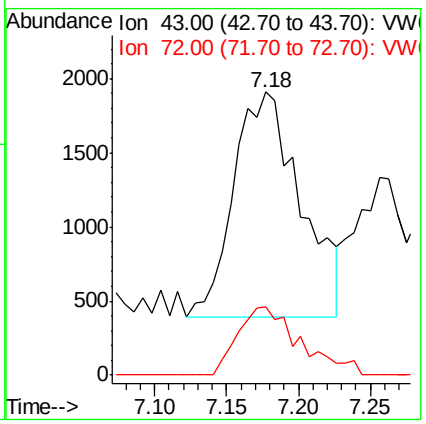


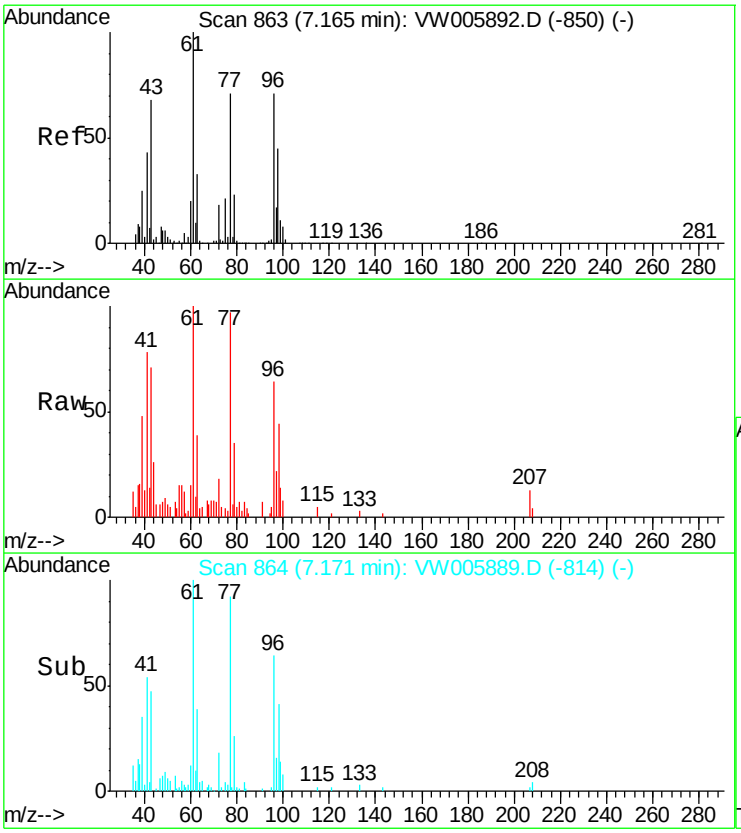

#25
2-Butanone
Concen: 203.12 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 4947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 30.2 | 21.0 | 31.4 |

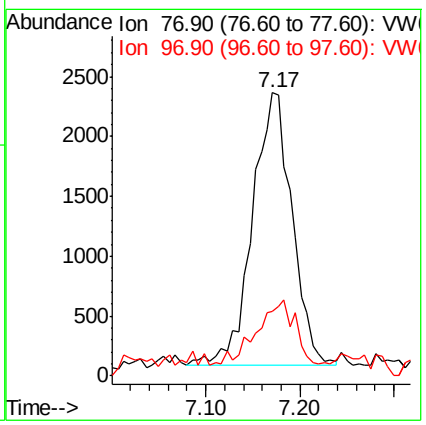


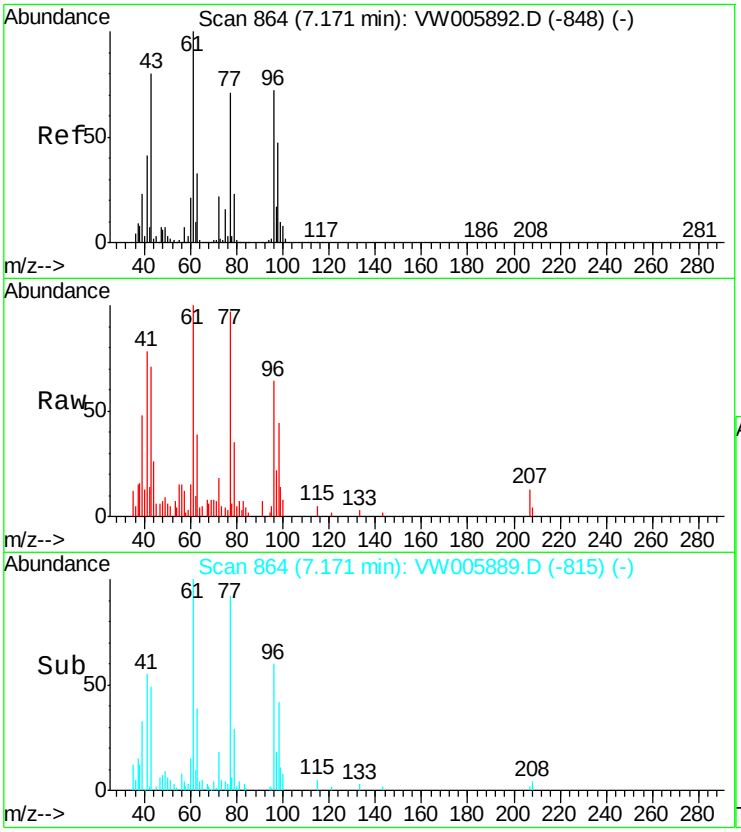




#26
2,2-Dichloropropane
Concen: 63.03 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 77 Resp: 6728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.2 | 11.9 | 35.7 |



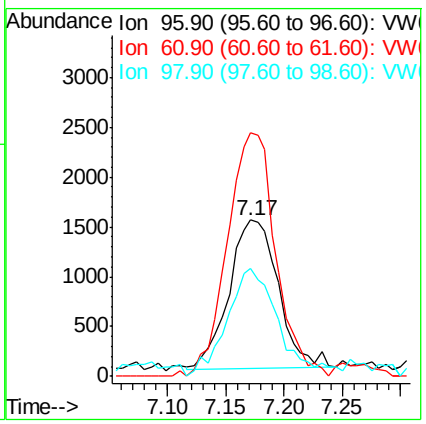


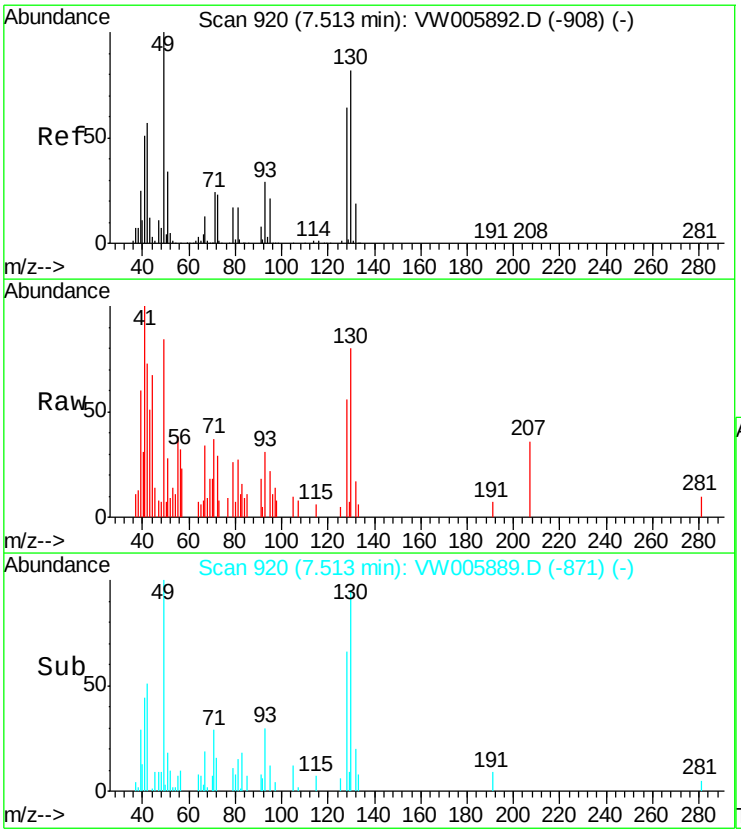

#27
cis-1,2-Dichloroethene
Concen: 45.72 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 4381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.7 | 0.0 | 284.0 |
| 98 | 76.6 | 0.0 | 129.8 |

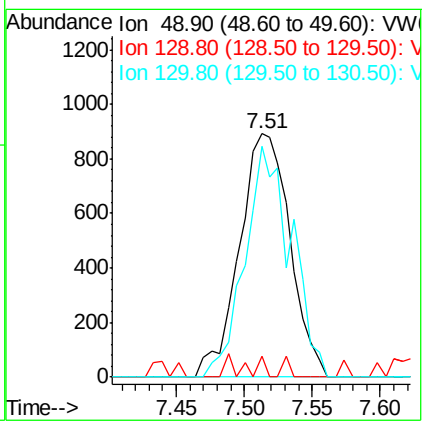


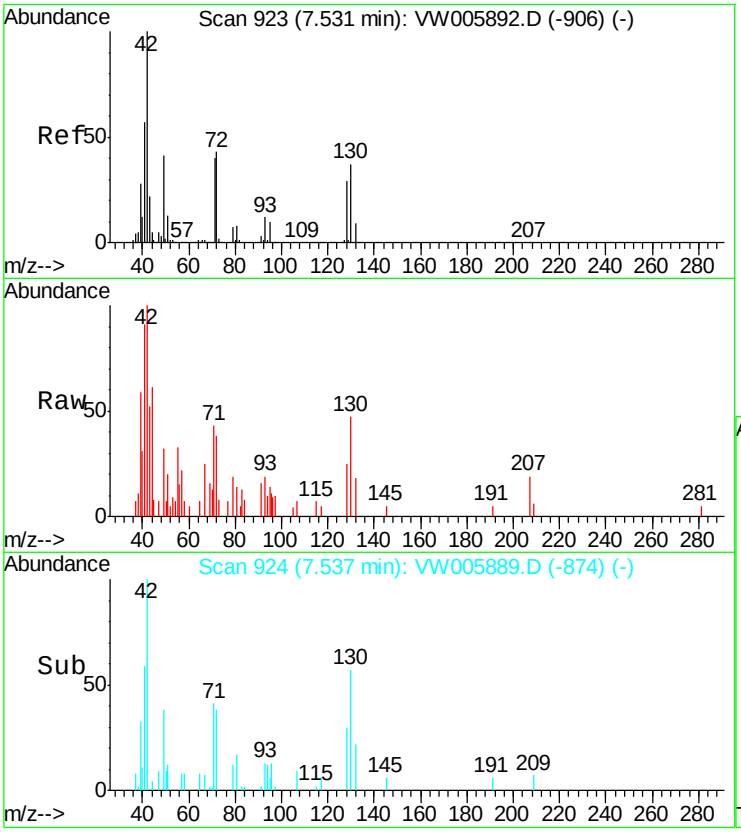




#28
Bromochloromethane
Concen: 41.37 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 49 Resp: 2316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.2 | 0.0 | 5.0 |
| 130 | 86.9 | 66.9 | 100.3 |



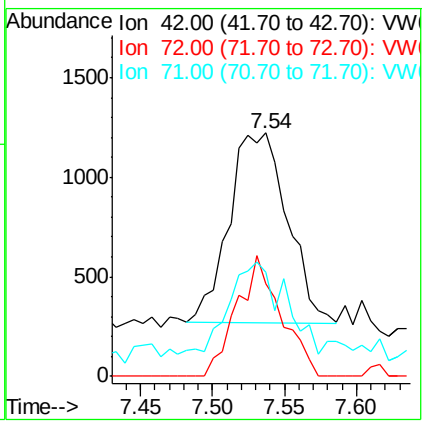


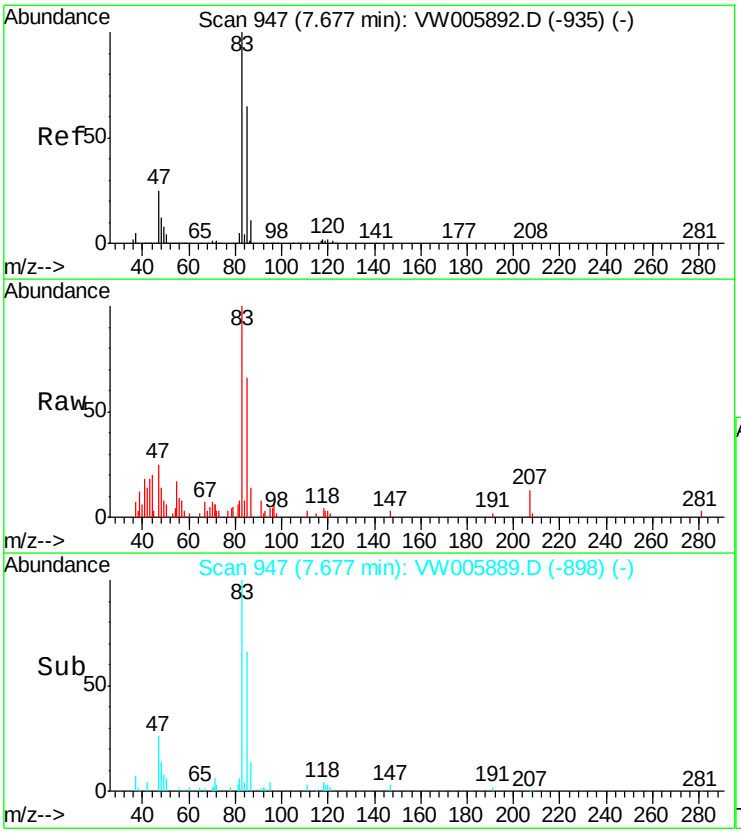

#29
Tetrahydrofuran
Concen: 174.72 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 2690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 48.0 | 34.6 | 51.8 |
| 71 | 42.3 | 32.6 | 49.0 |

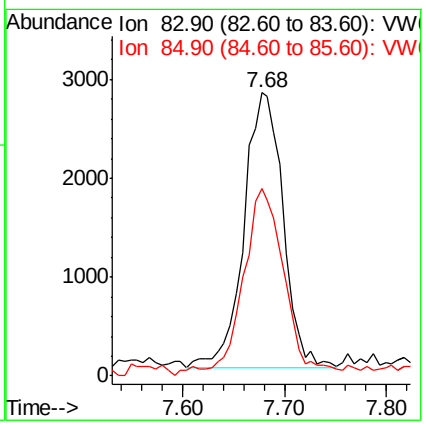


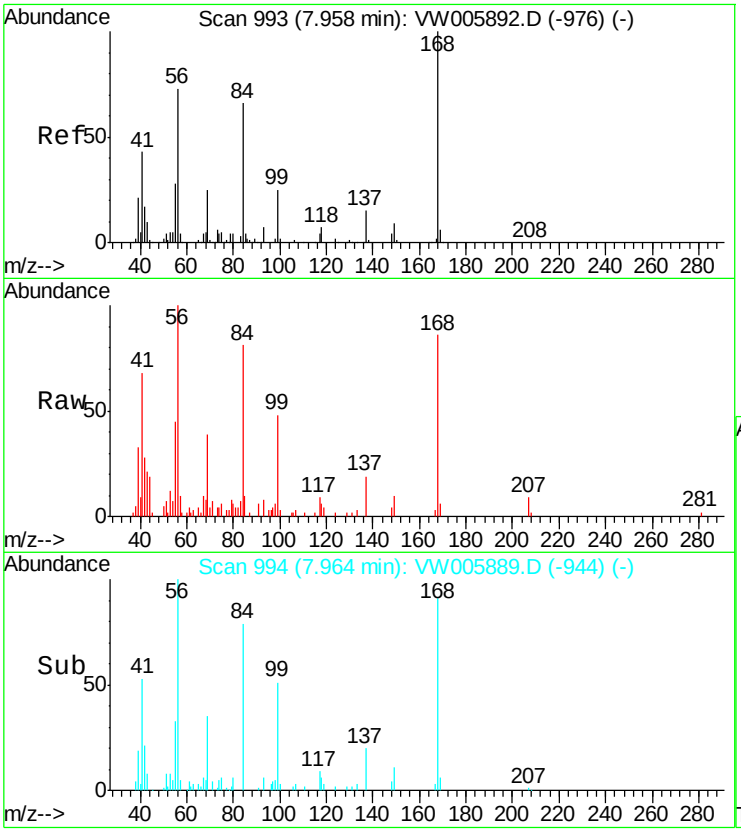




#30
Chloroform
Concen: 47.45 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 83 Resp: 7391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 51.6 | 77.4 |



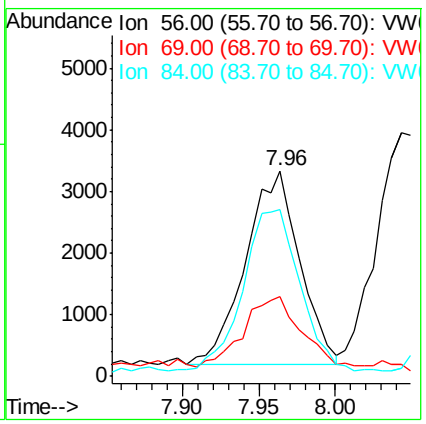


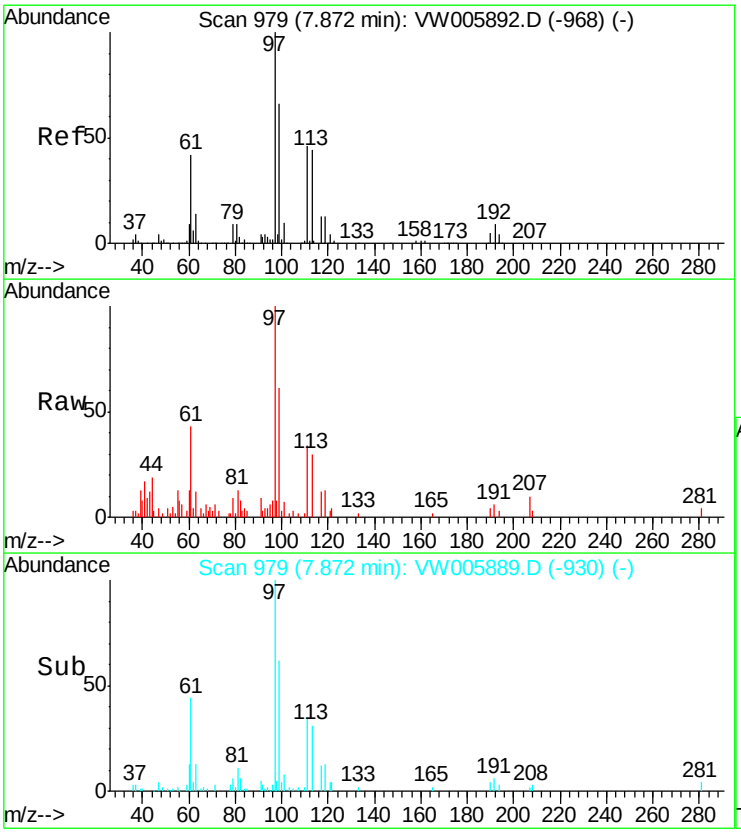

#31
Cyclohexane
Concen: 51.06 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 7663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.7 | 27.9 | 41.9 |
| 84 | 82.3 | 72.3 | 108.5 |

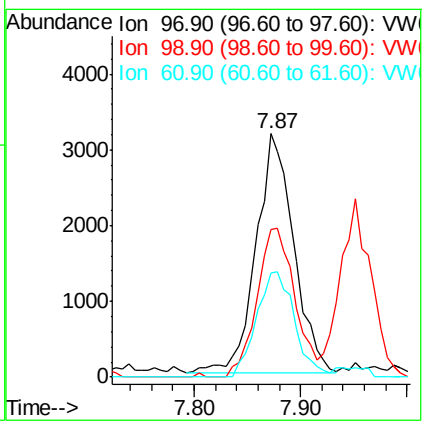


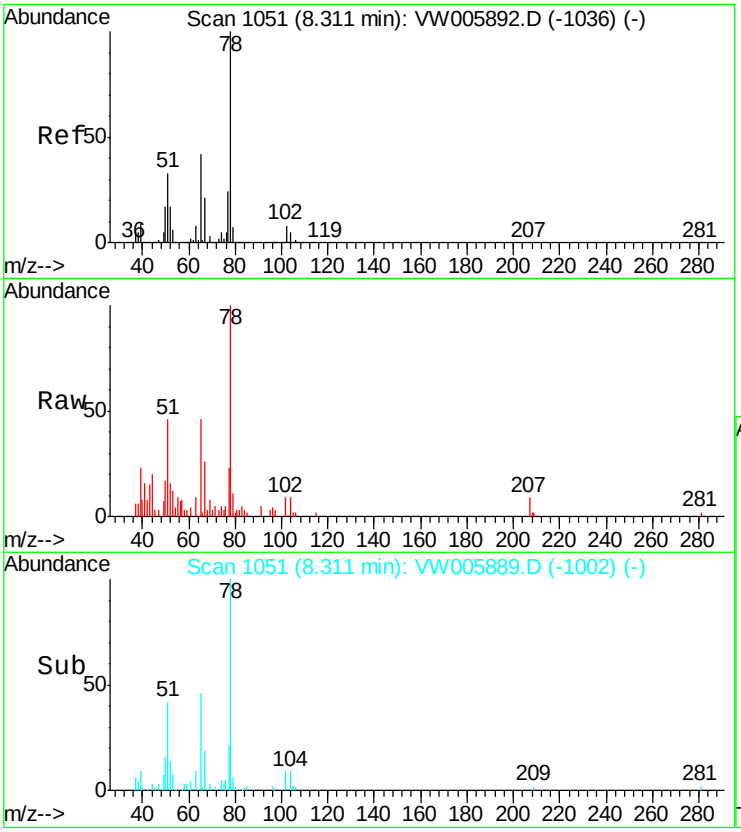




#32
1,1,1-Trichloroethane
Concen: 56.16 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 97 Resp: 7791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.5 | 51.6 | 77.4 |
| 61 | 44.3 | 34.5 | 51.7 |



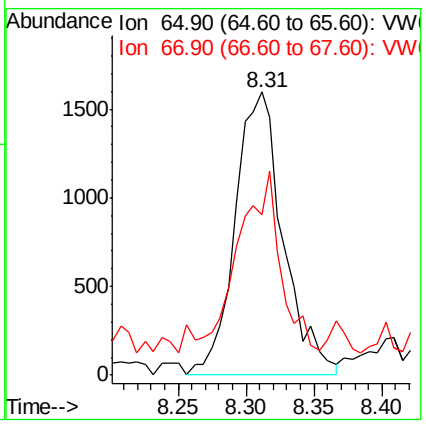


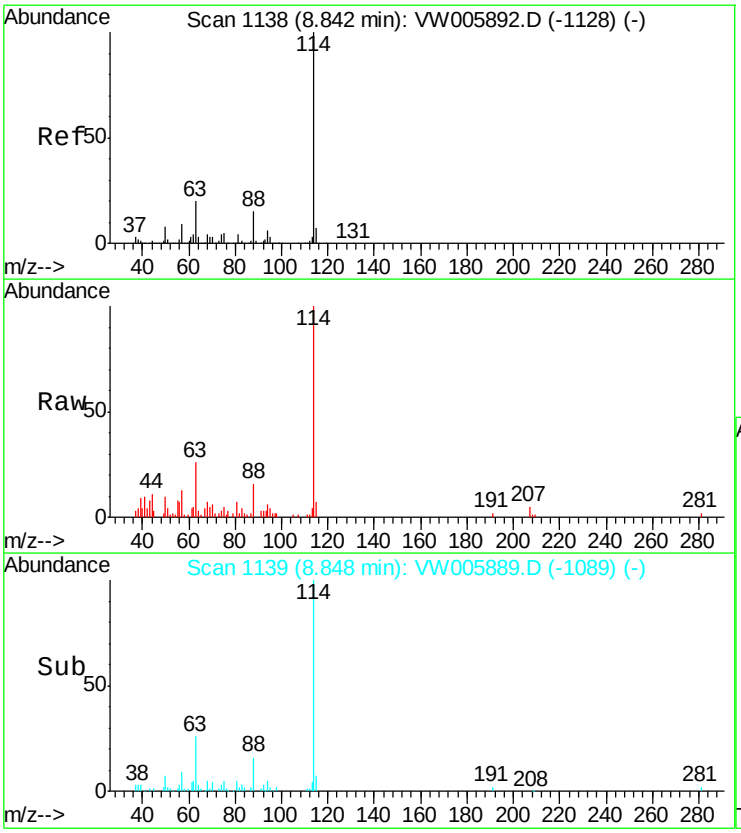

#33
1,2-Dichloroethane-d4
Concen: 46.03 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 3946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 58.2 | 0.0 | 104.6 |

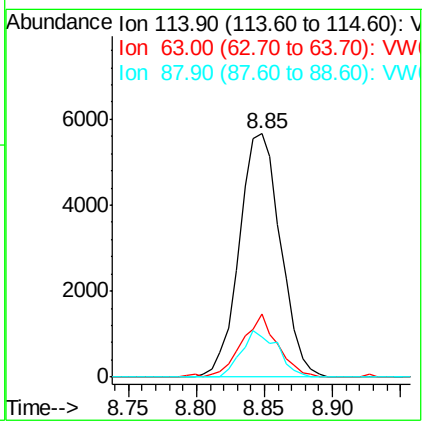


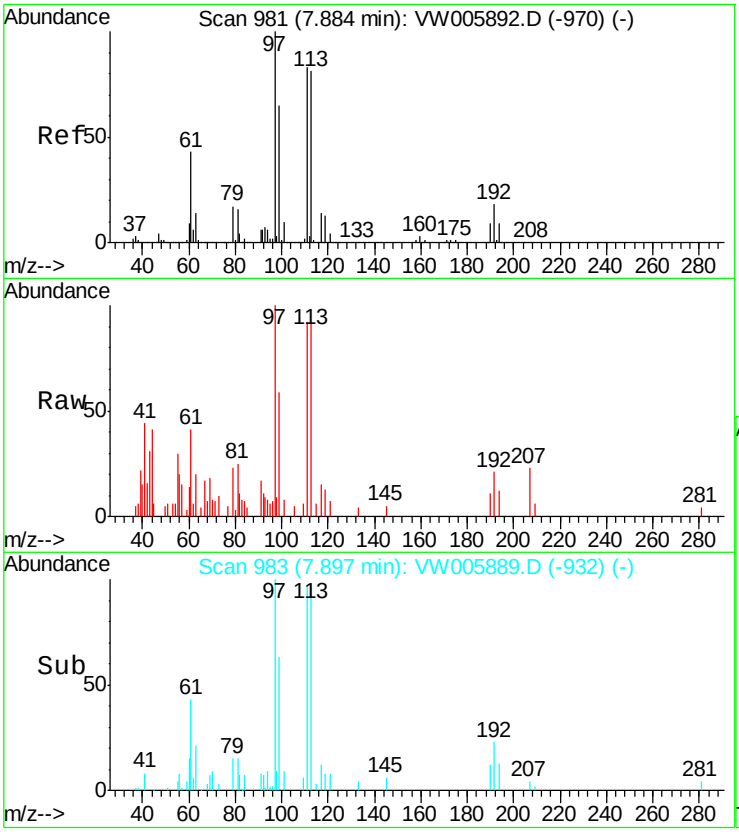




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:114 Resp: 12040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.1 | 0.0 | 39.2 |
| 88 | 16.4 | 0.0 | 30.8 |



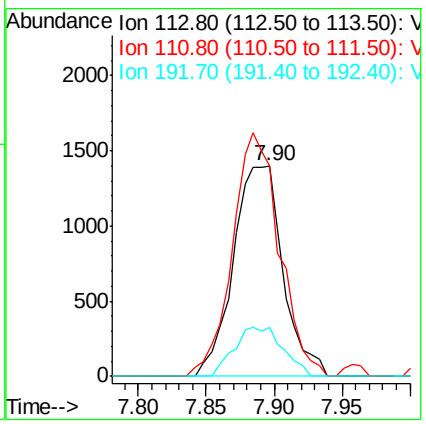


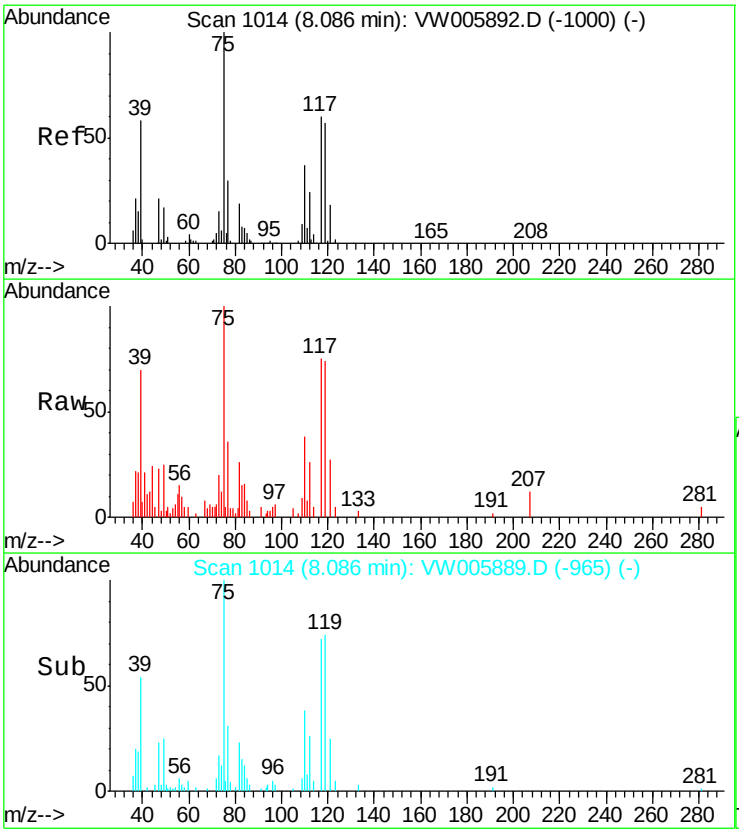

#35
Dibromofluoromethane
Concen: 46.49 ug/l
RT: 7.90 min Scan# 983
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 3574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 109.4 | 82.0 | 123.0 |
| 192 | 22.9 | 18.3 | 27.5 |

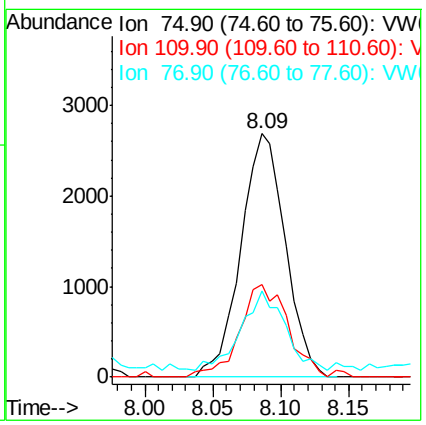


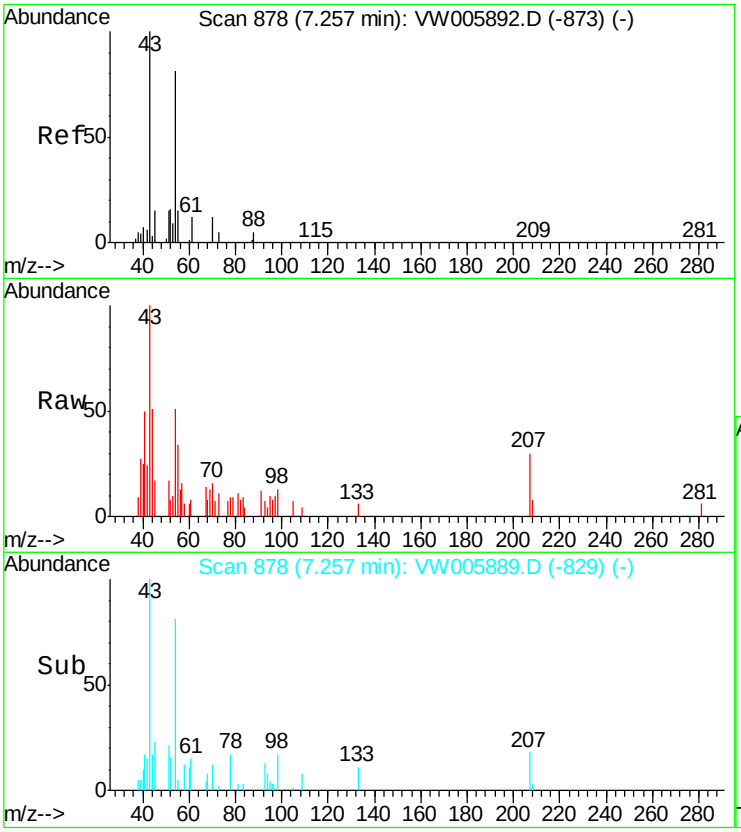




#36
1,1-Dichloropropene
Concen: 53.34 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 75 Resp: 6154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 41.1 | 18.6 | 56.0 |
| 77 | 31.7 | 24.7 | 37.1 |



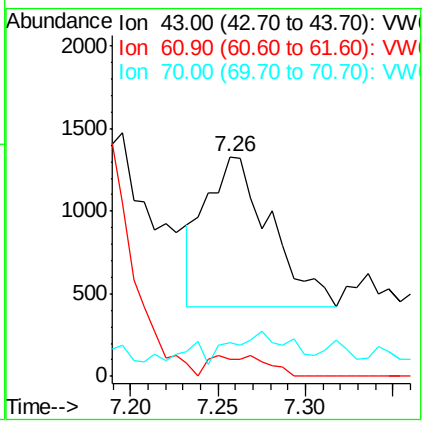


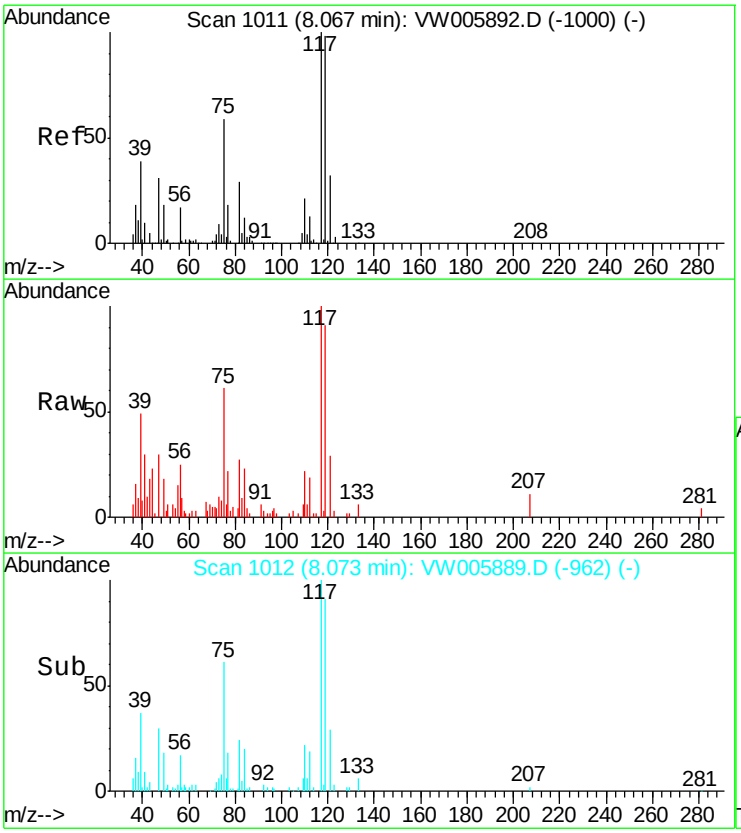

#37
Ethyl Acetate
Concen: 47.94 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 2342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 10.6 | 16.0 |
| 70 | 5.7 | 8.6 | 13.0# |

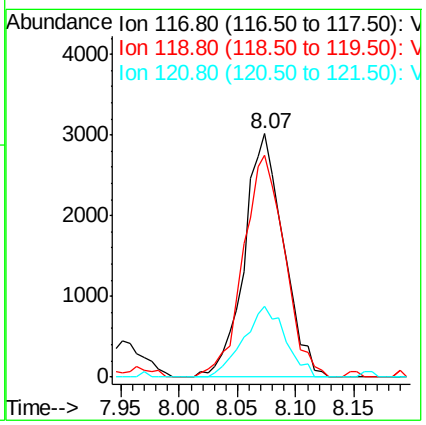


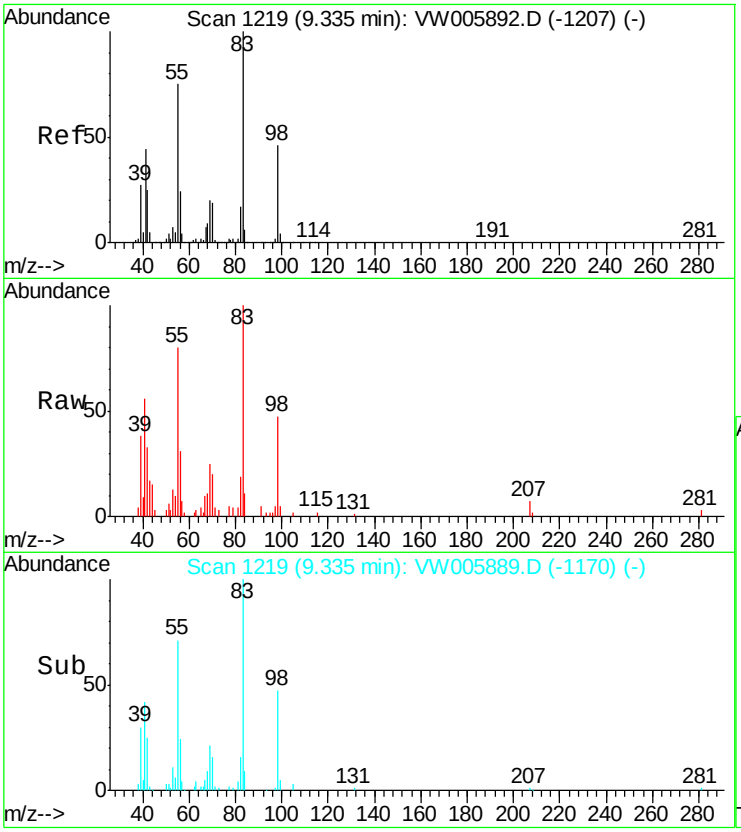




#38
Carbon Tetrachloride
Concen: 56.99 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:117 Resp: 7064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.2 | 78.6 | 117.8 |
| 121 | 29.1 | 25.3 | 37.9 |



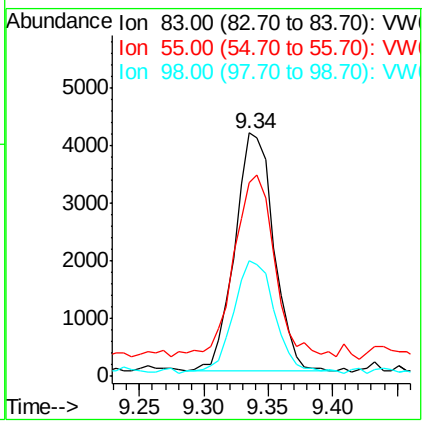


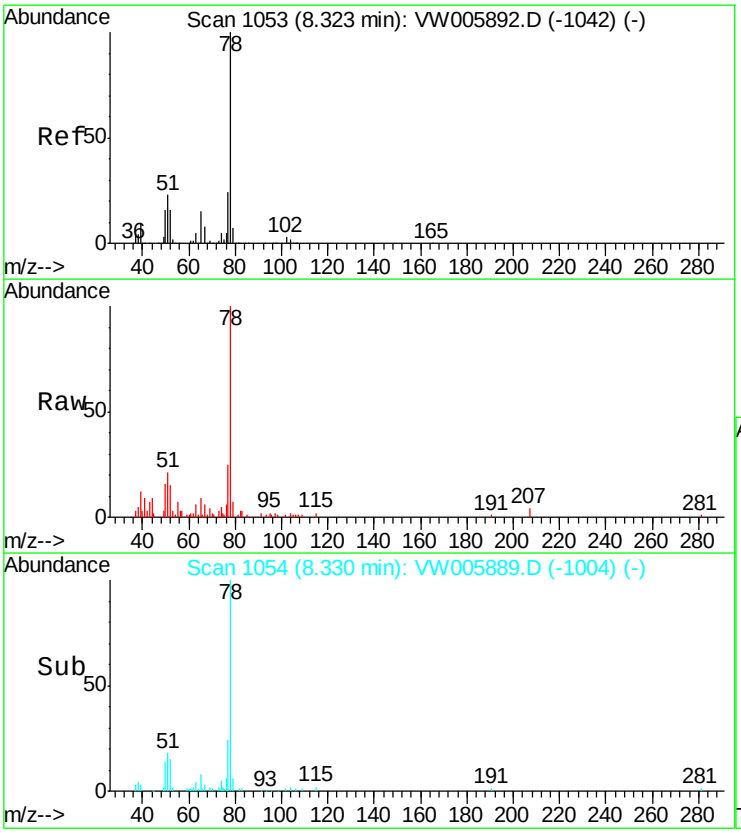

#39
Methylcyclohexane
Concen: 56.77 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 8638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.1 | 59.8 | 89.6 |
| 98 | 46.4 | 37.1 | 55.7 |

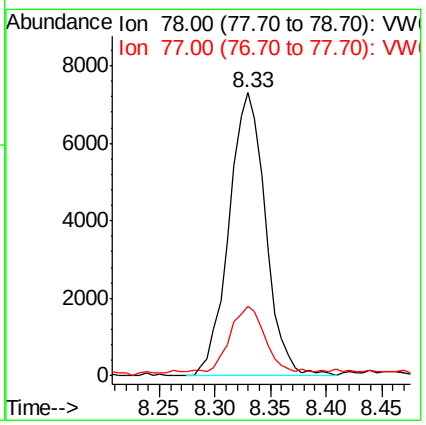


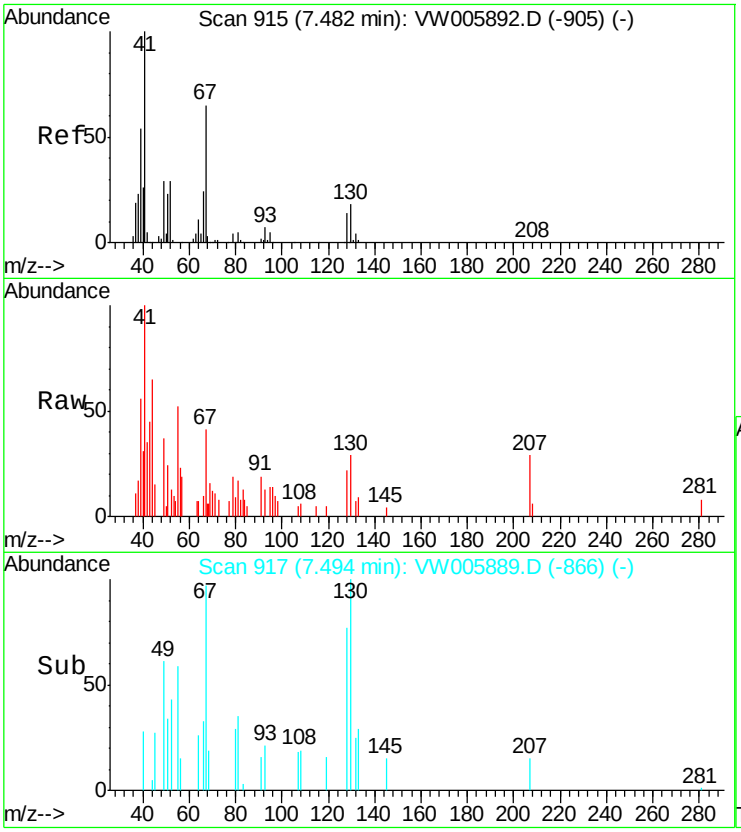




#40
Benzene
Concen: 52.73 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 78 Resp: 16651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.3 | 19.1 | 28.7 |



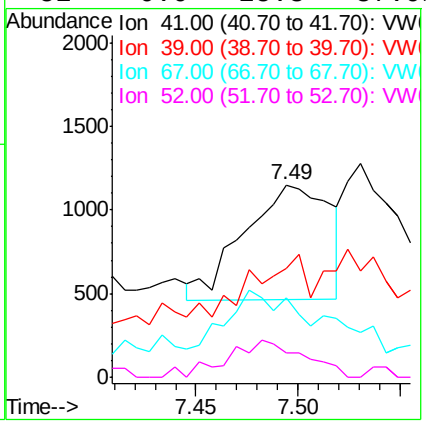


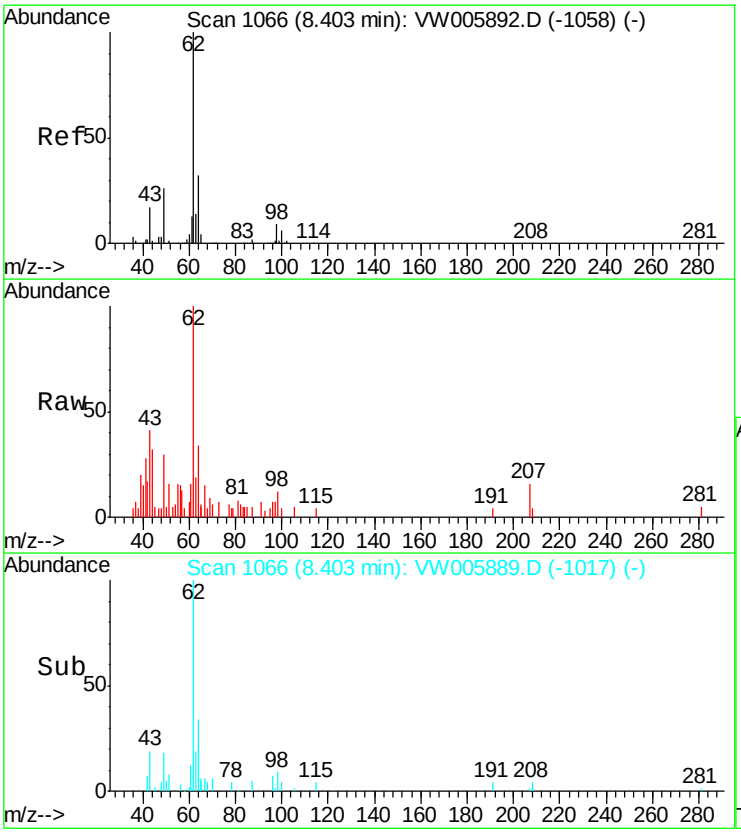

#41
Methacrylonitrile
Concen: 65.29 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 41 Resp: 1997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 38.5 | 45.0 | 67.4# |
| 67 | 0.0 | 55.8 | 83.8# |
| 52 | 0.0 | 25.3 | 37.9# |

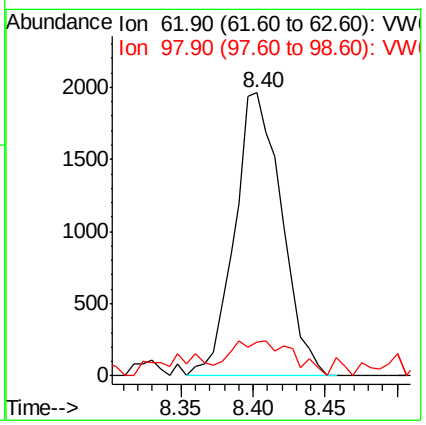


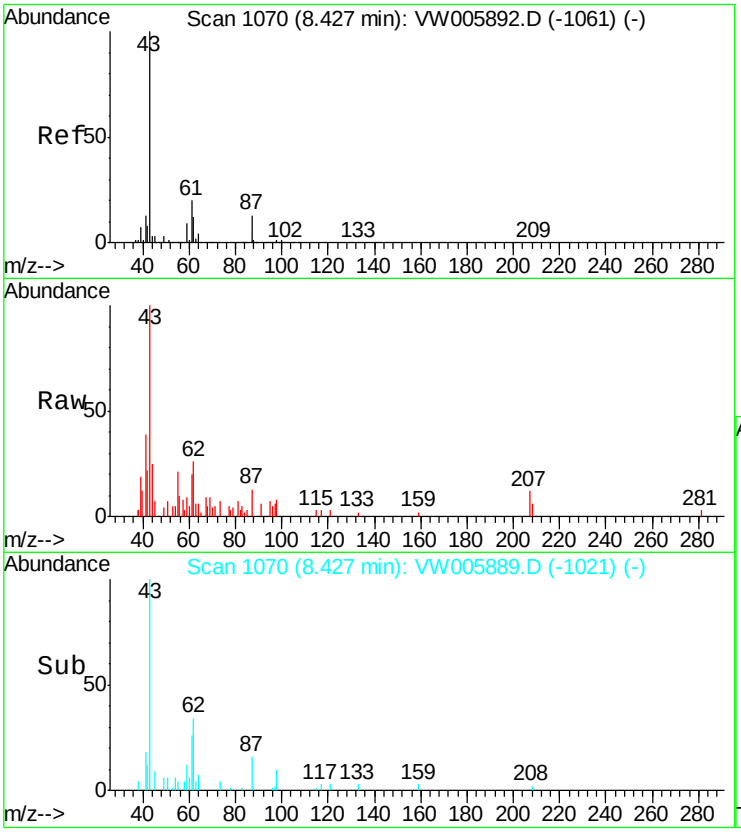




#42
1,2-Dichloroethane
Concen: 46.58 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 62 Resp: 4443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 16.3 | 0.0 | 18.0 |



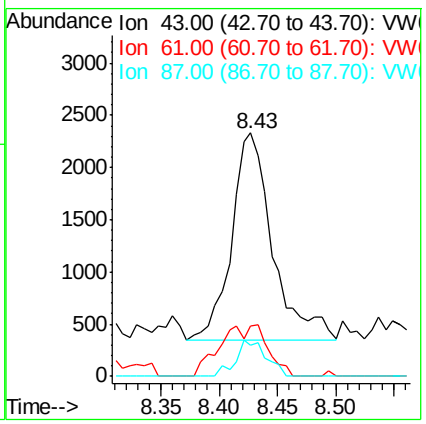


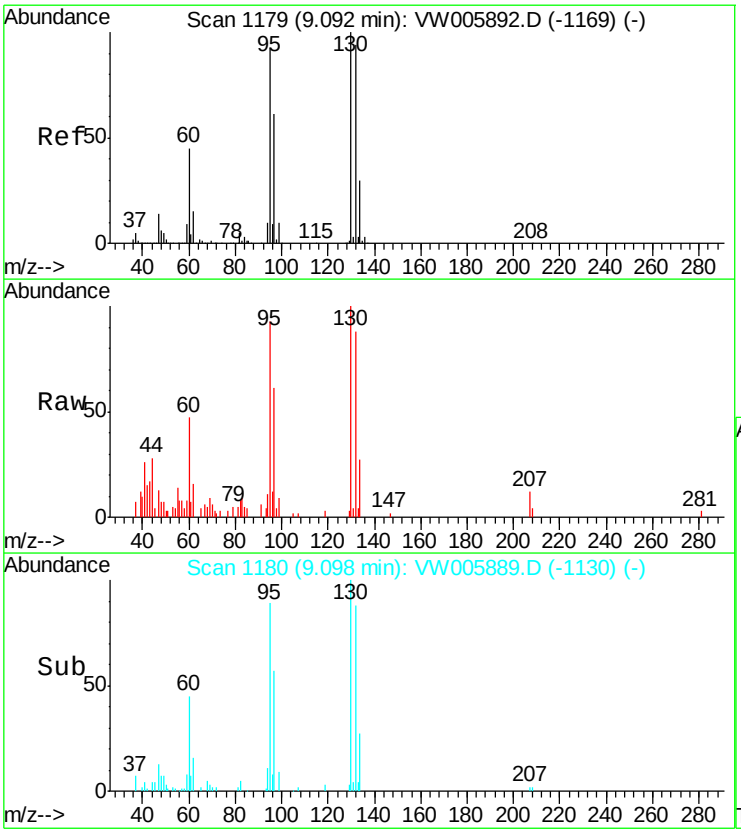

#43
Isopropyl Acetate
Concen: 47.44 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 43 Resp: 4841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.2 | 23.1 | 34.7# |
| 87 | 12.8 | 10.7 | 16.1 |

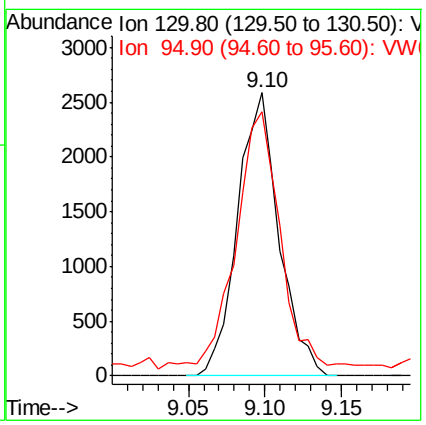


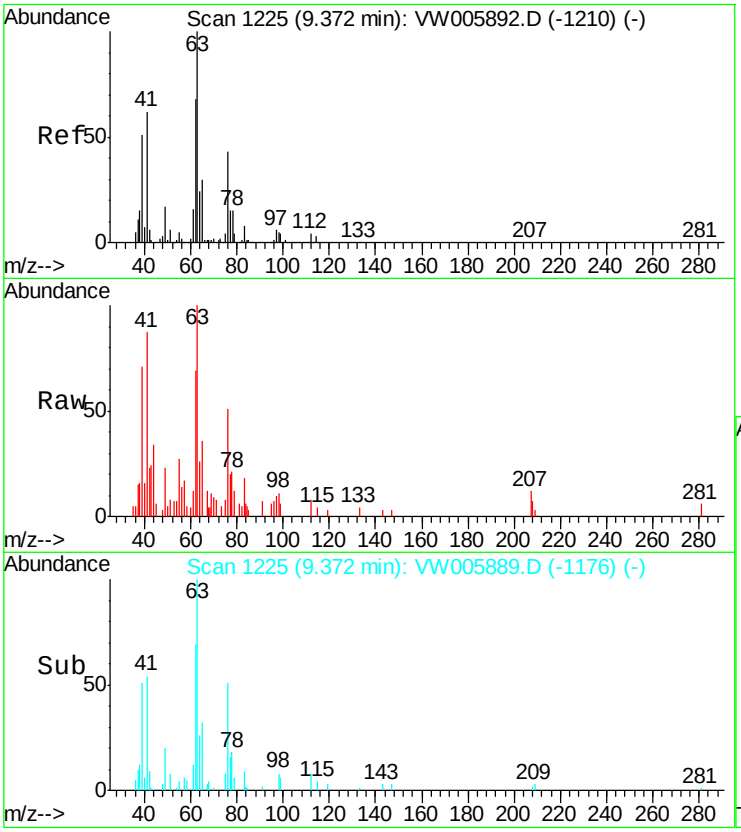




#44
Trichloroethene
Concen: 53.05 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:130 Resp: 4860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 89.1 | 0.0 | 185.6 |



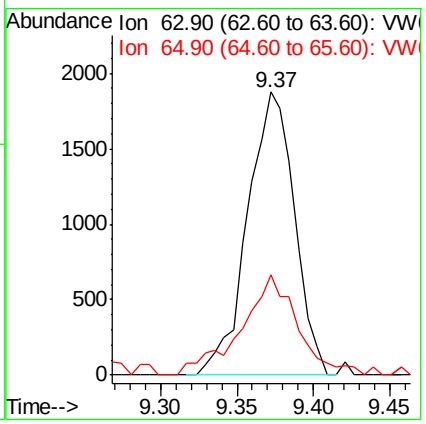


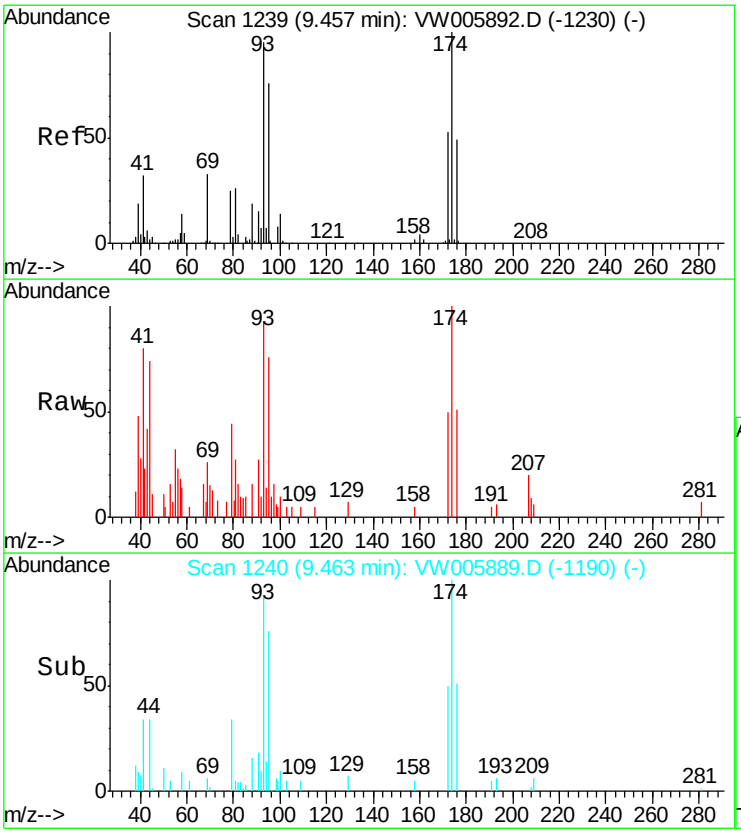

#45
1,2-Dichloropropane
Concen: 50.66 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 4004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.7 | 24.3 | 36.5 |

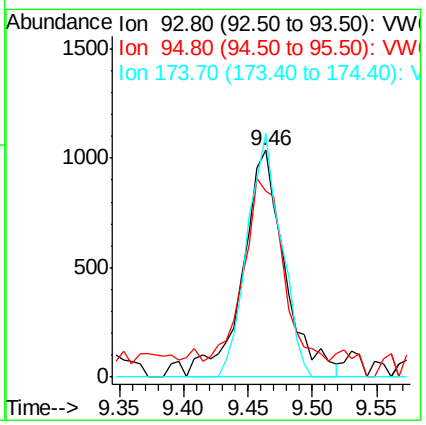


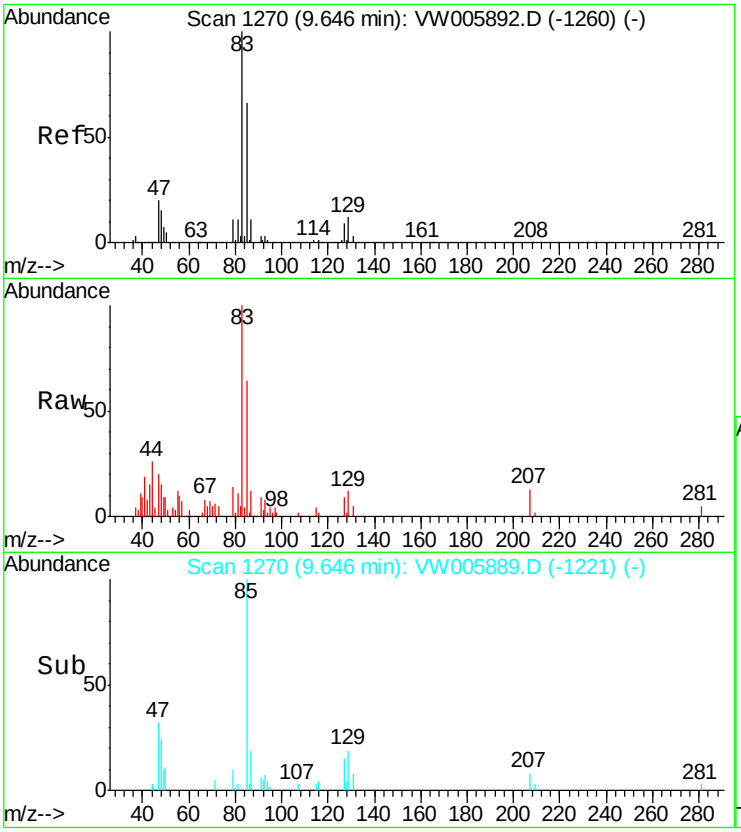




#46
Dibromomethane
Concen: 53.80 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 93 Resp: 2337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 74.1 | 66.6 | 99.8 |
| 174 | 86.7 | 90.4 | 135.6# |



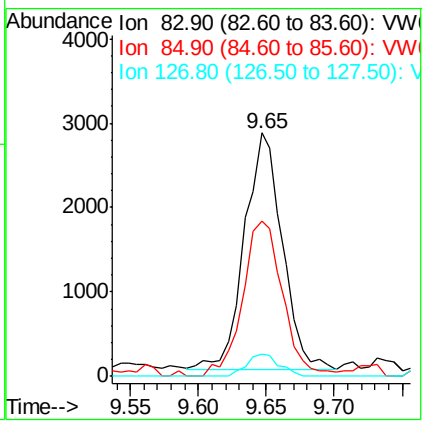


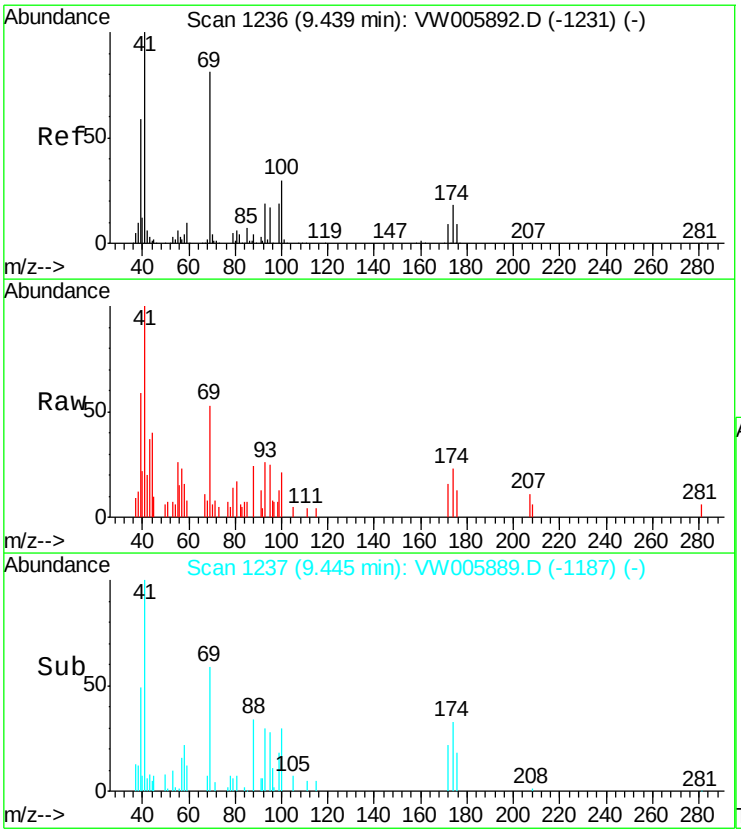

#47
Bromodichloromethane
Concen: 50.37 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 5506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 53.0 | 79.6 |
| 127 | 9.5 | 7.4 | 11.0 |

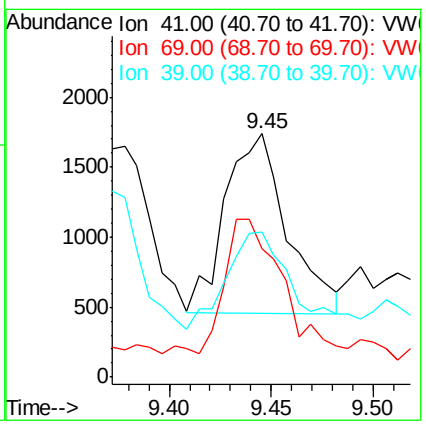


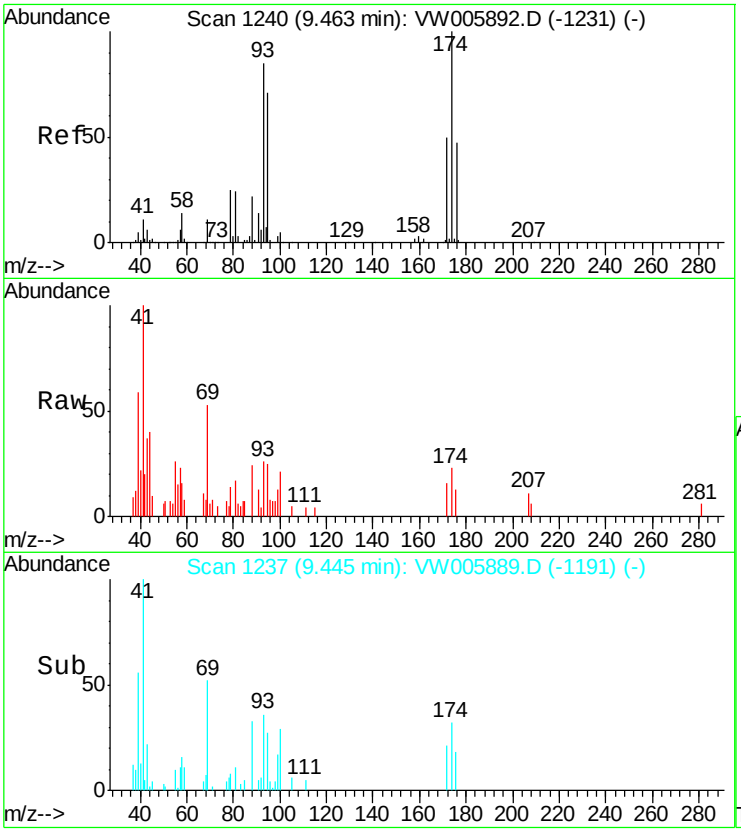




#48
Methyl methacrylate
Concen: 55.81 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 41 Resp: 2713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 69.0 | 68.7 | 103.1 |
| 39 | 57.6 | 50.0 | 75.0 |



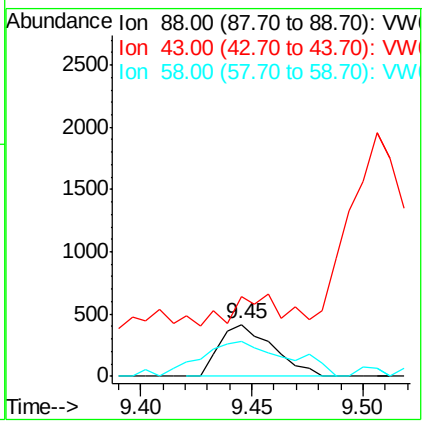


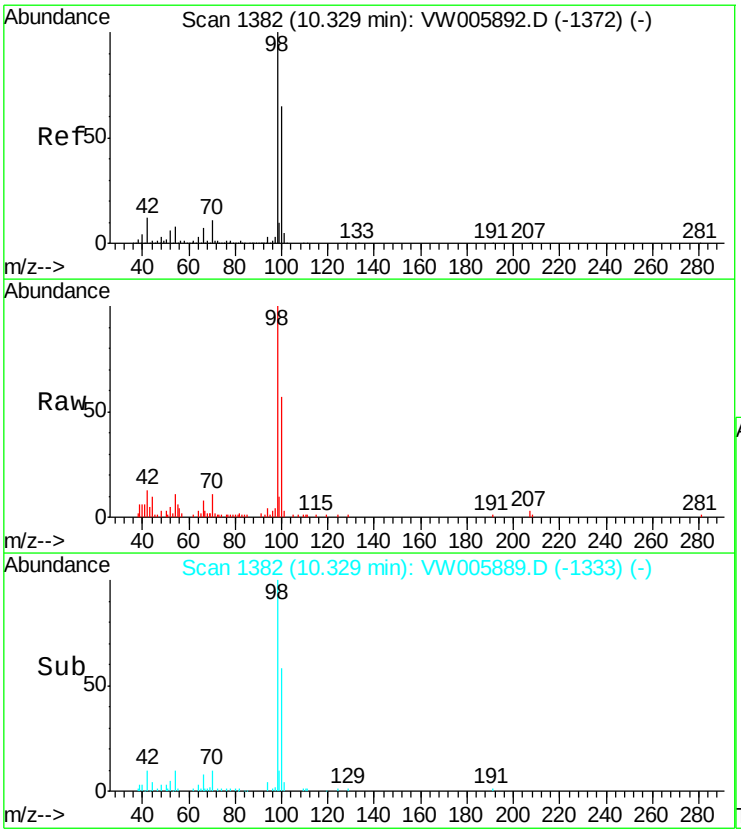

#49
1,4-Dioxane
Concen: 1045.74 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 62.0 | 0.0 | 0.0# |
| 58 | 111.9 | 57.7 | 86.5# |

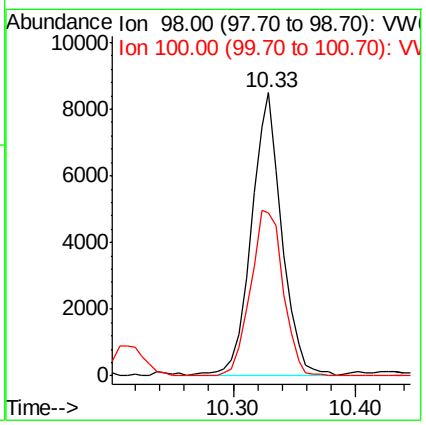


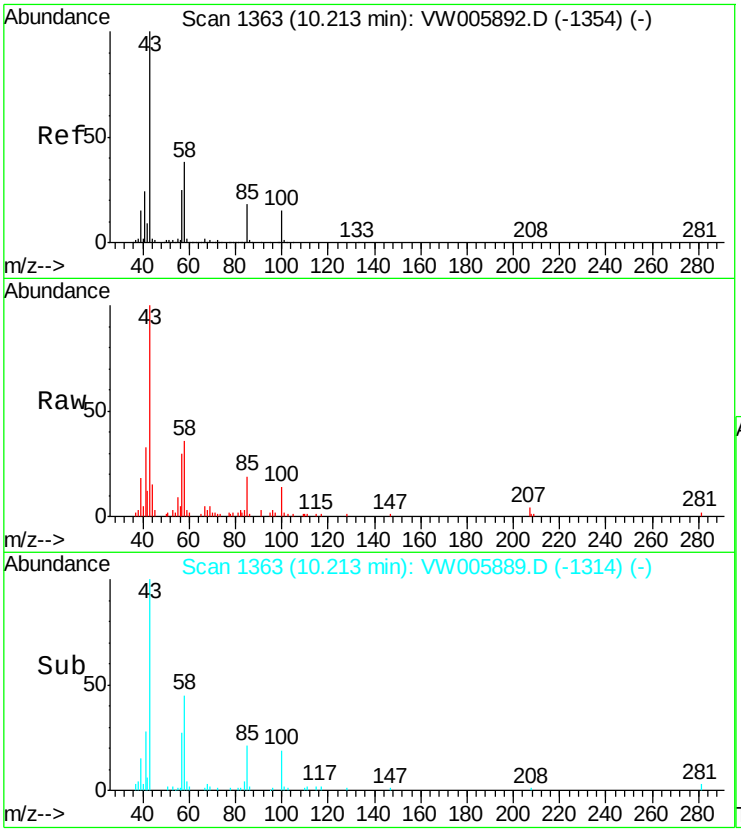




#50
Toluene-d8
Concen: 49.60 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 98 Resp: 14670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.9 | 51.9 | 77.9 |



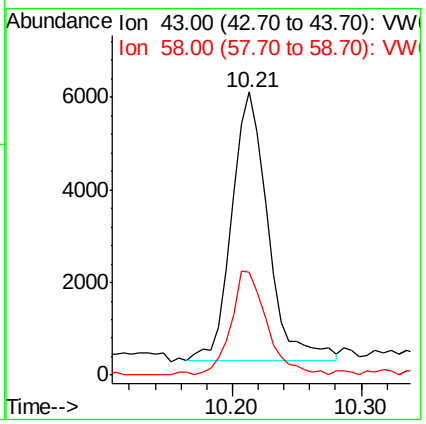


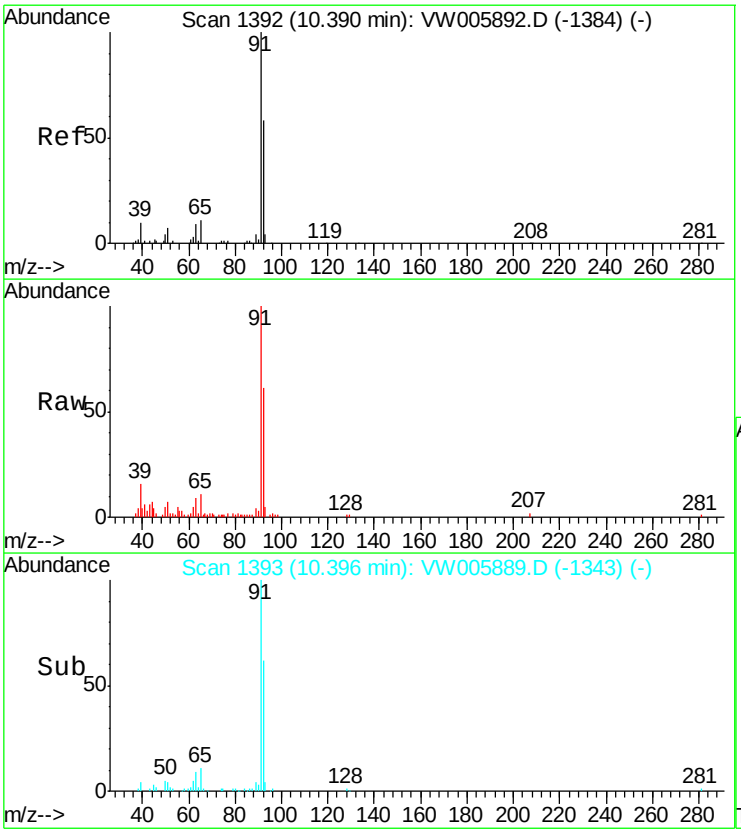

#51
4-Methyl-2-Pentanone
Concen: 225.75 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 11219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 30.2 | 45.4 |

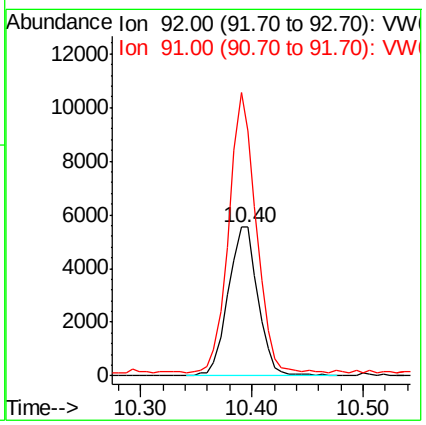


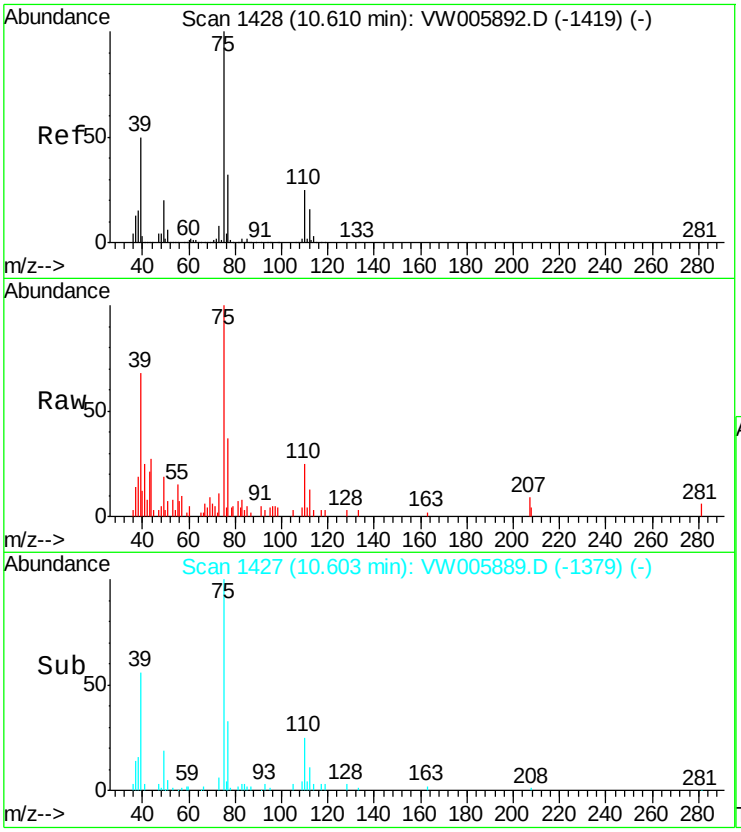




#52
Toluene
Concen: 49.78 ug/l
RT: 10.40 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 92 Resp: 10327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.9 | 138.2 | 207.4 |



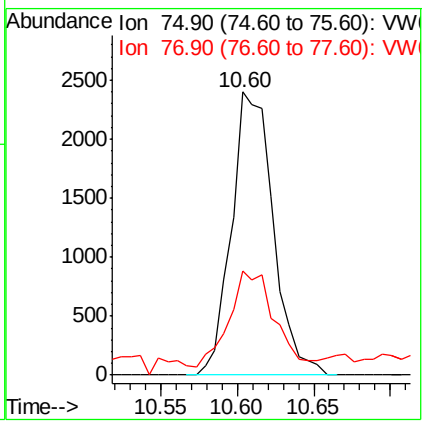


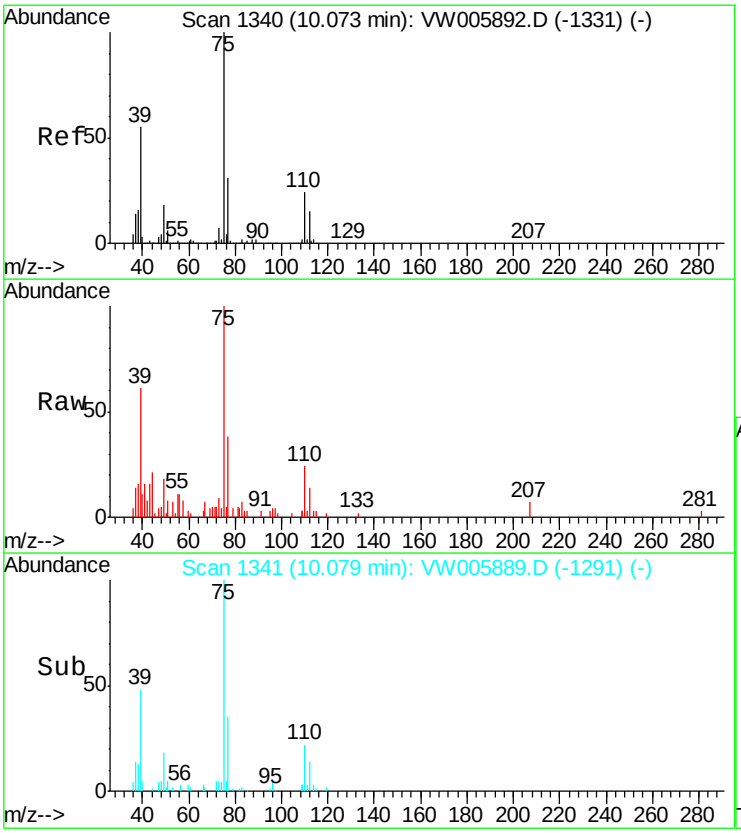

#53
t-1,3-Dichloropropene
Concen: 39.79 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 75 Resp: 4545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.5 | 25.4 | 38.2 |

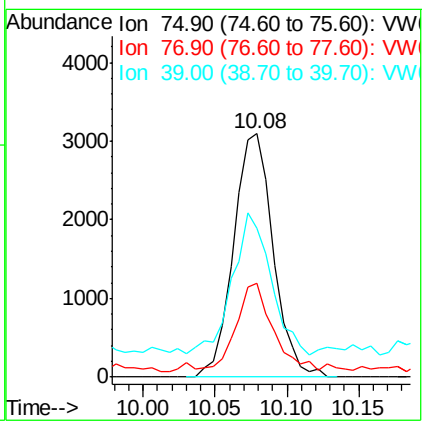


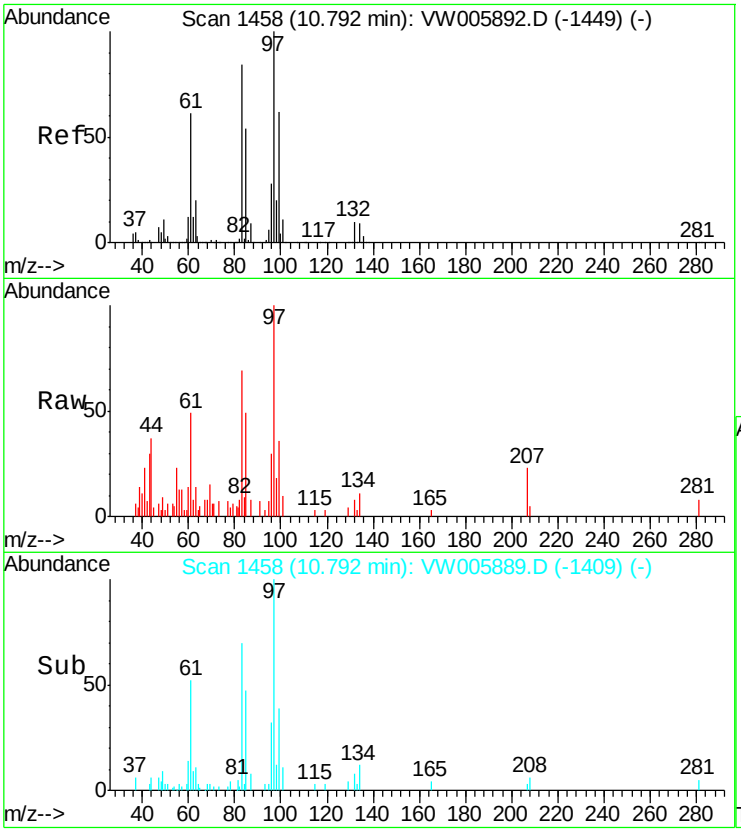




#54
cis-1,3-Dichloropropene
Concen: 46.03 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 75 Resp: 5911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.4 | 24.6 | 37.0 |
| 39 | 51.8 | 44.2 | 66.4 |



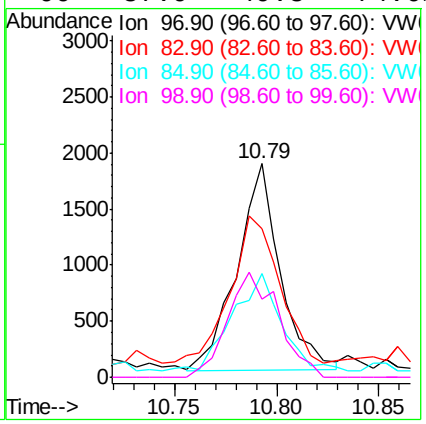


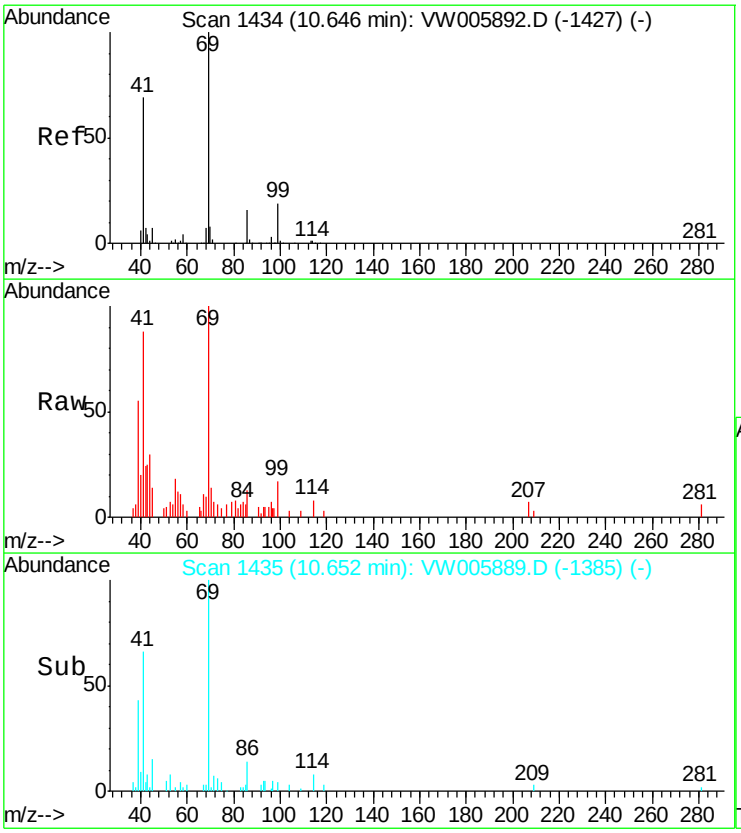

#55
1,1,2-Trichloroethane
Concen: 45.42 ug/l
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 97 Resp: 2733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 63.9 | 66.9 | 100.3# |
| 85 | 45.6 | 43.4 | 65.0 |
| 99 | 37.9 | 49.8 | 74.6# |

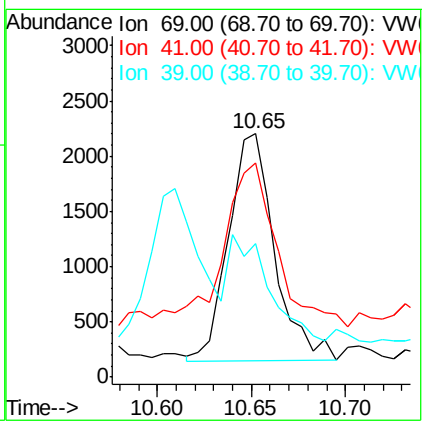


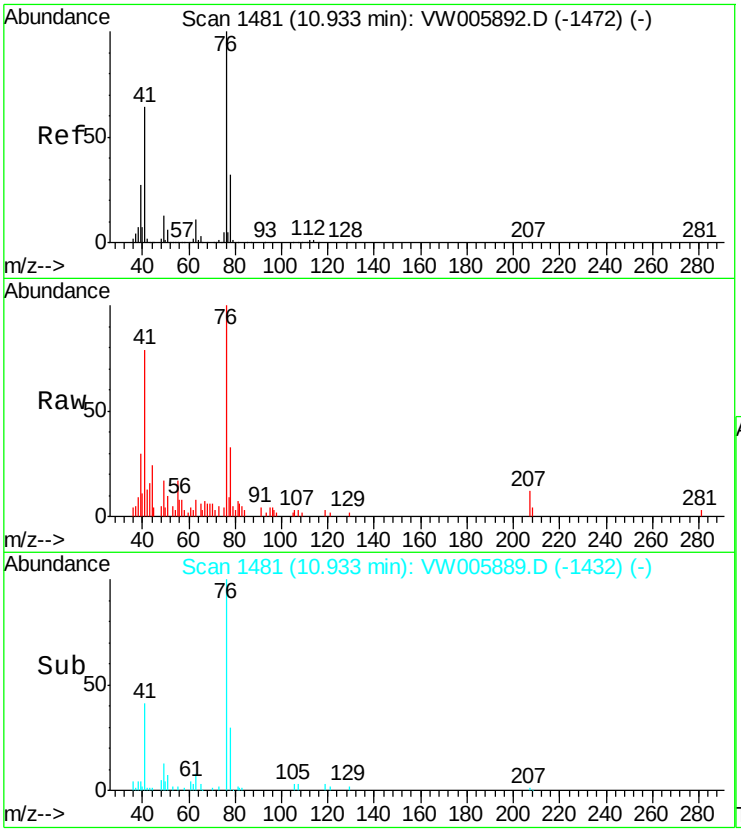




#56
Ethyl methacrylate
Concen: 43.10 ug/l
RT: 10.65 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 69 Resp: 3495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 86.3 | 56.0 | 84.0# |
| 39 | 40.6 | 33.5 | 50.3 |



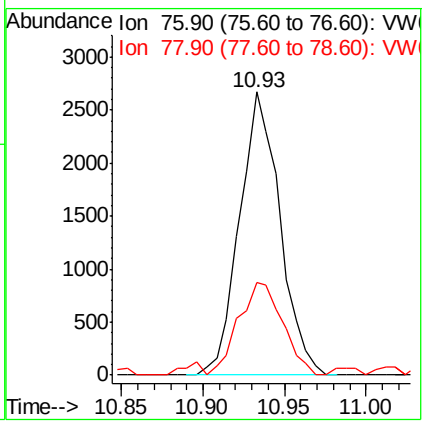


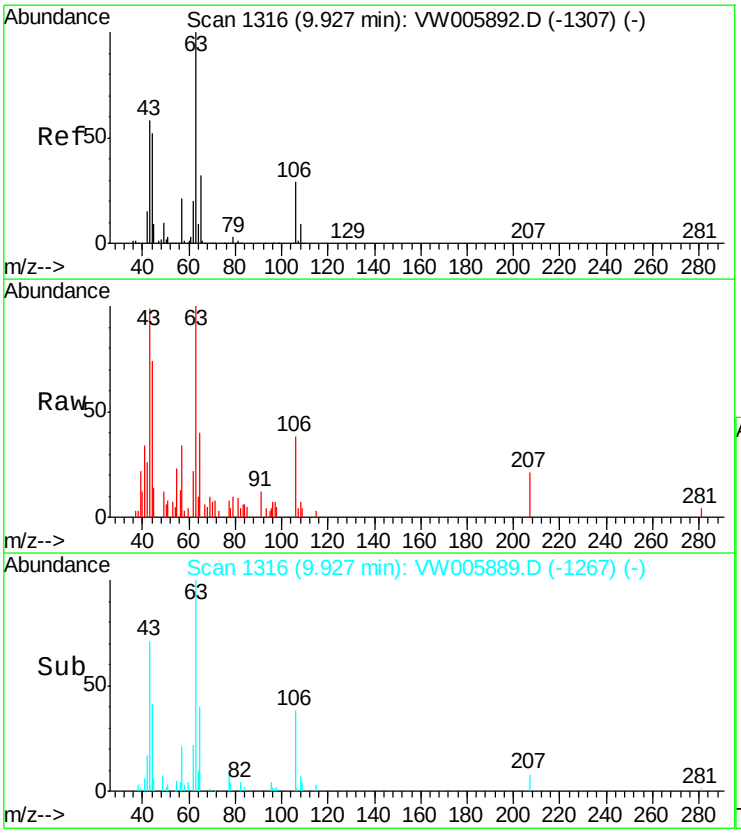

#57
1,3-Dichloropropane
Concen: 45.44 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 76 Resp: 4599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 35.8 | 25.8 | 38.6 |

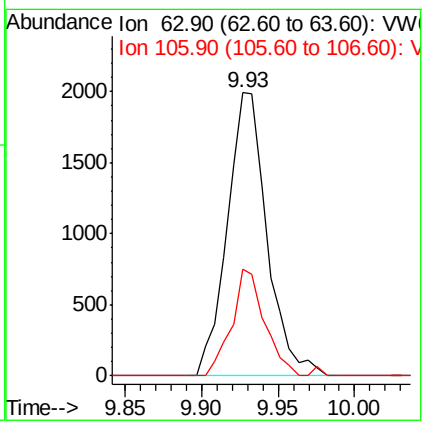


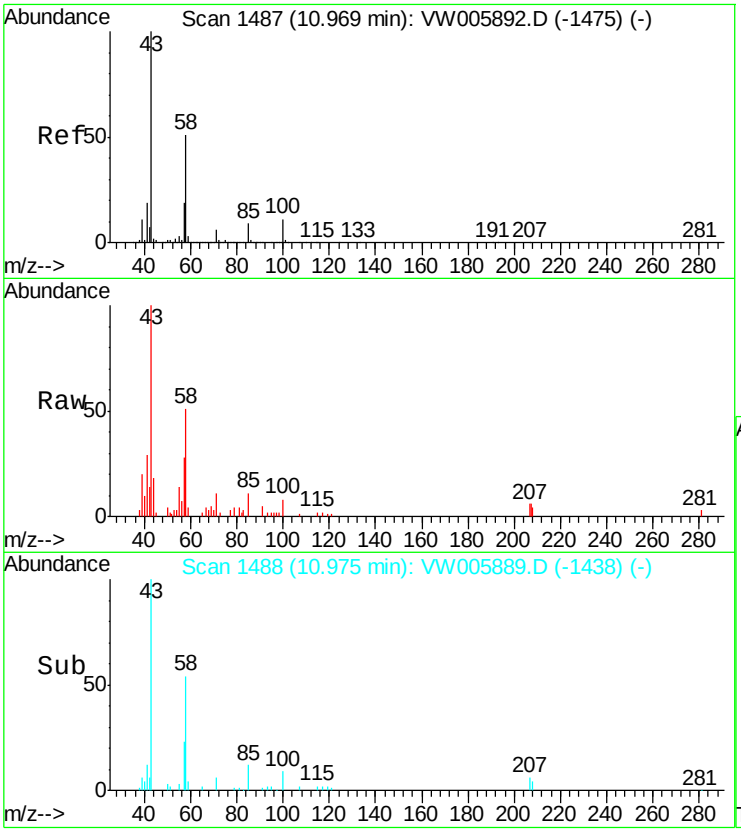




#58
2-Chloroethyl Vinyl ether
Concen: 108.50 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 63 Resp: 3580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 31.3 | 23.6 | 35.4 |



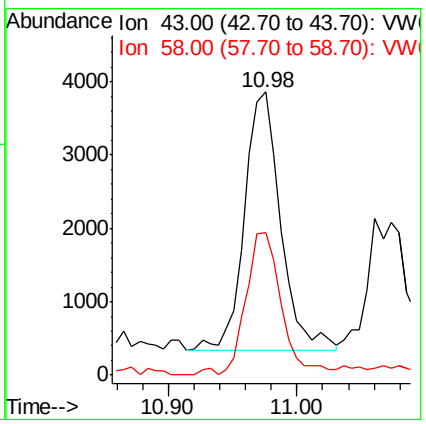


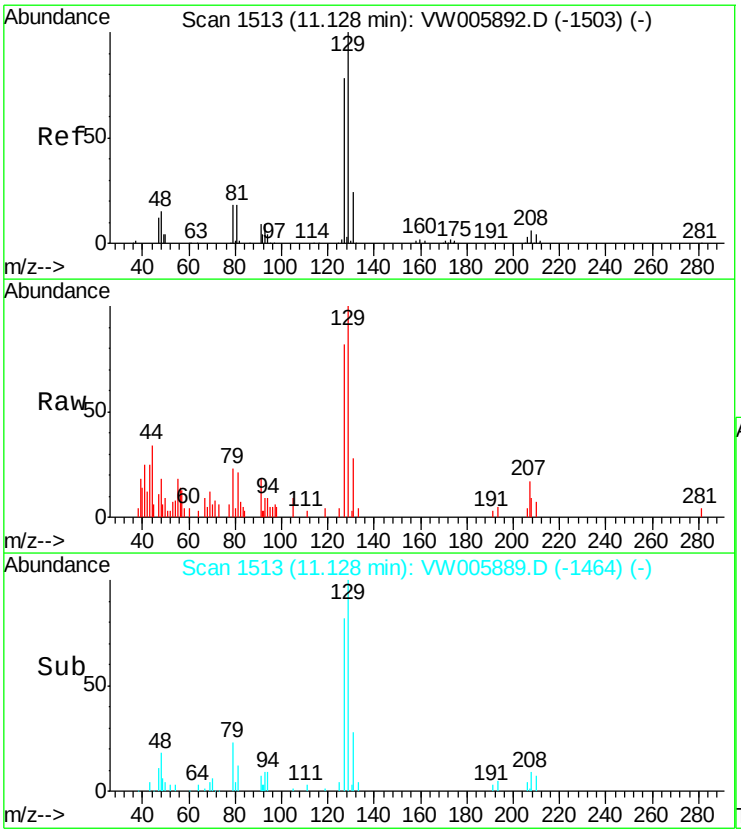

#59
2-Hexanone
Concen: 191.03 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 43 Resp: 6807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 54.7 | 25.7 | 77.1 |

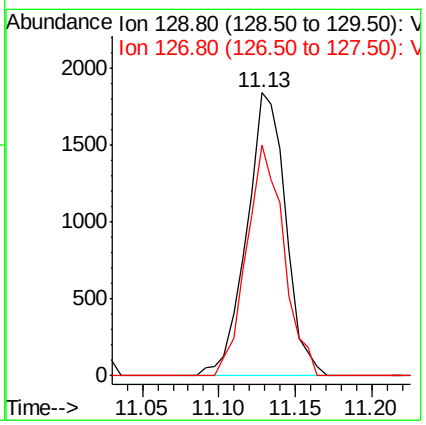


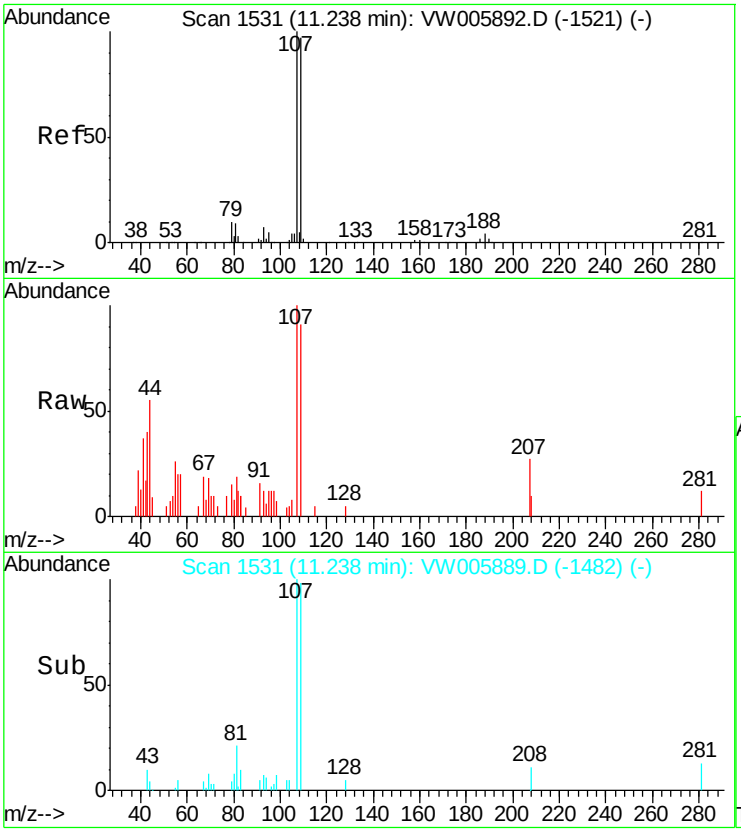




#60
Dibromochloromethane
Concen: 42.25 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:129 Resp: 3280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.5 | 115.5 |



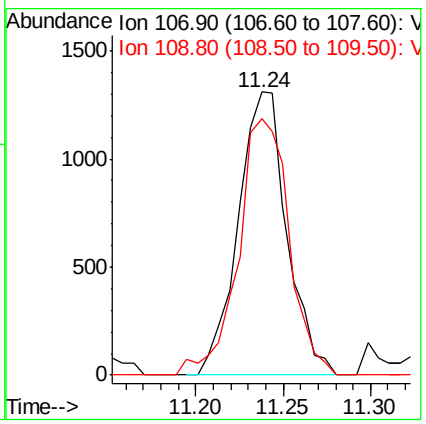


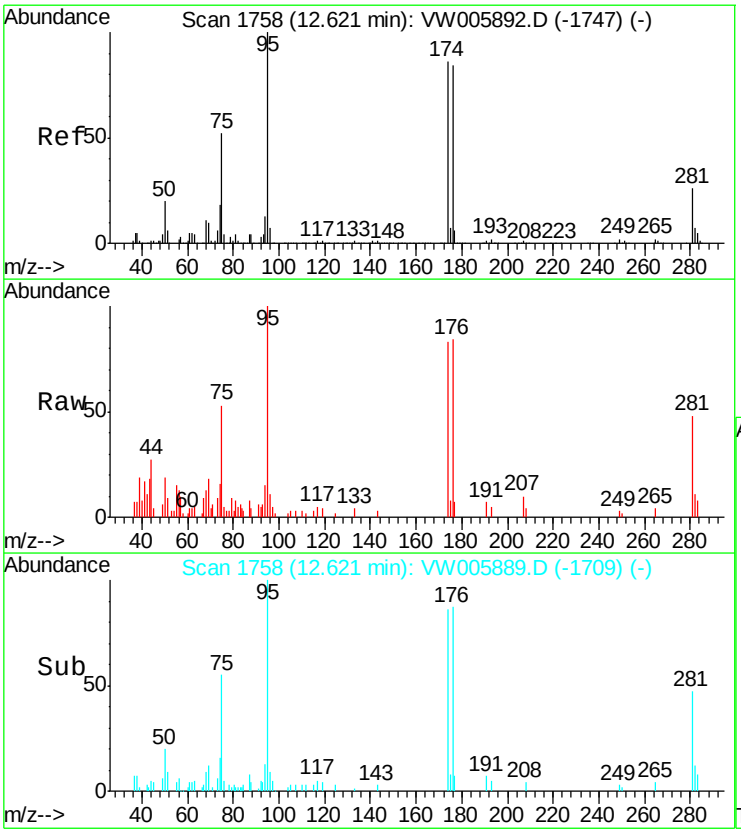

#61
1,2-Dibromoethane
Concen: 42.28 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 2542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.8 | 113.8 |

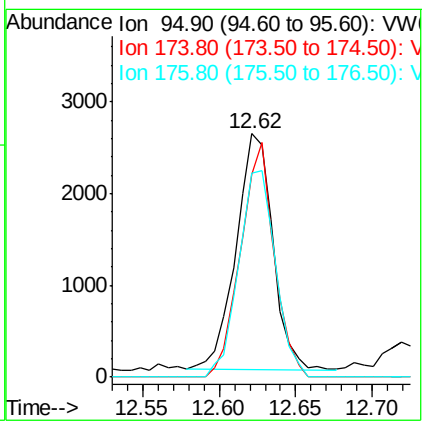


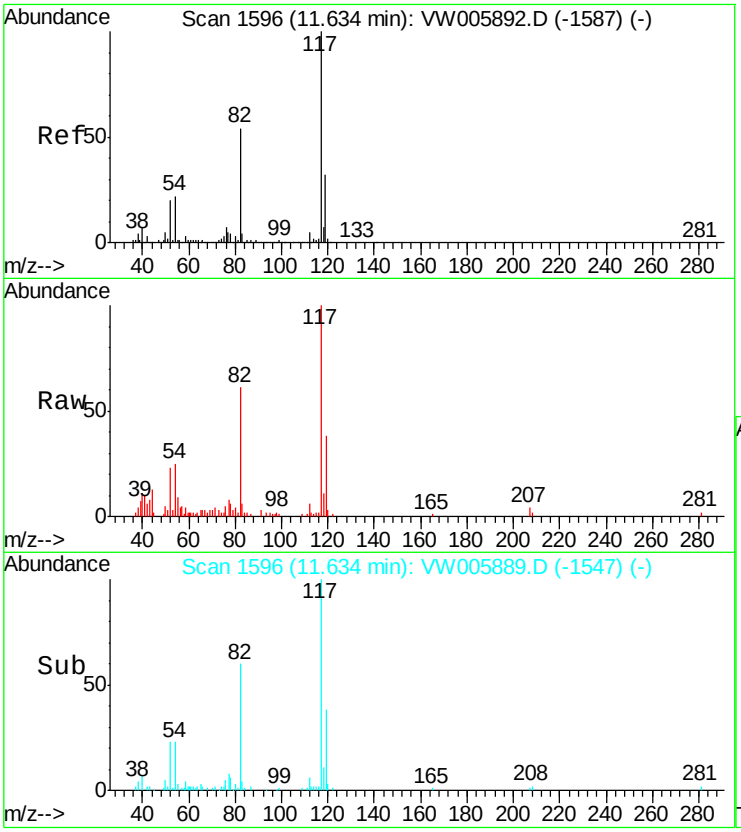




#62
4-Bromofluorobenzene
Concen: 38.10 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 95 Resp: 4287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.5 | 0.0 | 176.4 |
| 176 | 87.5 | 0.0 | 173.0 |



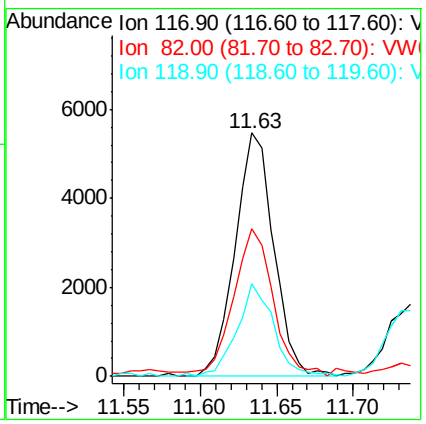


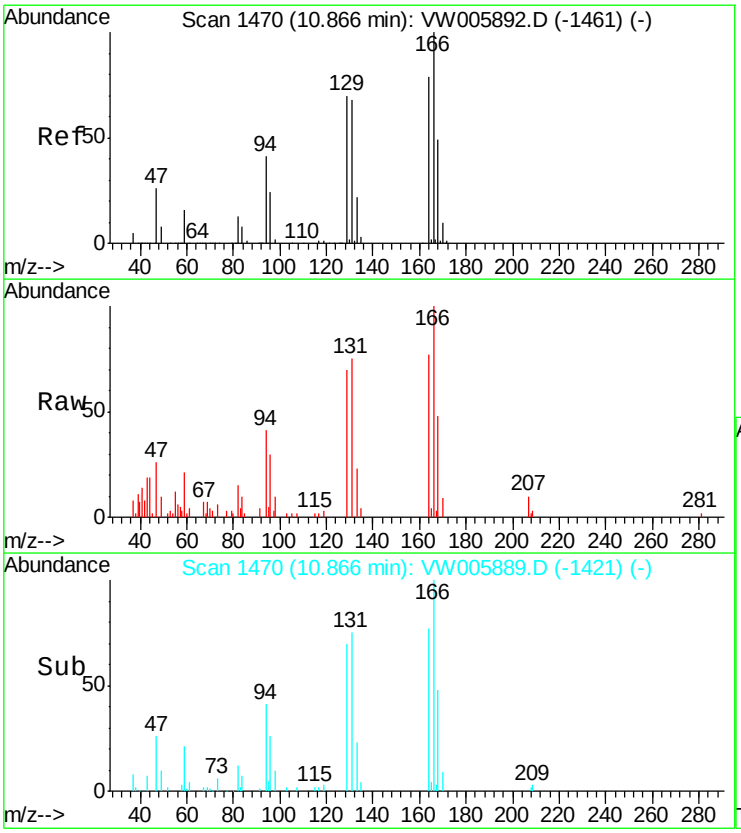

#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion:117 Resp: 9570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.7 | 43.5 | 65.3 |
| 119 | 37.1 | 25.4 | 38.2 |

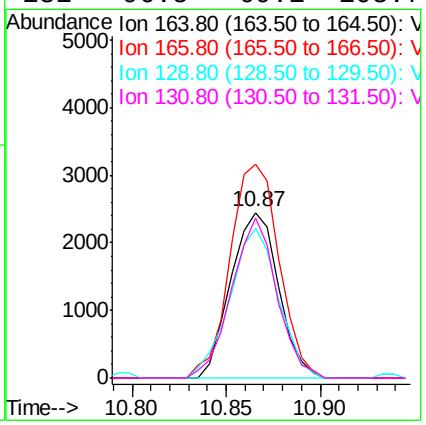


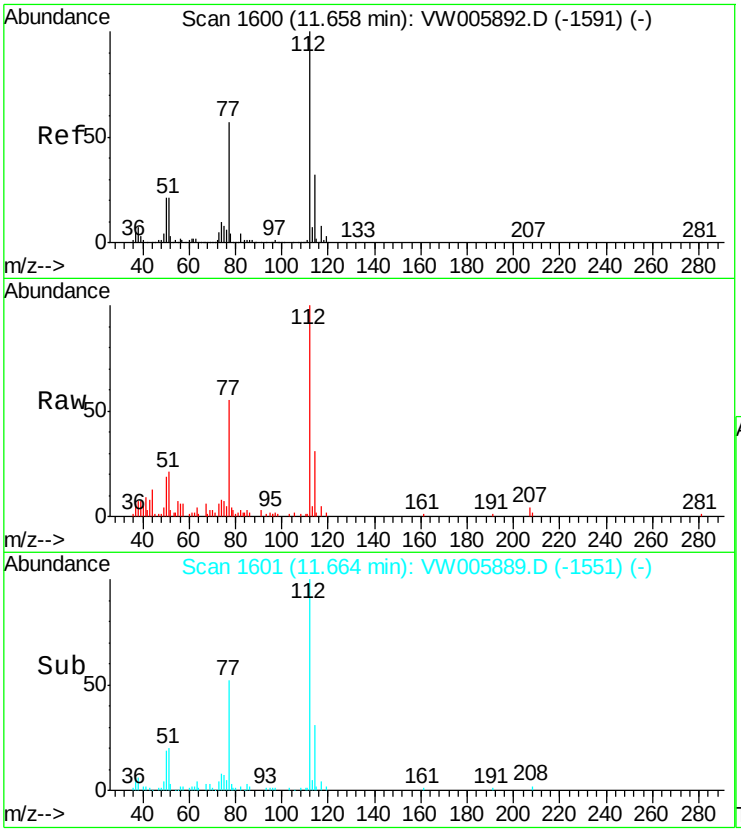




#64
Tetrachloroethene
Concen: 60.38 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:164 Resp: 4304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.3 | 101.5 | 152.3 |
| 129 | 90.7 | 71.1 | 106.7 |
| 131 | 96.5 | 69.1 | 103.7 |



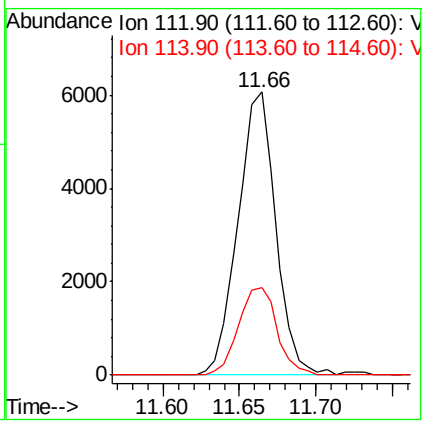


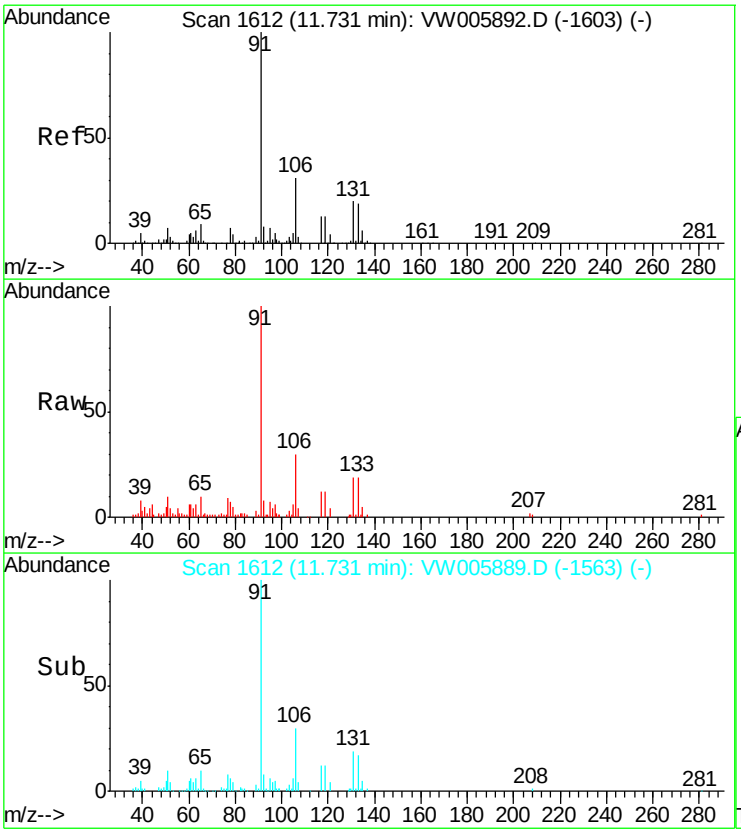

#65
Chlorobenzene
Concen: 50.70 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion:112 Resp: 10394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.9 | 25.6 | 38.4 |

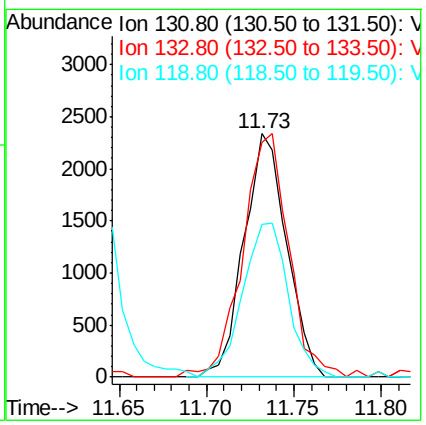


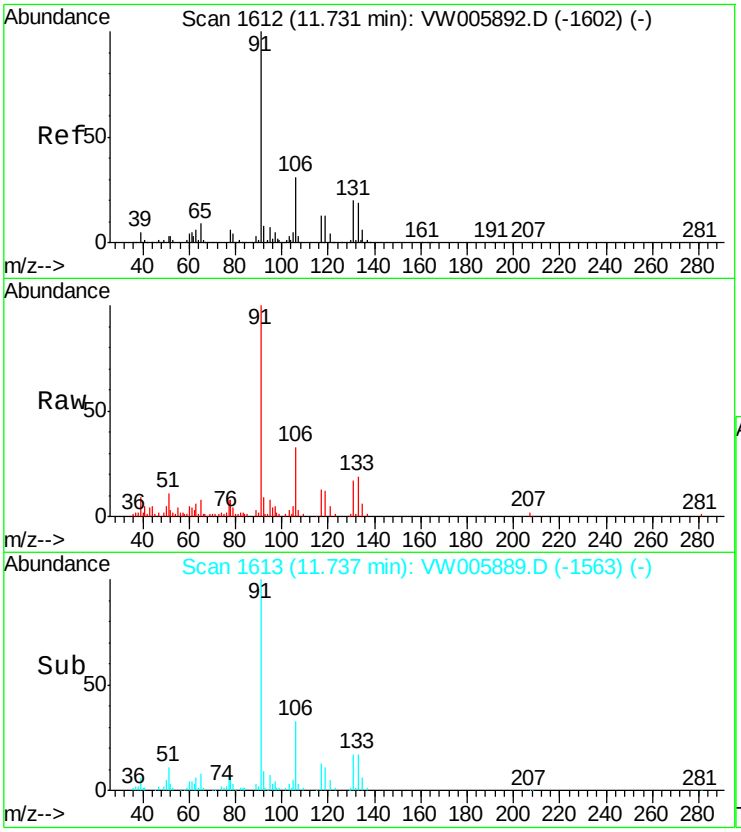




#66
1,1,1,2-Tetrachloroethane
Concen: 52.86 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:131 Resp: 3972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 107.1 | 48.2 | 144.6 |
| 119 | 67.8 | 32.5 | 97.5 |



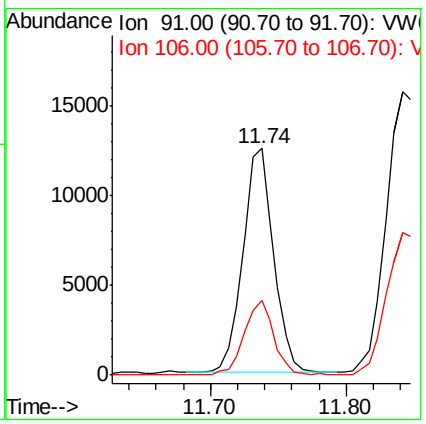


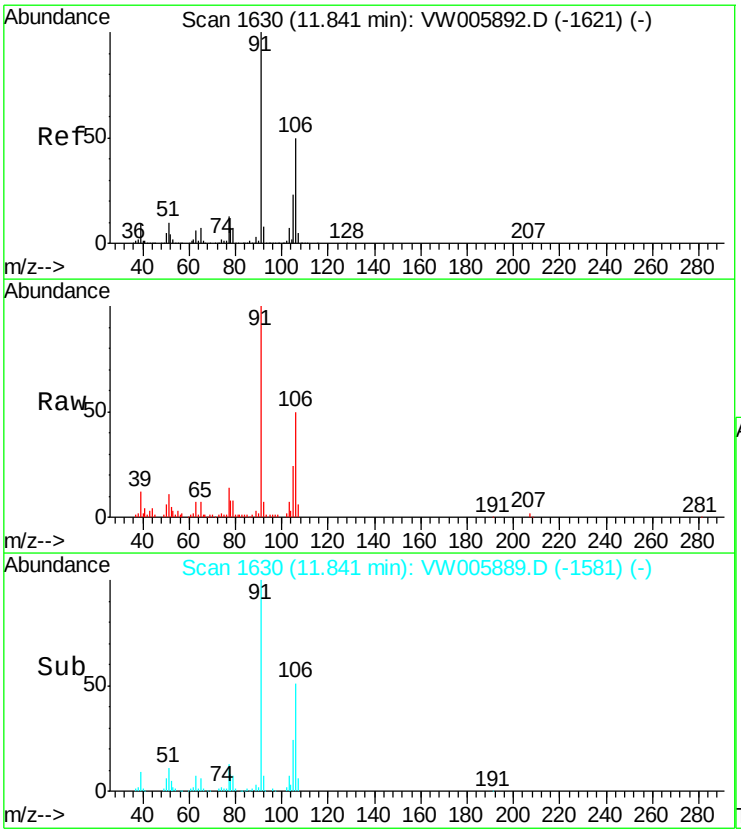

#67
Ethyl Benzene
Concen: 54.39 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 91 Resp: 19695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 33.1 | 25.0 | 37.6 |

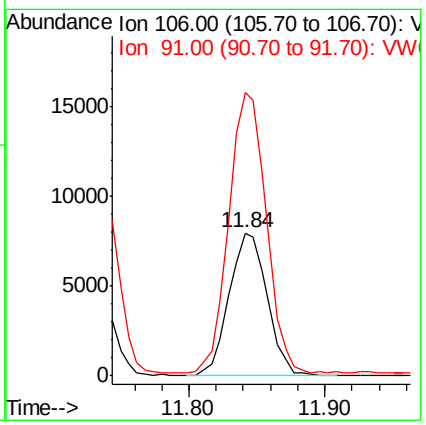


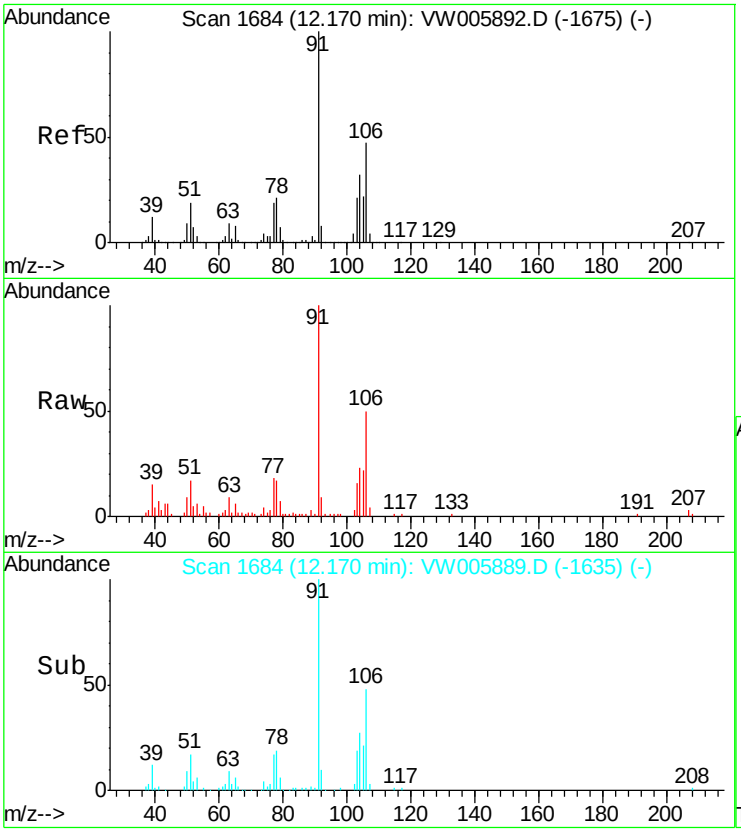




#68
m/p-Xylenes
Concen: 108.95 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:106 Resp: 15416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 194.7 | 160.2 | 240.2 |



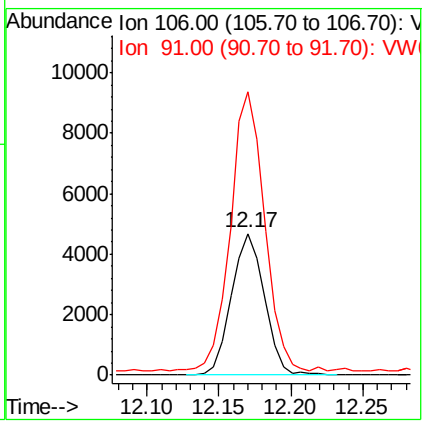


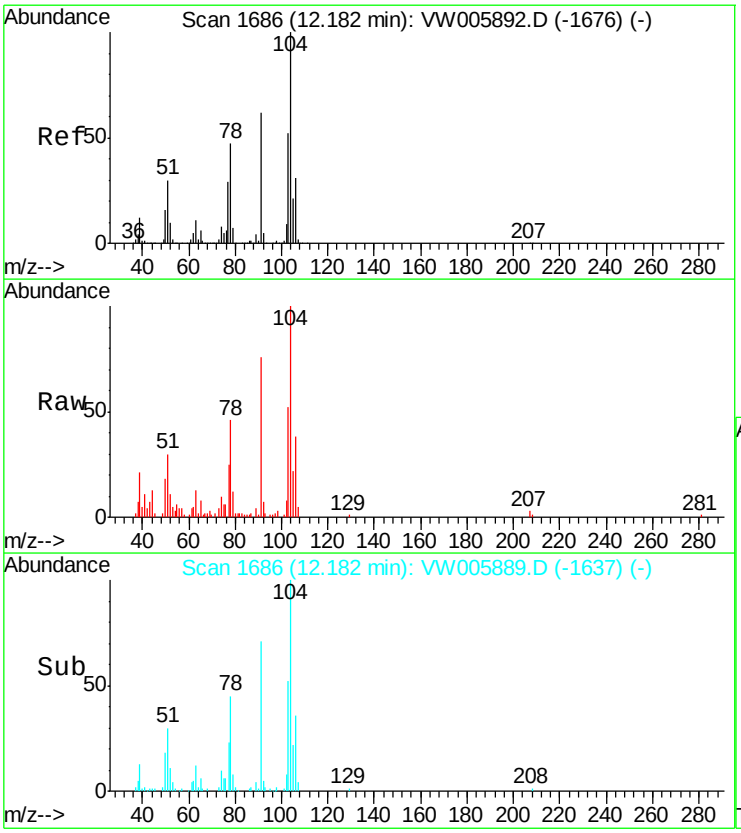

#69
o-Xylene
Concen: 55.40 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 7505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.5 | 106.2 | 318.5 |

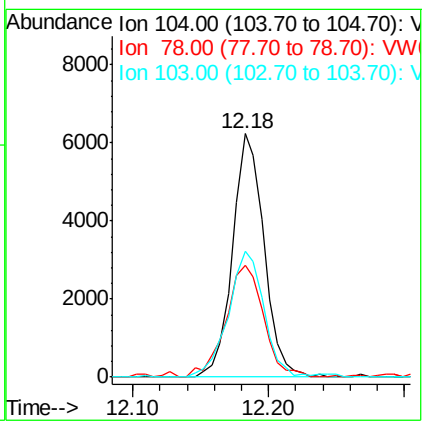


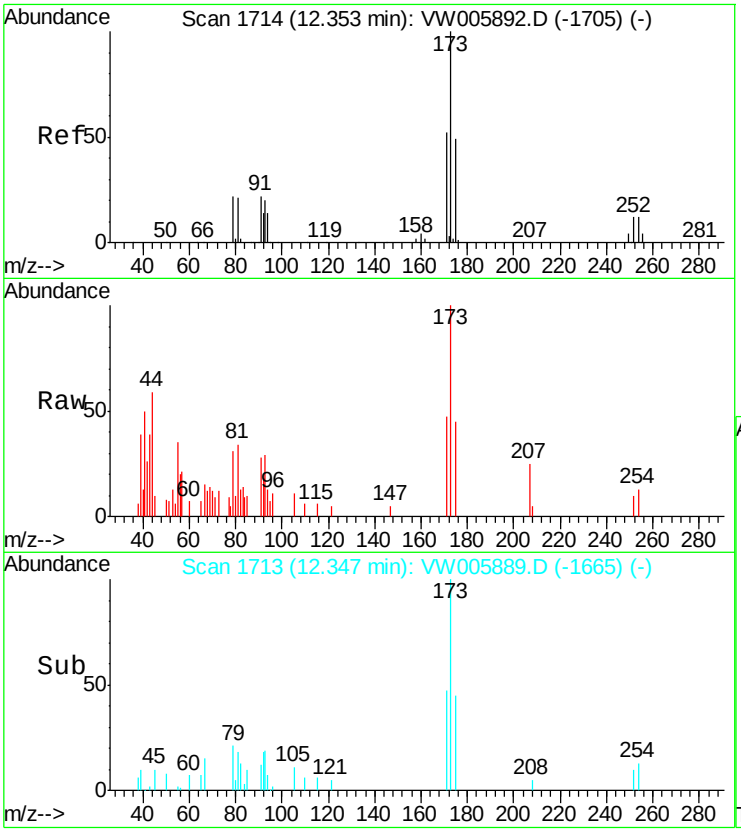




#70
Styrene
Concen: 44.70 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:104 Resp: 10046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 55.0 | 40.4 | 60.6 |
| 103 | 58.2 | 44.2 | 66.2 |



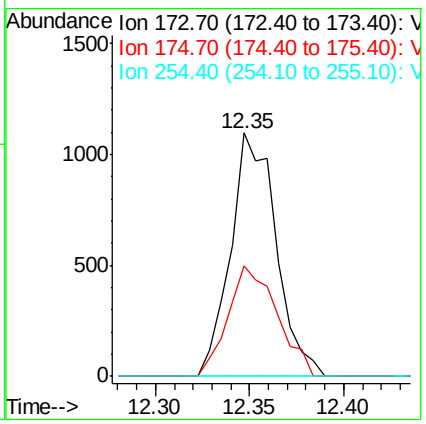


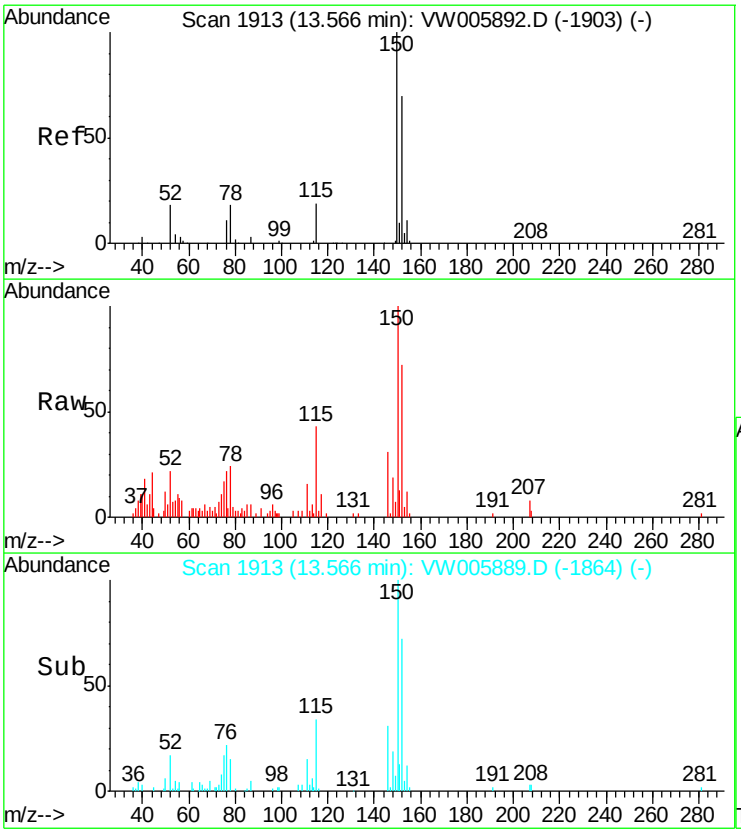

#71
Bromoform
Concen: 41.00 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 1835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 24.7 | 74.1 |
| 254 | 0.0 | 0.2 | 0.2# |

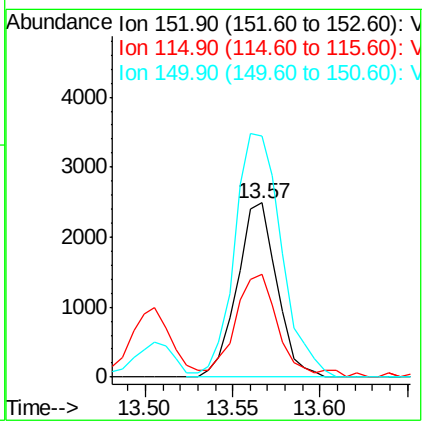


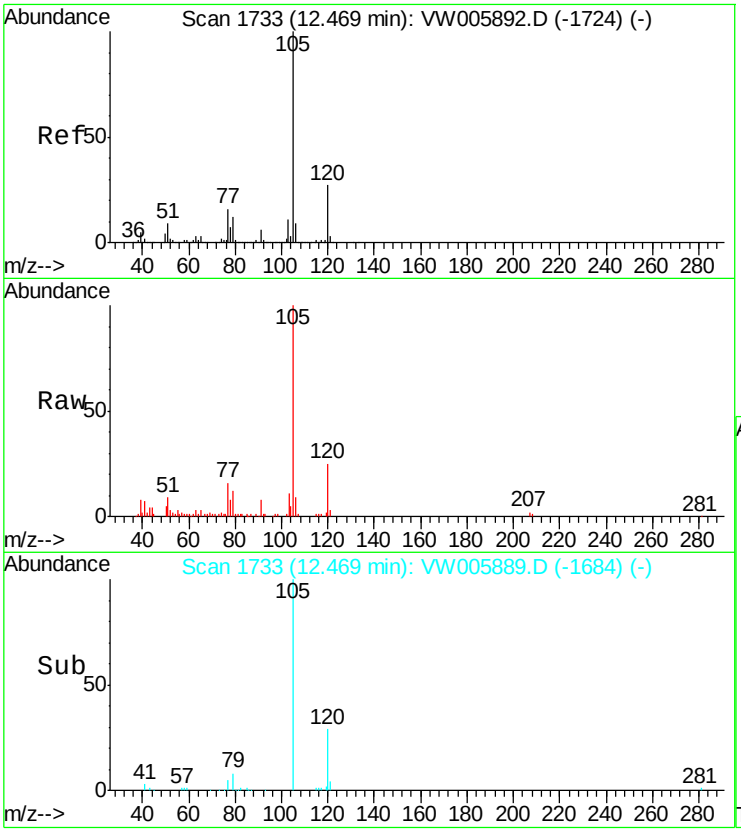




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:152 Resp: 3925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.5 | 28.3 | 85.0 |
| 150 | 165.1 | 0.0 | 349.2 |



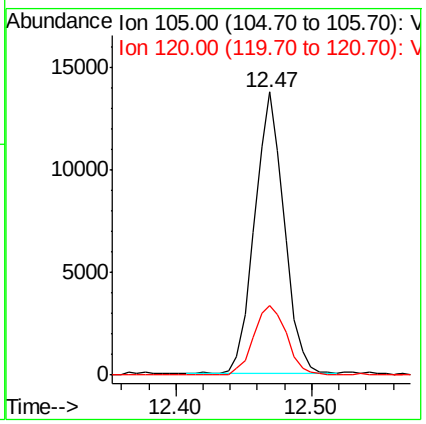


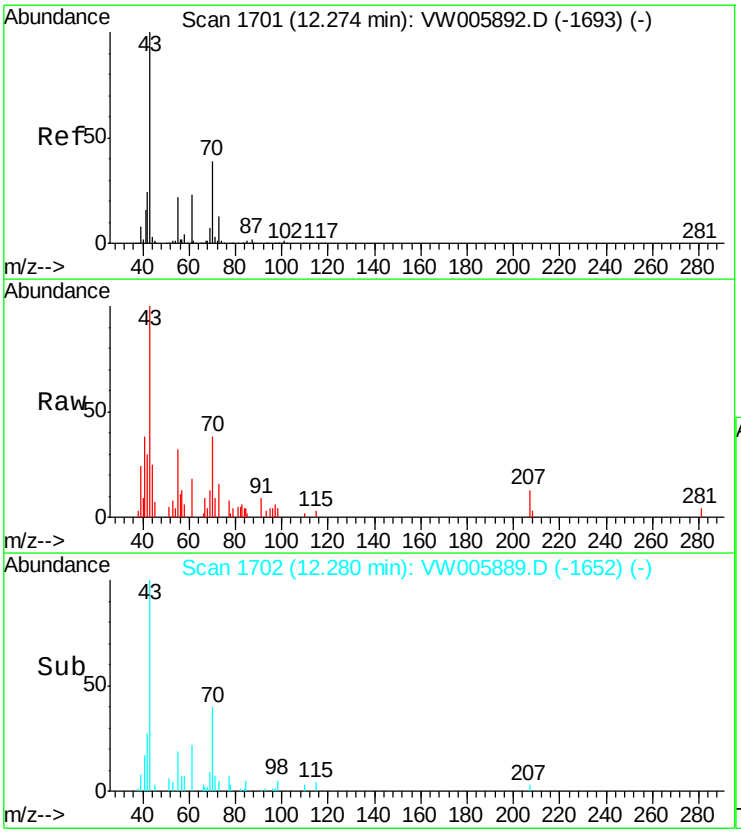

#73
Isopropylbenzene
Concen: 73.44 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion:105 Resp: 21051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.5 | 13.6 | 40.8 |

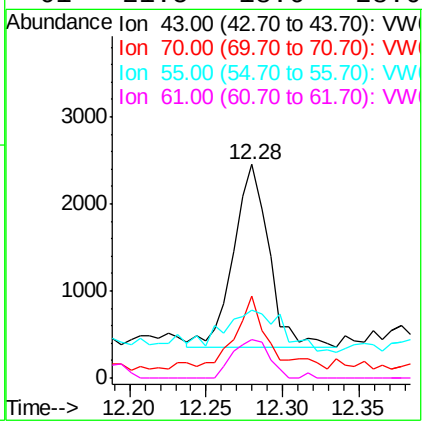


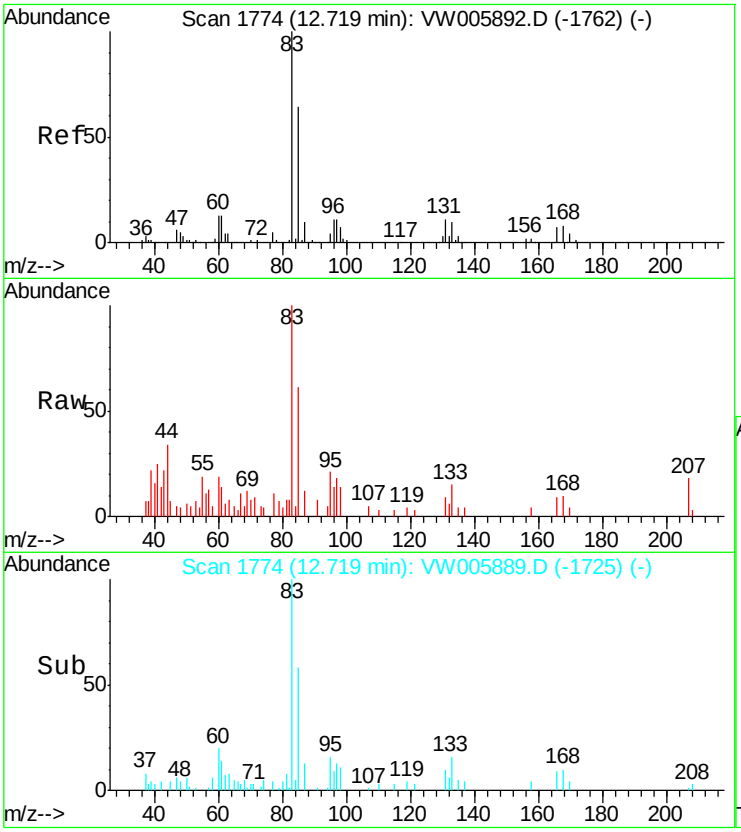




#74
N-amyl acetate
Concen: 49.31 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 43 Resp: 3357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 32.8 | 31.6 | 47.4 |
| 55 | 37.7 | 17.9 | 26.9# |
| 61 | 21.5 | 18.6 | 28.0 |



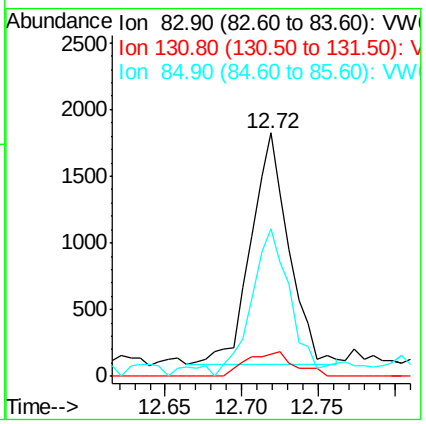


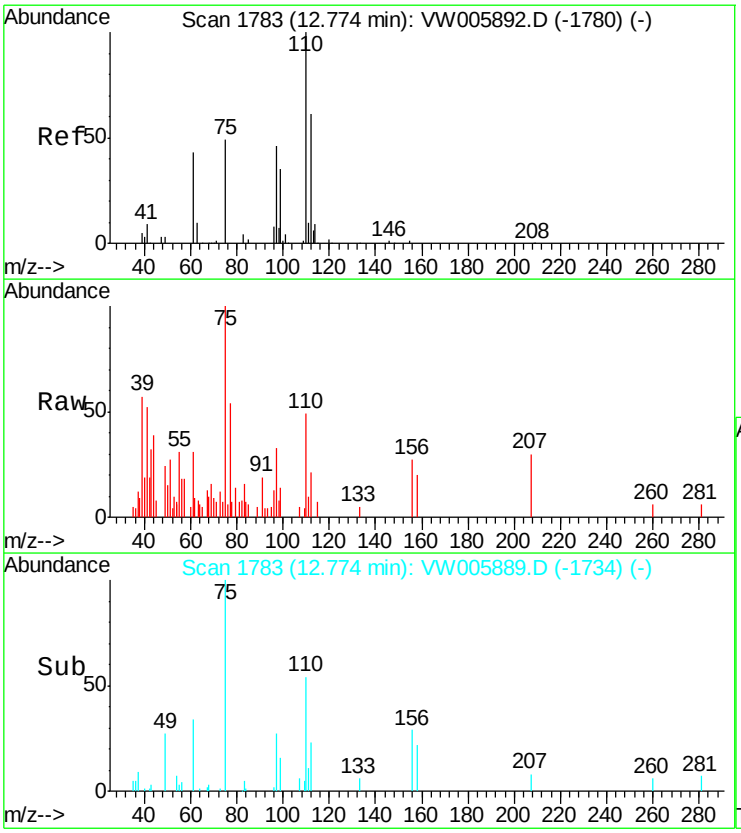

#75
1,1,2,2-Tetrachloroethane
Concen: 62.92 ug/l
RT: 12.72 min Scan# 1774
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 2956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 13.7 | 5.8 | 17.3 |
| 85 | 66.0 | 32.4 | 97.0 |

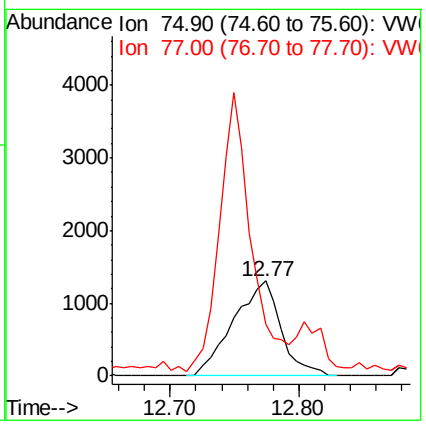


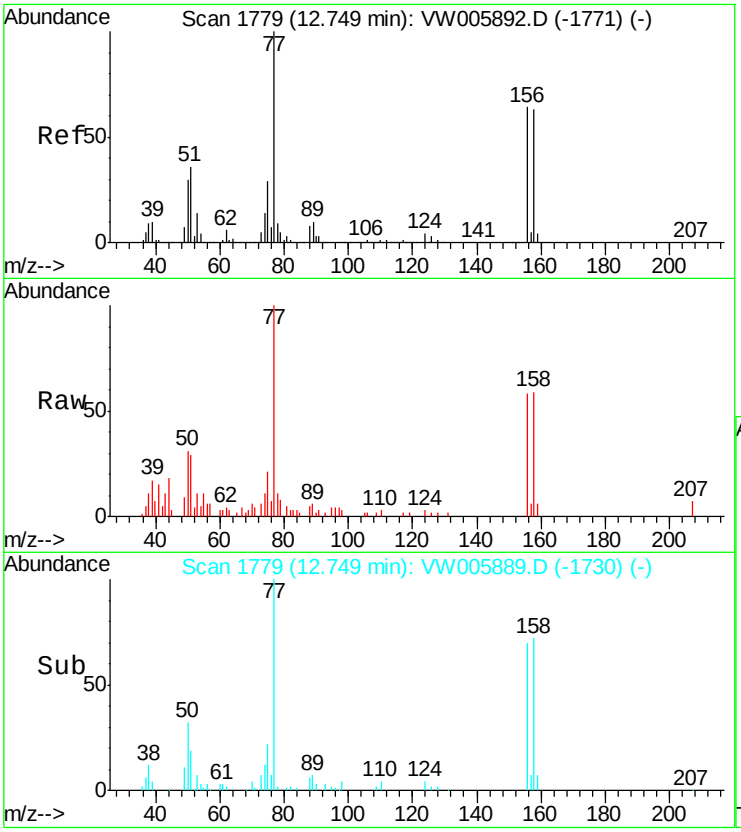




#76
1,2,3-Trichloropropane
Concen: 55.53 ug/l
RT: 12.77 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 75 Resp: 3336

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



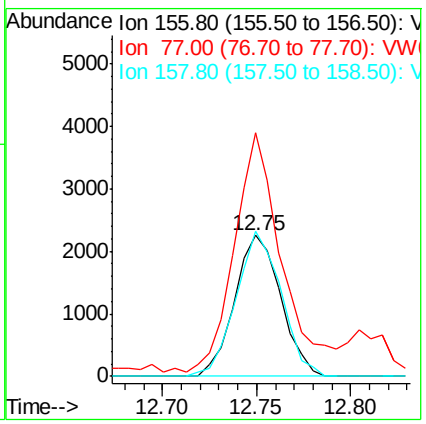


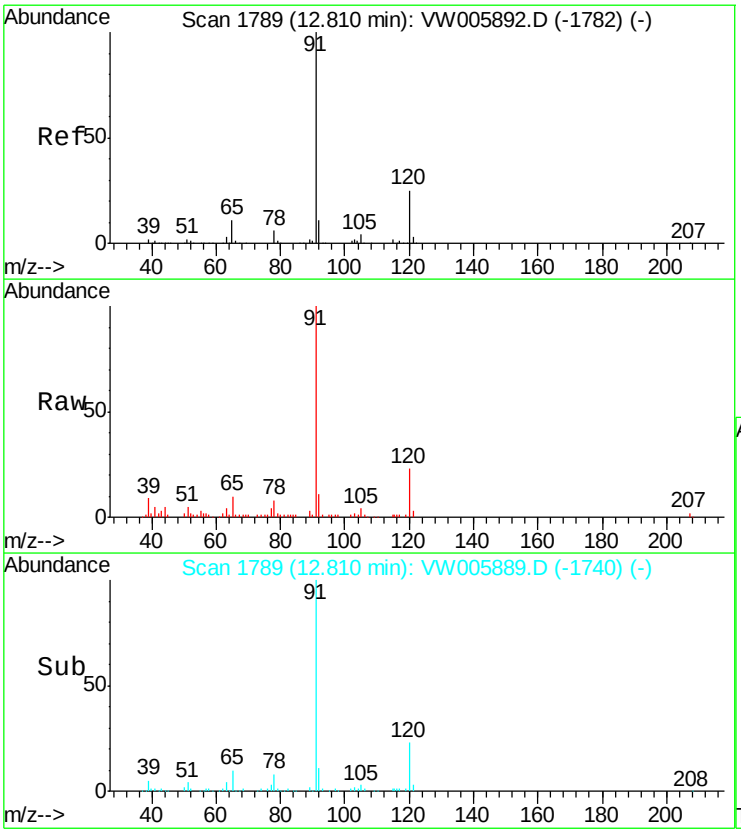

#77
Bromobenzene
Concen: 56.19 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 3816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.7 | 85.8 | 257.4 |
| 158 | 100.6 | 49.1 | 147.4 |

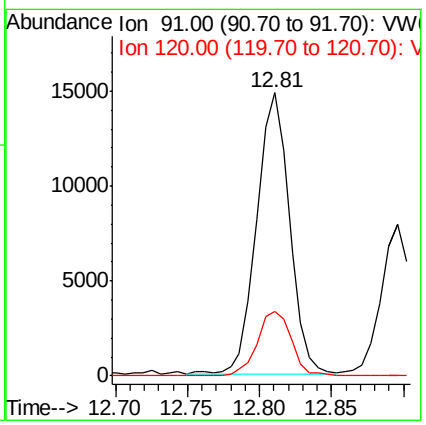


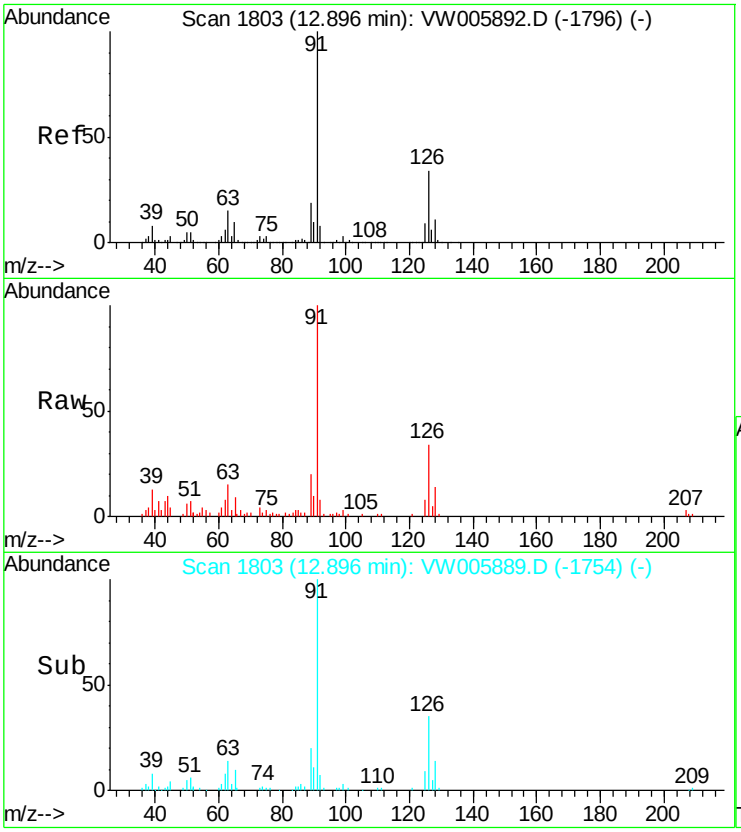




#78
n-propylbenzene
Concen: 68.91 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 91 Resp: 23236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 24.0 | 12.0 | 36.0 |



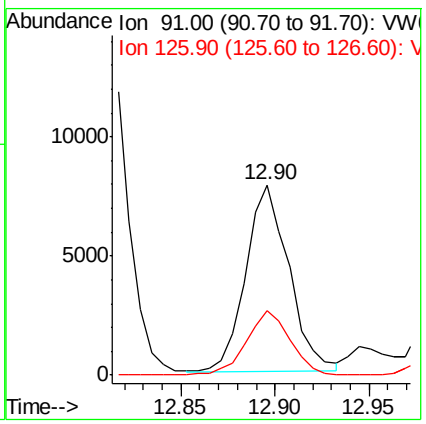


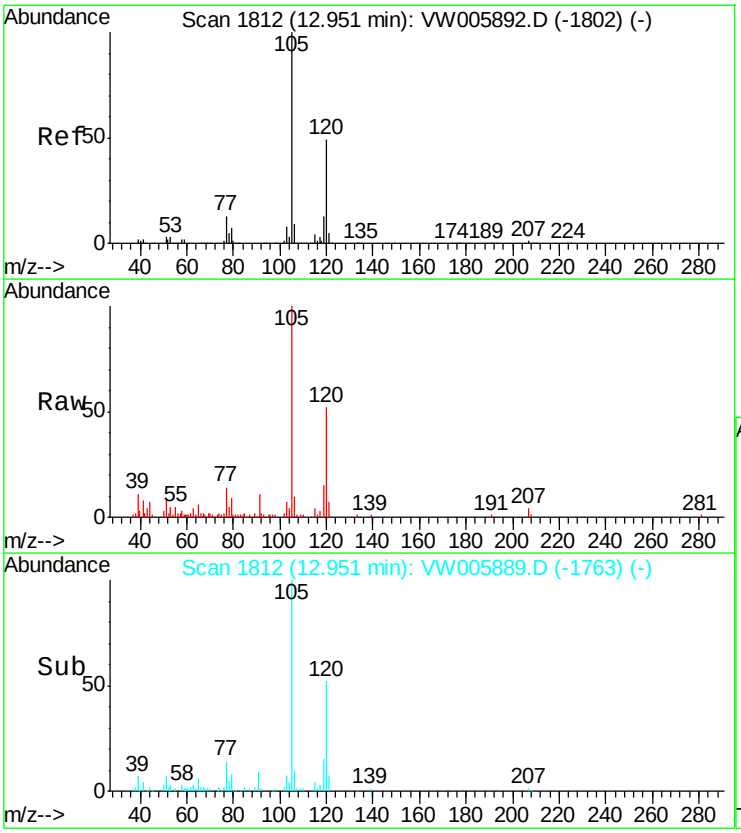

#79
2-Chlorotoluene
Concen: 65.28 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 91 Resp: 12425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.8 | 17.5 | 52.5 |

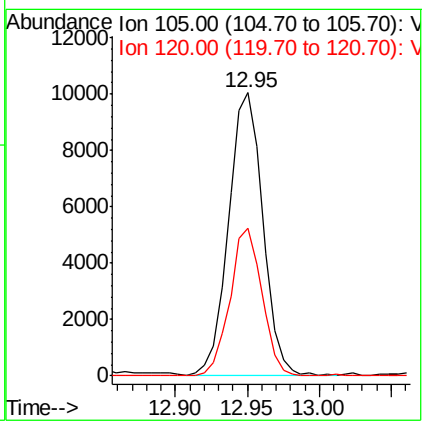


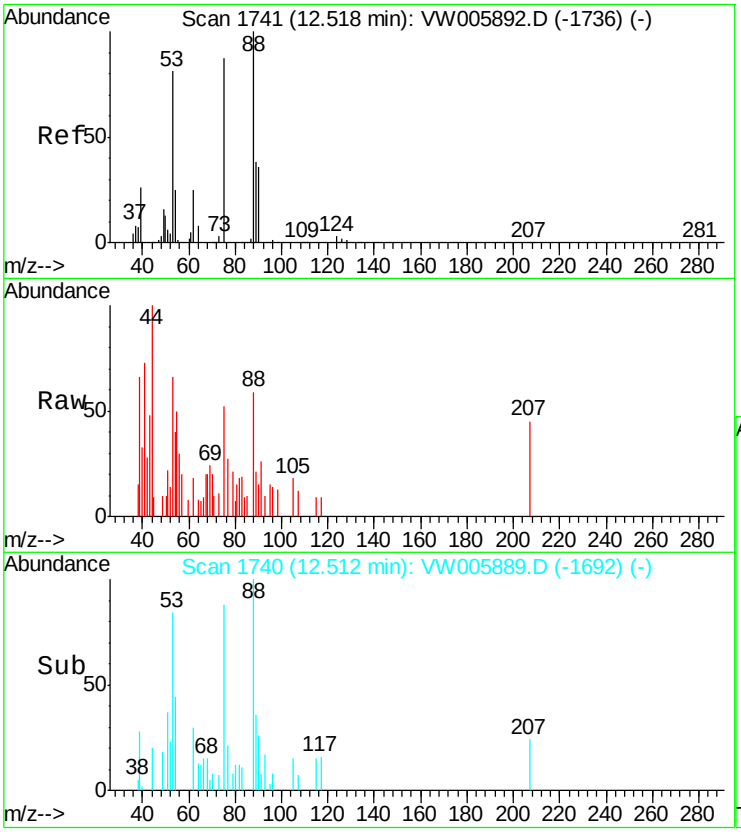




#80
1,3,5-Trimethylbenzene
Concen: 69.19 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:105 Resp: 16744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.7 | 24.6 | 73.8 |



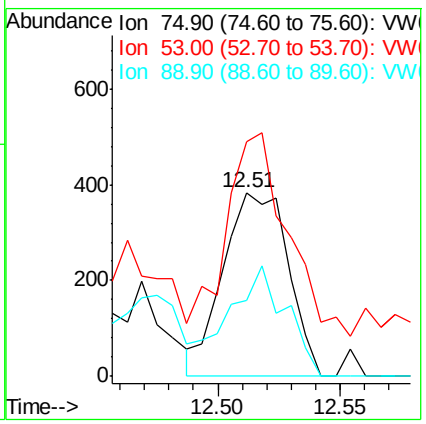


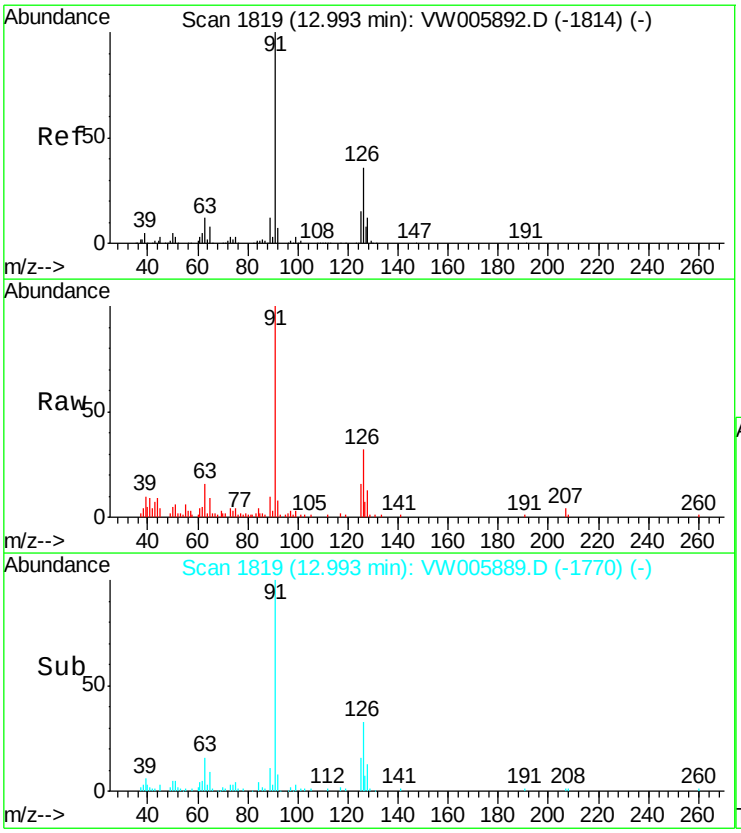

#81
trans-1,4-Dichloro-2-butene
Concen: 42.75 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion: 75 Resp: 710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.8 | 76.5 | 114.7 |
| 89 | 50.0 | 37.6 | 56.4 |

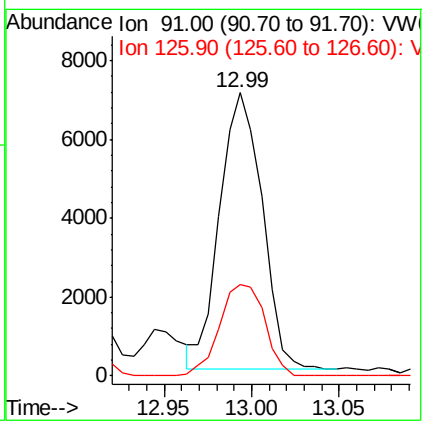


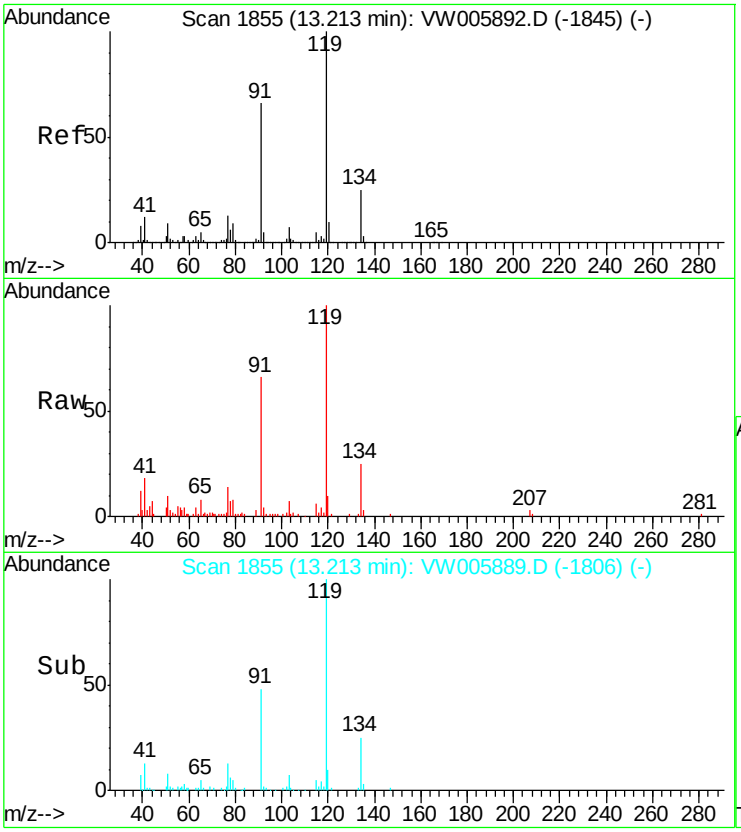




#82
4-Chlorotoluene
Concen: 58.98 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 91 Resp: 11812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 35.3 | 17.4 | 52.2 |



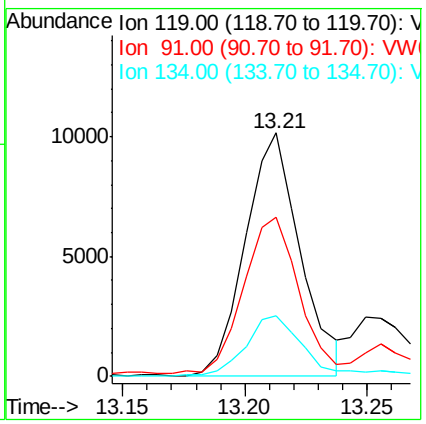


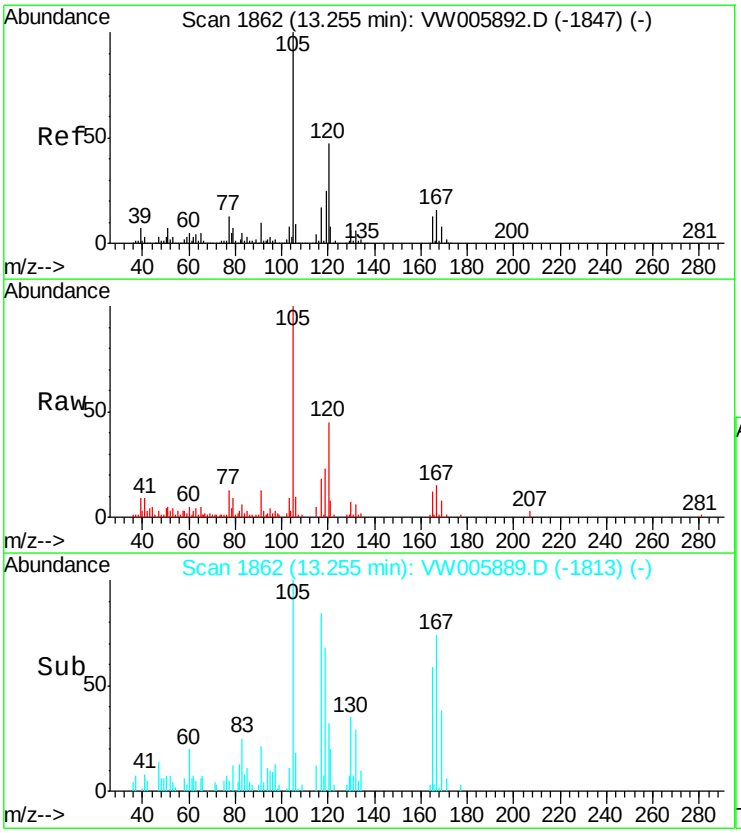

#83
tert-Butylbenzene
Concen: 73.93 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 15913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.8 | 32.4 | 97.0 |
| 134 | 27.0 | 13.2 | 39.6 |

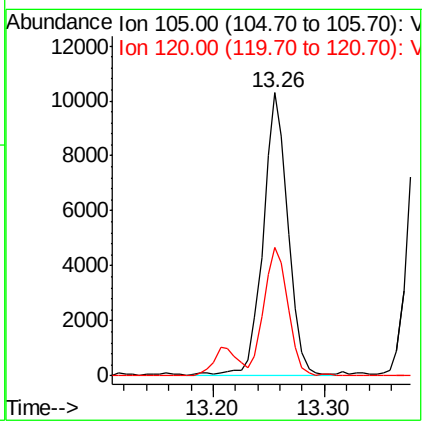


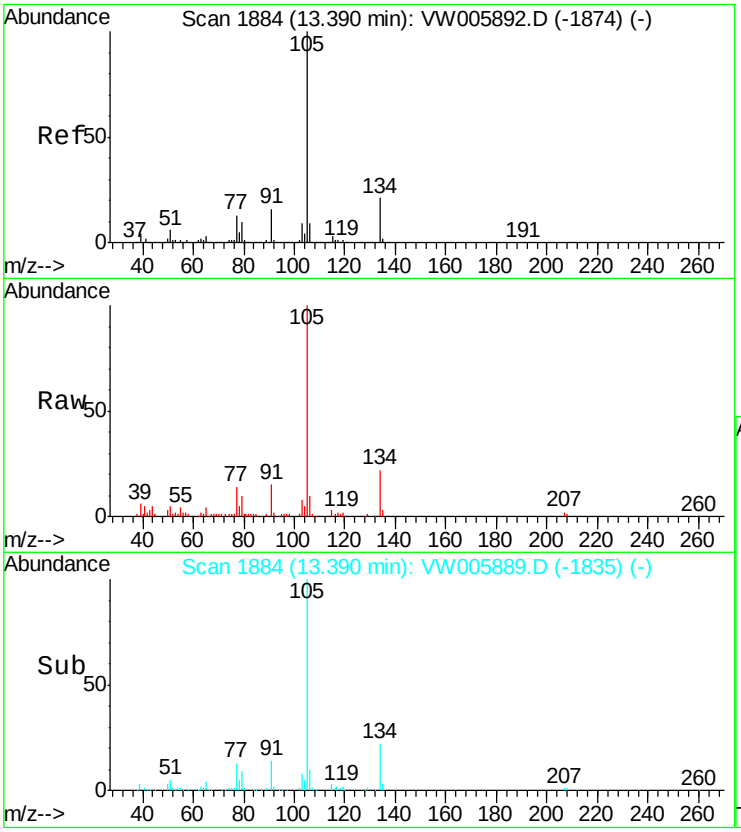




#84
1,2,4-Trimethylbenzene
Concen: 66.09 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:105 Resp: 16134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.8 | 68.3 |



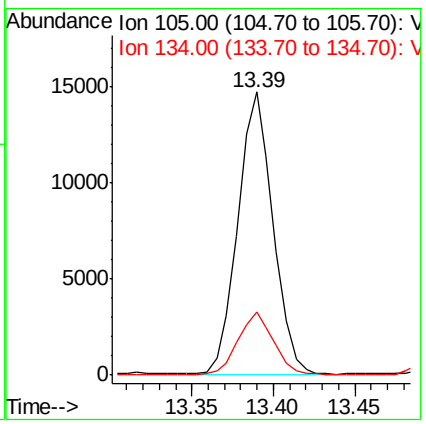


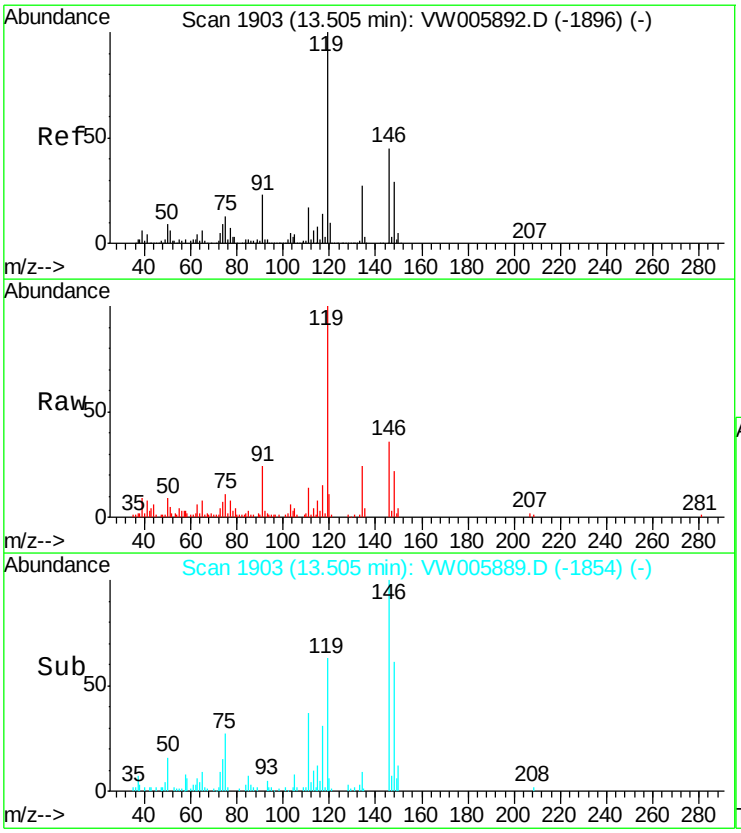

#85
sec-Butylbenzene
Concen: 72.55 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 21919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 22.4 | 10.4 | 31.4 |

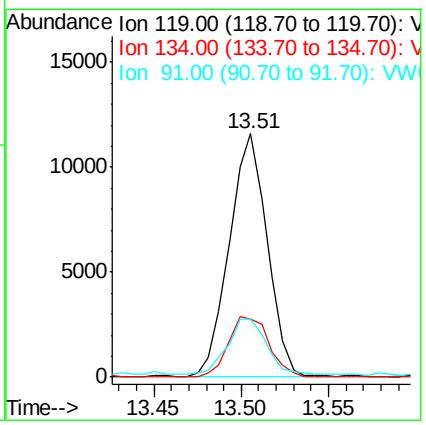


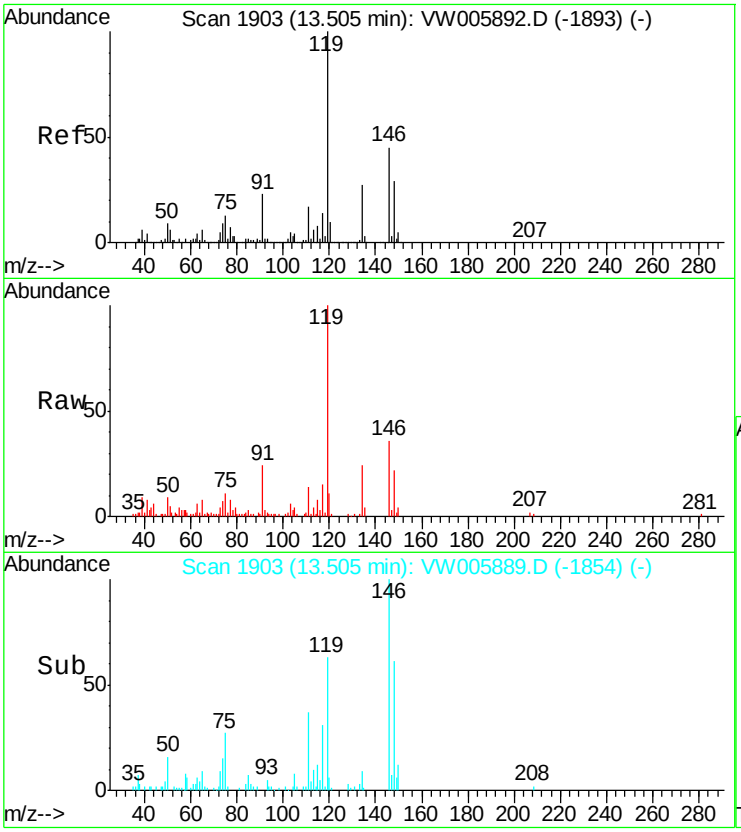




#86
p-Isopropyltoluene
Concen: 64.68 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:119 Resp: 17575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.3 | 13.5 | 40.5 |
| 91 | 23.3 | 11.9 | 35.5 |



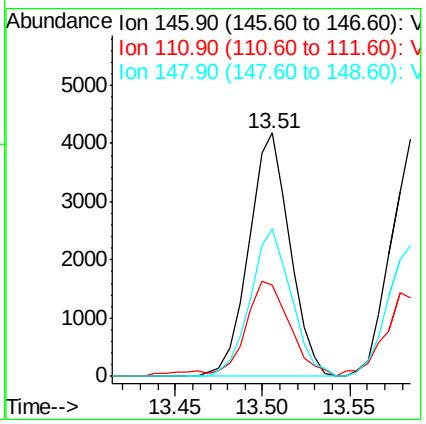


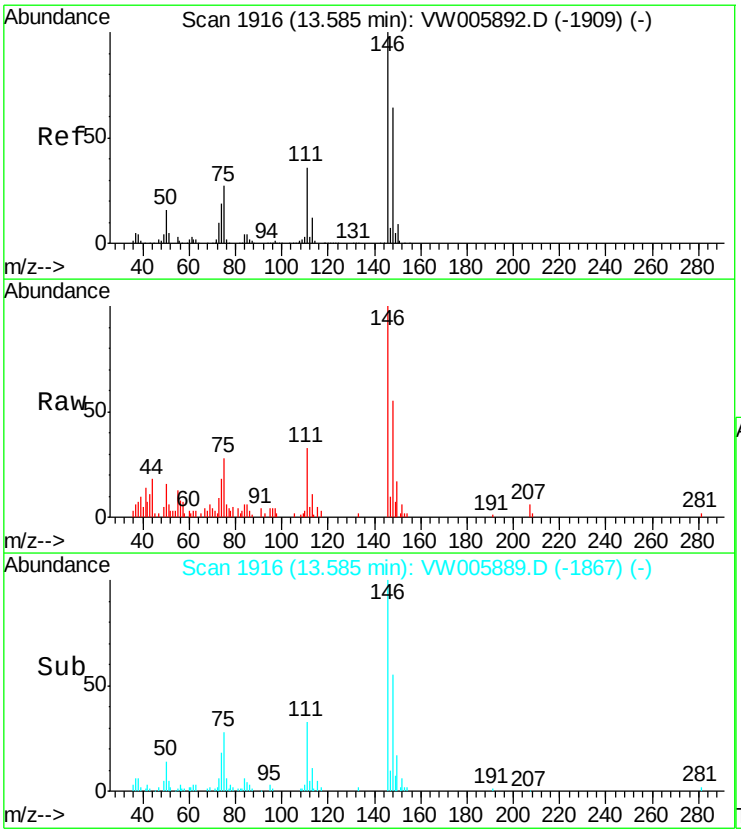

#87
1,3-Dichlorobenzene
Concen: 50.55 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 6820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 19.5 | 58.5 |
| 148 | 60.2 | 32.1 | 96.5 |

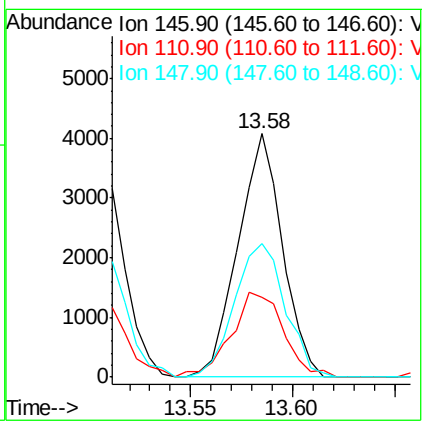


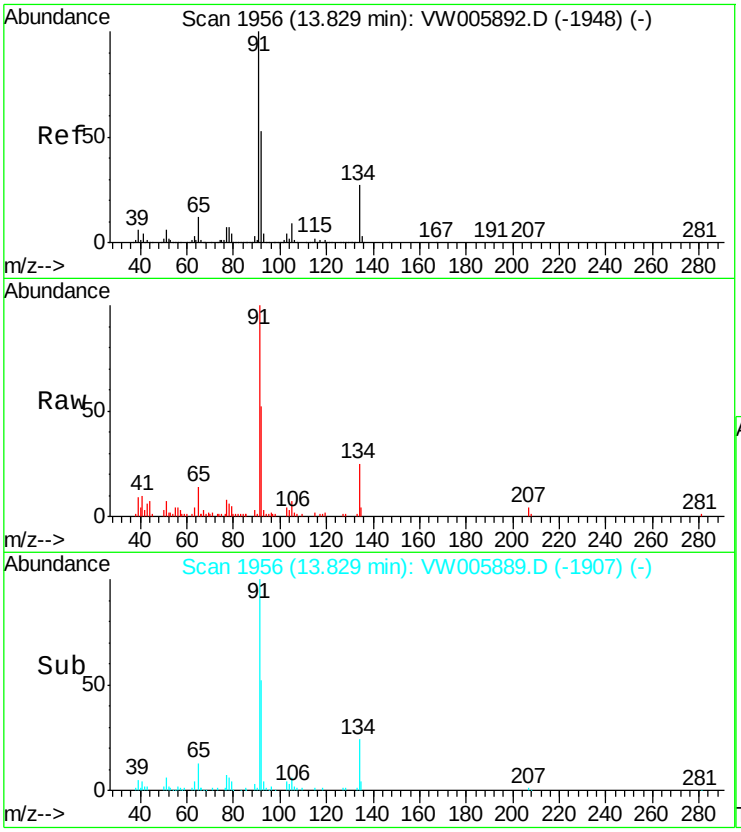




#88
1,4-Dichlorobenzene
Concen: 46.04 ug/l
RT: 13.58 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:146 Resp: 6173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 19.0 | 57.0 |
| 148 | 62.6 | 32.0 | 96.2 |



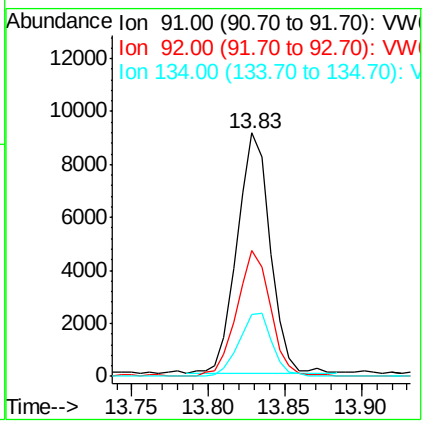


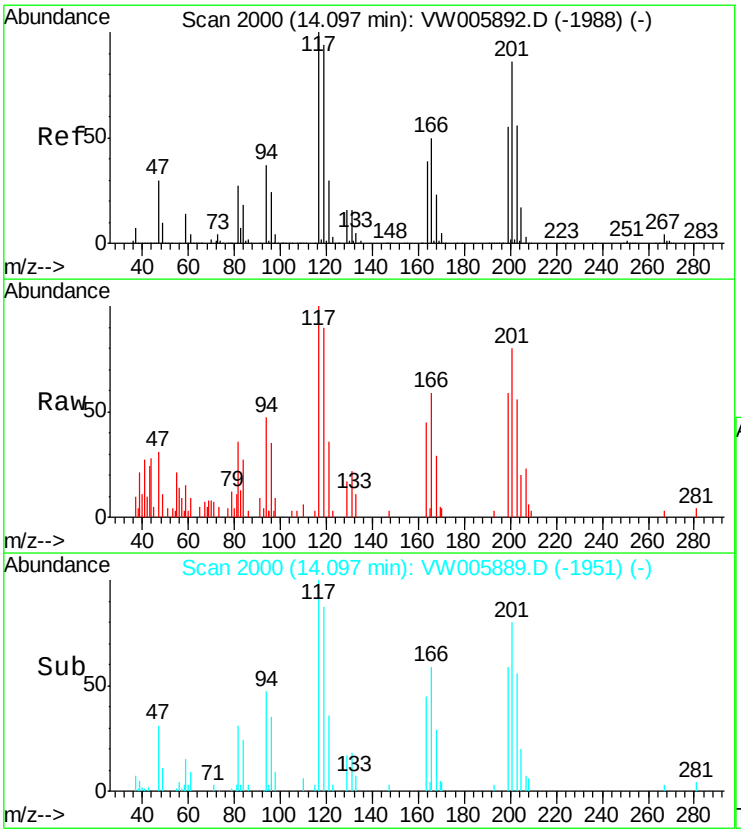

#89
n-Butylbenzene
Concen: 53.12 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 13606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.6 | 79.8 |
| 134 | 26.3 | 13.8 | 41.4 |

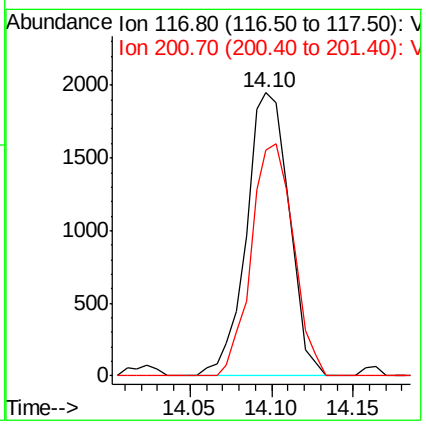


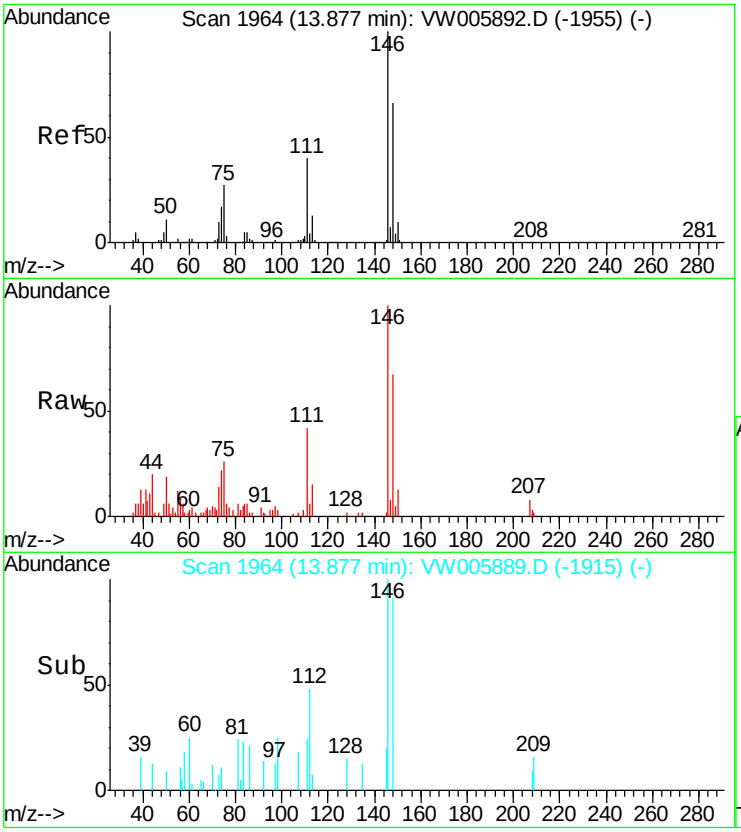




#90
Hexachloroethane
Concen: 69.72 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:117 Resp: 3563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 80.7 | 44.5 | 133.5 |



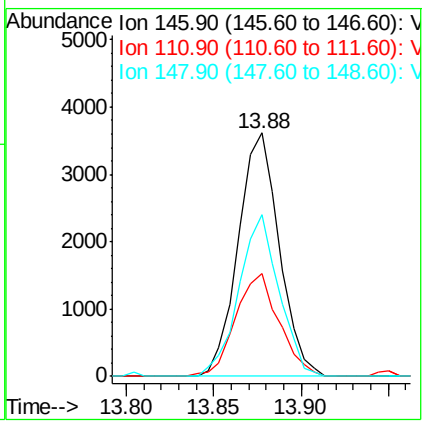


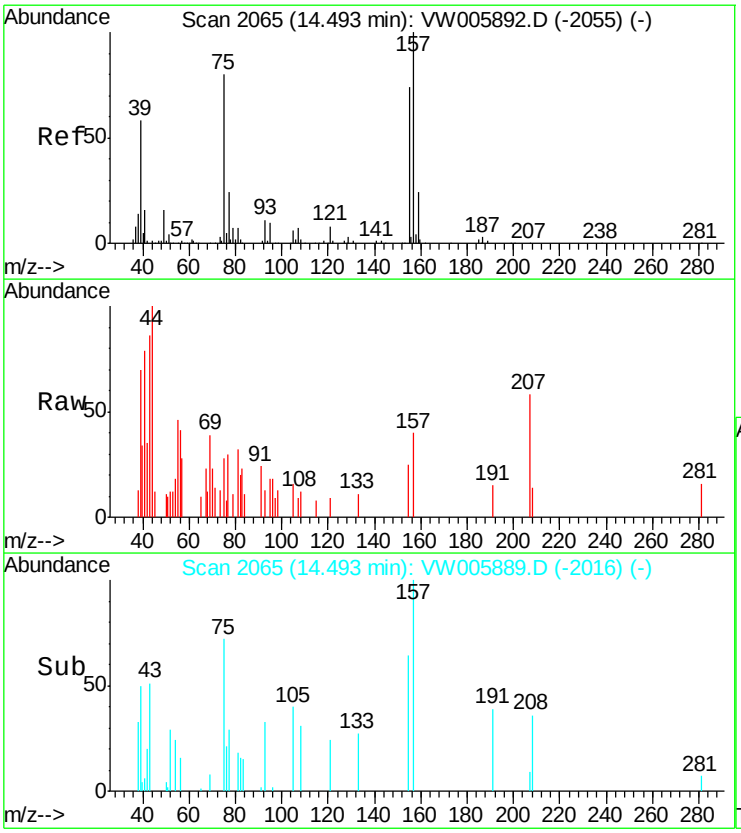

#91
1,2-Dichlorobenzene
Concen: 49.37 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :** MSVOA_W
**ClientSampleId :** VSTDICCC050

Tgt Ion:146 Resp: 5914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.7 | 20.3 | 61.0 |
| 148 | 64.6 | 32.5 | 97.4 |

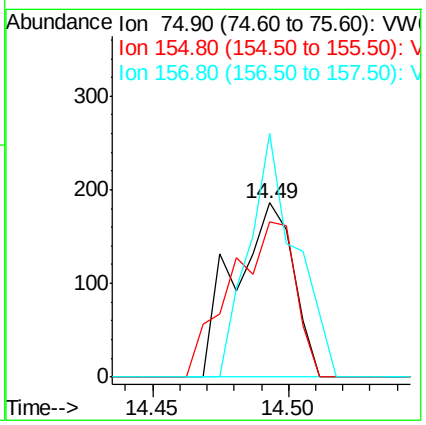


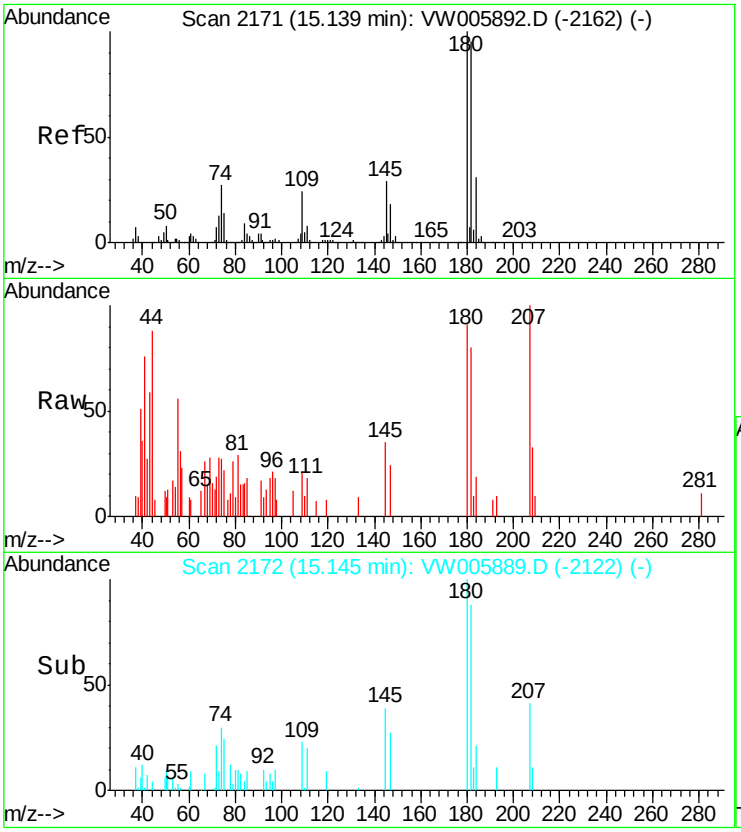




#92
1,2-Dibromo-3-Chloropropane
Concen: 31.75 ug/l
RT: 14.49 min Scan# 2065
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion: 75 Resp: 278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 97.5 | 44.8 | 134.3 |
| 157 | 111.9 | 58.9 | 176.6 |



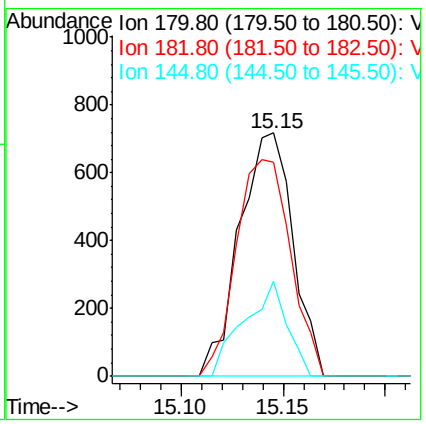


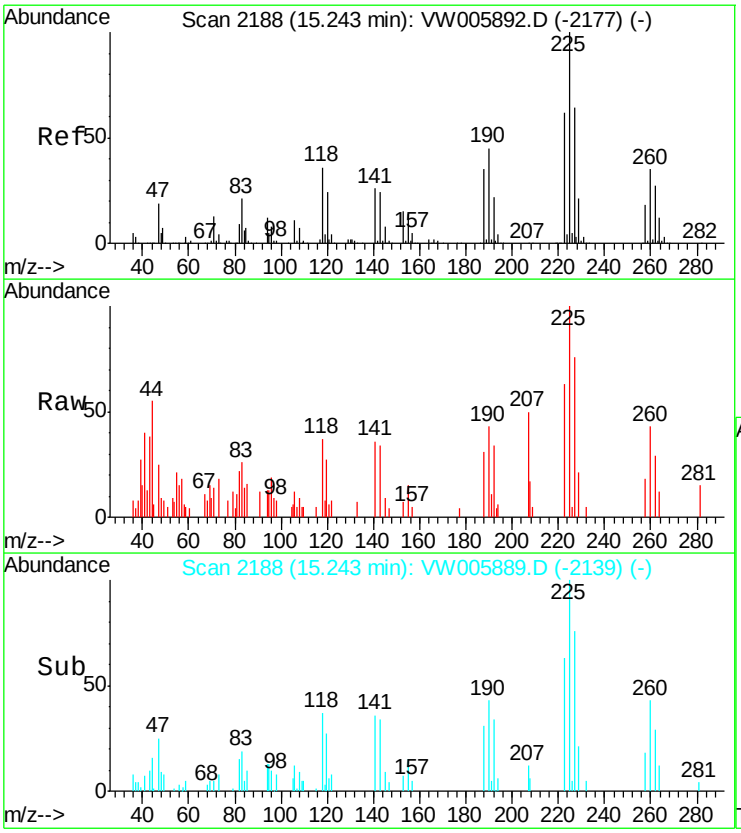

#93
1,2,4-Trichlorobenzene
Concen: 14.02 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 1302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.7 | 47.8 | 143.3 |
| 145 | 31.6 | 14.5 | 43.6 |

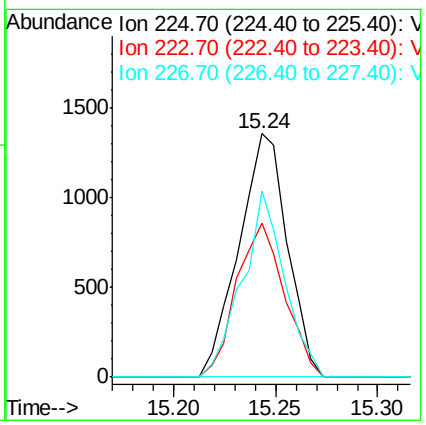


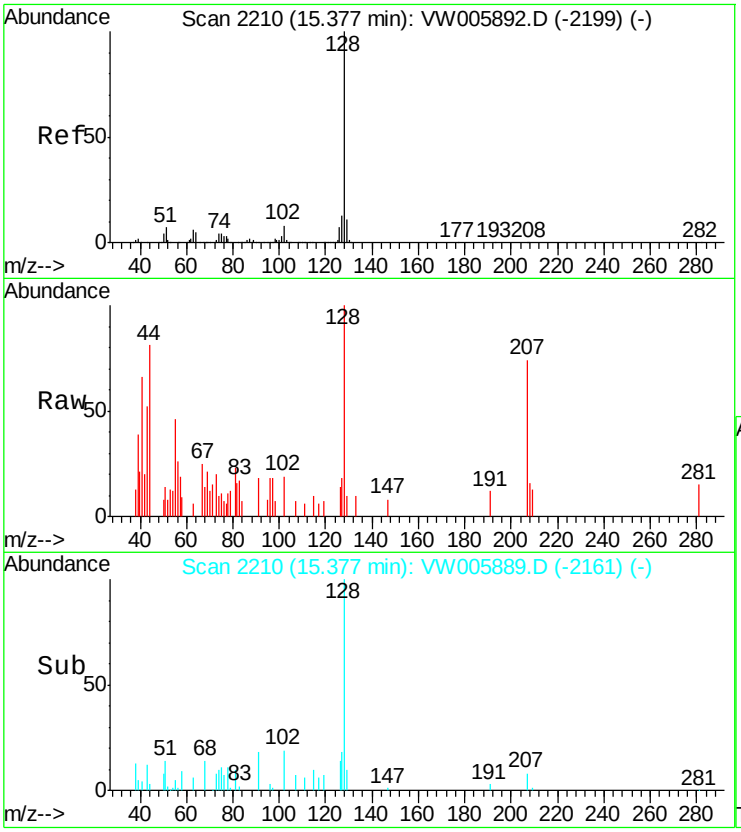




#94
Hexachlorobutadiene
Concen: 38.67 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:225 Resp: 2242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.2 | 31.2 | 93.6 |
| 227 | 67.1 | 31.9 | 95.9 |



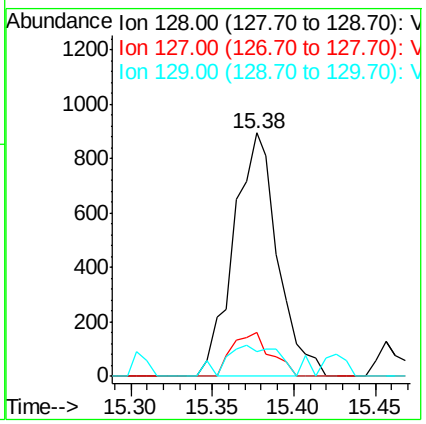


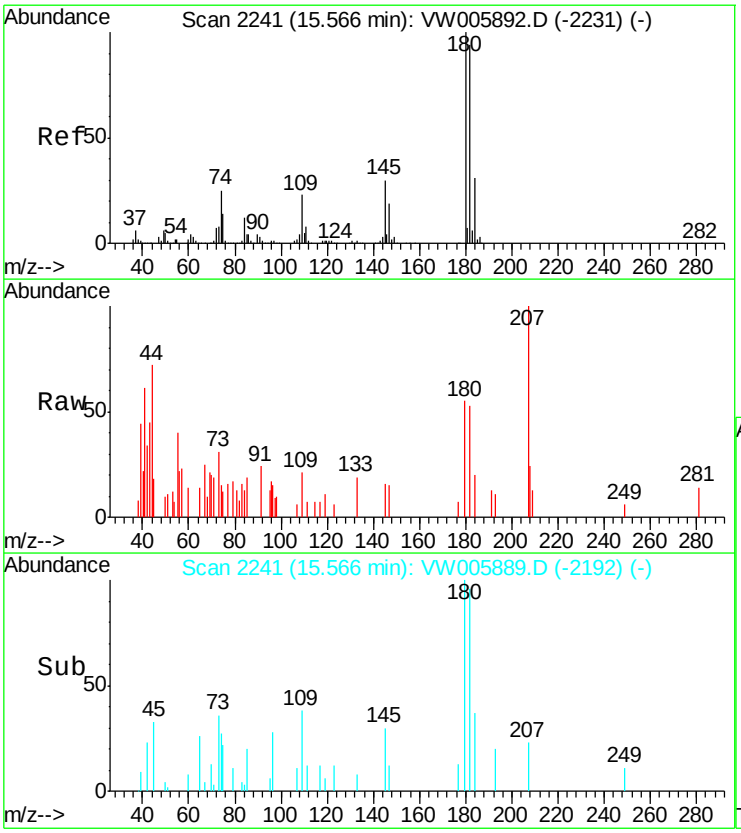

#95
Naphthalene
Concen: 10.48 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

**Instrument :**
MSVOA_W
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 1678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.6 | 10.5 | 15.7 |
| 129 | 15.1 | 8.9 | 13.3# |




#96
1,2,3-Trichlorobenzene
Concen: 9.61 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005889.D
Acq: 08 Oct 2018 11:49

Tgt Ion:180 Resp: 773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.7 | 47.6 | 142.8 |
| 145 | 41.7 | 15.3 | 45.9 |