Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
Data File : VW010412.D
Acq On : 16 May 2019 20:02
Operator : SY/VA
Sample : VSTDICC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 17 08:44:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 08:39:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.95 | 168 | 1036534 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.84 | 114 | 1786437 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.63 | 117 | 1651062 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152 | 803975 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.30 | 65 | 572736 | 51.73 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.46% | | | |
| 35) Dibromofluoromethane | 7.88 | 113 | 565692 | 53.62 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.24% | | | |
| 50) Toluene-d8 | 10.32 | 98 | 2174136 | 51.31 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.62% | | | |
| 62) 4-Bromofluorobenzene | 12.62 | 95 | 849097 | 55.79 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 111.58% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.01 | 85 | 289960 | 35.906 | ug/l | 100 |
| 3) Chloromethane | 2.21 | 50 | 391436 | 38.120 | ug/l | 100 |
| 4) Vinyl Chloride | 2.37 | 62 | 538812 | 41.840 | ug/l | 100 |
| 5) Bromomethane | 2.77 | 94 | 355100 | 46.804 | ug/l | 100 |
| 6) Chloroethane | 2.92 | 64 | 324016 | 43.456 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.24 | 101 | 309406 | 47.166 | ug/l | 100 |
| 8) Diethyl Ether | 3.67 | 74 | 267206 | 46.427 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluoroet | 4.05 | 101 | 465922 | 43.752 | ug/l | 100 |
| 10) Methyl Iodide | 4.27 | 142 | 760628 | 49.423 | ug/l | 100 |
| 11) Tert butyl alcohol | 5.18 | 59 | 228074 | 284.048 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 4.03 | 96 | 490982 | 44.121 | ug/l | 100 |
| 13) Acrolein | 3.89 | 56 | 118826 | 127.592 | ug/l | 100 |
| 14) Allyl chloride | 4.65 | 41 | 627027 | 38.737 | ug/l | 100 |
| 15) Acrylonitrile | 5.36 | 53 | 625913 | 201.831 | ug/l | 100 |
| 16) Acetone | 4.12 | 43 | 524998 | 193.839 | ug/l | 100 |
| 17) Carbon Disulfide | 4.38 | 76 | 1327515 | 40.143 | ug/l | 100 |
| 18) Methyl Acetate | 4.67 | 43 | 296418 | 42.660 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.42 | 73 | 722947 | 53.223 | ug/l | 100 |
| 20) Methylene Chloride | 4.91 | 84 | 514785 | 43.298 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 5.41 | 96 | 560008 | 46.520 | ug/l | 100 |
| 22) Diisopropyl ether | 6.31 | 45 | 1554943 | 48.000 | ug/l | 100 |
| 23) Vinyl Acetate | 6.25 | 43 | 5537817 | 248.779 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 6.21 | 63 | 957795 | 44.220 | ug/l | 100 |
| 25) 2-Butanone | 7.17 | 43 | 971862 | 226.758 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 7.16 | 77 | 479549 | 44.521 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.16 | 96 | 648098 | 51.417 | ug/l | 100 |
| 28) Bromochloromethane | 7.51 | 49 | 433267 | 52.343 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.52 | 42 | 644158 | 231.247 | ug/l | 100 |
| 30) Chloroform | 7.67 | 83 | 1002939 | 48.658 | ug/l | 100 |
| 31) Cyclohexane | 7.95 | 56 | 856017 | 39.151 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 7.87 | 97 | 771836 | 48.346 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 8.07 | 75 | 767643 | 40.999 | ug/l | 100 |
| 37) Ethyl Acetate | 7.25 | 43 | 425166 | 42.616 | ug/l | 100 |
| 38) Carbon Tetrachloride | 8.06 | 117 | 790241 | 47.855 | ug/l | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
Data File : VW010412.D
Acq On : 16 May 2019 20:02
Operator : SY/VA
Sample : VSTDICC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 17 08:44:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 08:39:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 9.33 | 83 | 1007630 | 43.775 | ug/l | | 100 |
| 40) Benzene | 8.32 | 78 | 2245660 | 43.319 | ug/l | | 100 |
| 41) Methacrylonitrile | 7.48 | 41 | 250866 | 44.745 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 8.40 | 62 | 670279 | 44.897 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.42 | 43 | 853164 | 50.065 | ug/l | | 100 |
| 44) Trichloroethene | 9.09 | 130 | 644008 | 48.632 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 9.37 | 63 | 568052 | 44.003 | ug/l | | 100 |
| 46) Dibromomethane | 9.46 | 93 | 331481 | 48.740 | ug/l | | 100 |
| 47) Bromodichloromethane | 9.64 | 83 | 820060 | 50.039 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.43 | 41 | 380335 | 47.918 | ug/l | | 100 |
| 49) 1,4-Dioxane | 9.45 | 88 | 120113 | 1018.244 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 10.21 | 43 | 2198875 | 230.141 | ug/l | | 100 |
| 52) Toluene | 10.38 | 92 | 1510884 | 47.156 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.60 | 75 | 865092 | 52.114 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 10.07 | 75 | 969416 | 49.650 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 10.79 | 97 | 483703 | 49.826 | ug/l | | 100 |
| 56) Ethyl methacrylate | 10.65 | 69 | 700202 | 54.424 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 10.93 | 76 | 810893 | 47.401 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.92 | 63 | 1610697 | 261.130 | ug/l | | 100 |
| 59) 2-Hexanone | 10.97 | 43 | 1574689 | 233.429 | ug/l | | 100 |
| 60) Dibromochloromethane | 11.13 | 129 | 603920 | 56.478 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.23 | 107 | 488269 | 52.100 | ug/l | | 100 |
| 64) Tetrachloroethene | 10.86 | 164 | 540026 | 47.154 | ug/l | | 100 |
| 65) Chlorobenzene | 11.66 | 112 | 1659341 | 48.640 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.73 | 131 | 608381 | 52.094 | ug/l | | 100 |
| 67) Ethyl Benzene | 11.73 | 91 | 2909897 | 47.039 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.84 | 106 | 2293961 | 98.926 | ug/l | | 100 |
| 69) o-Xylene | 12.16 | 106 | 1106240 | 52.231 | ug/l | | 100 |
| 70) Styrene | 12.18 | 104 | 1940325 | 52.655 | ug/l | | 100 |
| 71) Bromoform | 12.35 | 173 | 373464 | 55.275 | ug/l | | 100 |
| 73) Isopropylbenzene | 12.46 | 105 | 2936942 | 50.398 | ug/l | | 100 |
| 74) N-amyl acetate | 12.27 | 43 | 863443 | 56.093 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 12.71 | 83 | 600067 | 46.907 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.77 | 75 | 772288 | 83.944 | ug/l | # | 100 |
| 77) Bromobenzene | 12.75 | 156 | 691712 | 51.787 | ug/l | | 100 |
| 78) n-propylbenzene | 12.80 | 91 | 3426445 | 48.056 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.90 | 91 | 2010490 | 48.991 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 12.94 | 105 | 2515376 | 51.049 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.51 | 75 | 214881 | 51.607 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 12.99 | 91 | 2098069 | 48.841 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.21 | 119 | 2138518 | 51.841 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.26 | 105 | 2520399 | 51.371 | ug/l | | 100 |
| 85) sec-Butylbenzene | 13.38 | 105 | 3011616 | 49.899 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.50 | 119 | 2742308 | 51.067 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.50 | 146 | 1315075 | 49.754 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.58 | 146 | 1327256 | 50.360 | ug/l | | 100 |
| 89) n-Butylbenzene | 13.83 | 91 | 2619290 | 49.002 | ug/l | | 100 |
| 90) Hexachloroethane | 14.10 | 117 | 551651 | 54.136 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 13.87 | 146 | 1214542 | 51.496 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75 | 115066 | 49.417 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
Data File : VW010412.D
Acq On : 16 May 2019 20:02
Operator : SY/VA
Sample : VSTDICC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 17 08:44:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 08:39:36 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180 | 844753 | 52.711 | ug/l | 100 |
| 94) Hexachlorobutadiene | 15.24 | 225 | 433178 | 43.538 | ug/l | 100 |
| 95) Naphthalene | 15.37 | 128 | 1959888 | 58.742 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.56 | 180 | 766831 | 52.812 | ug/l | 100 |

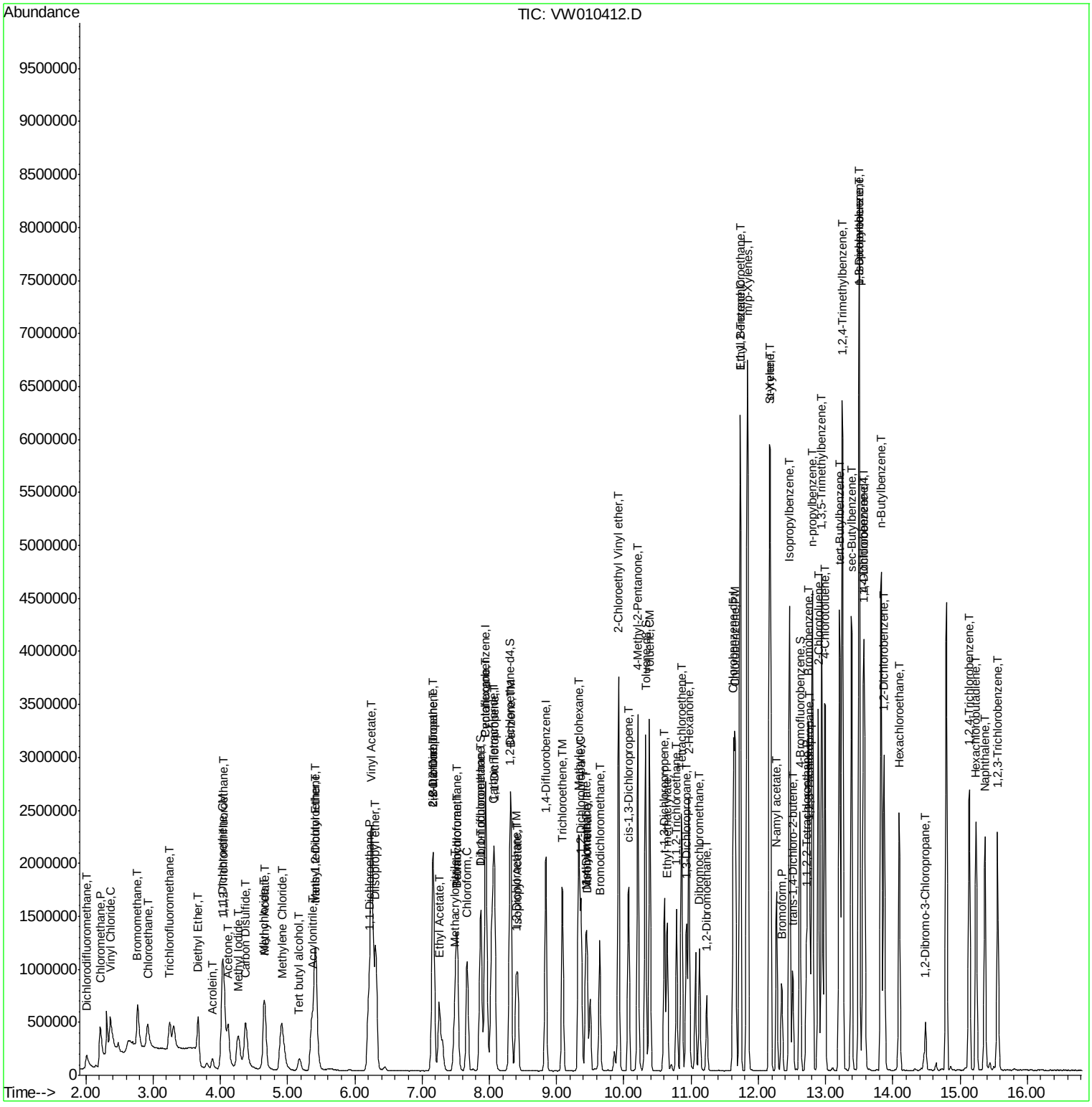
(#) = qualifier out of range (m) = manual integration (+) = signals summed

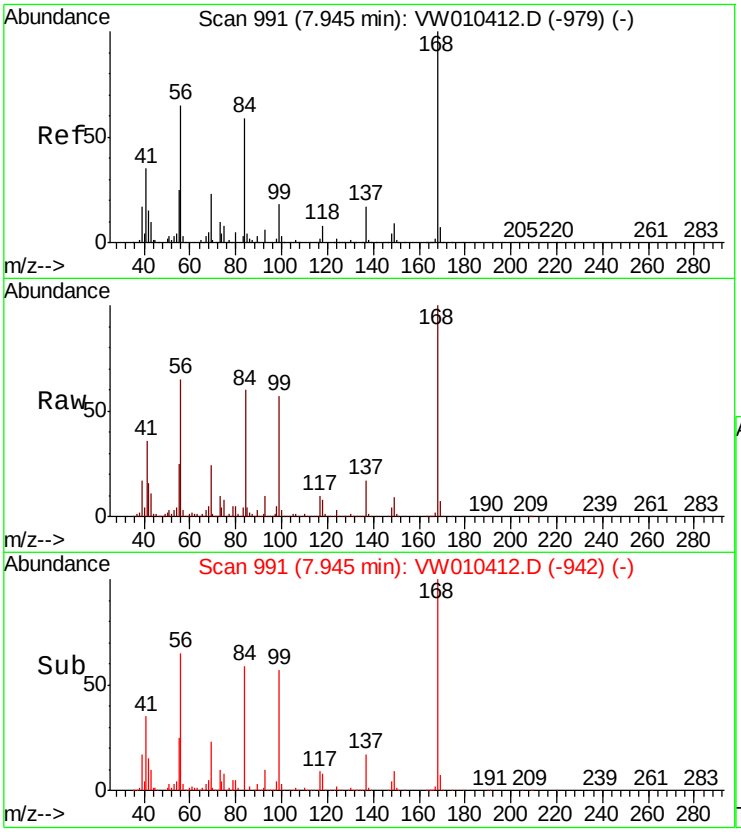
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
Data File : VW010412.D
Acq On : 16 May 2019 20:02
Operator : SY/VA
Sample : VSTDICC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 17 08:44:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 08:39:36 2019
Response via : Initial Calibration



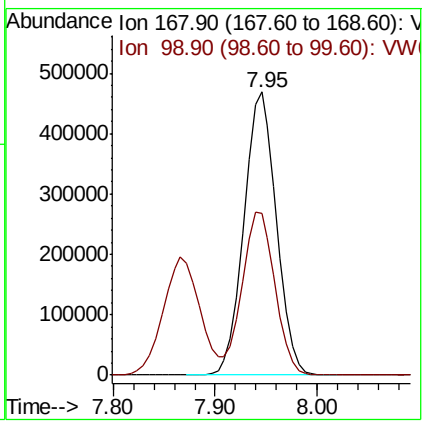


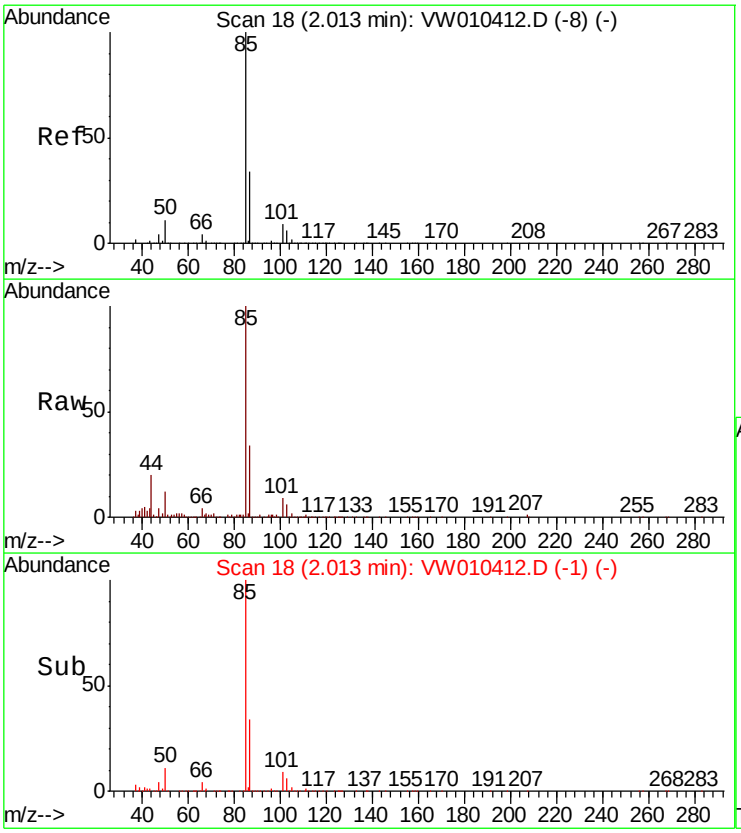

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:168 Resp: 1036534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.0 | 45.6 | 68.4 |

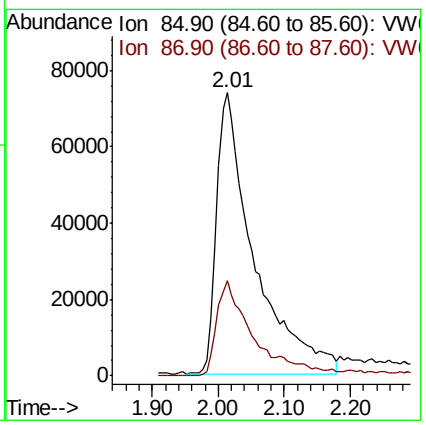


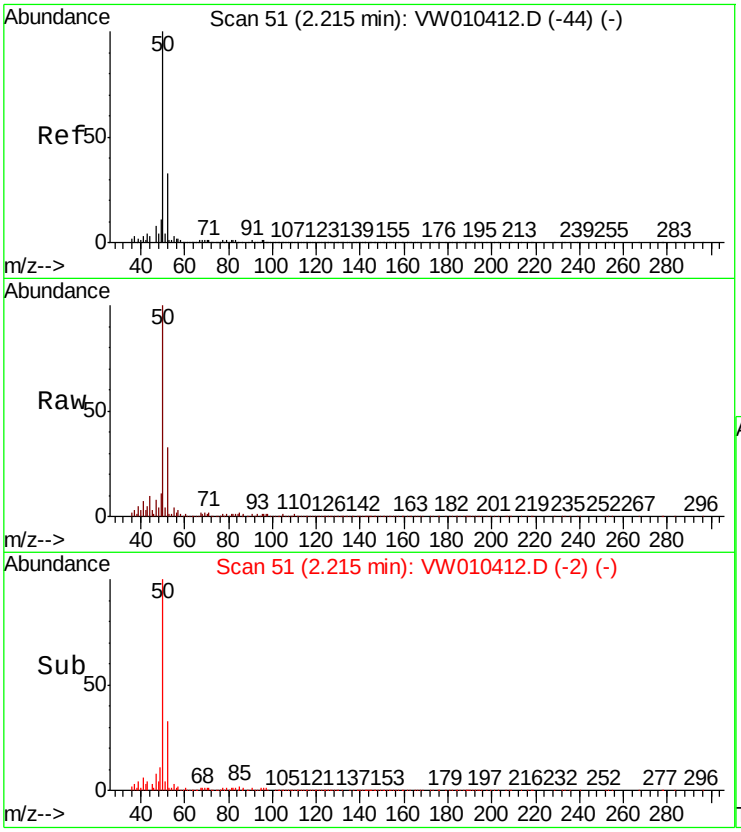




#2
Dichlorodifluoromethane
Concen: 35.906 ug/l
RT: 2.01 min Scan# 18
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 85 Resp: 289960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.8 | 16.9 | 50.7 |



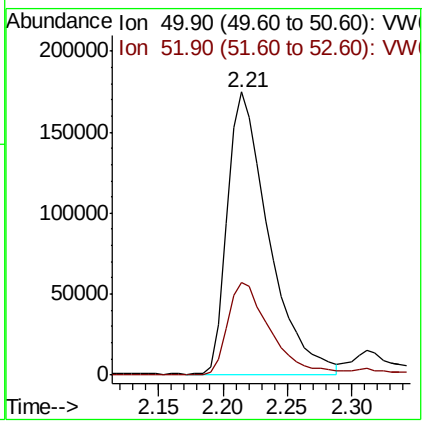


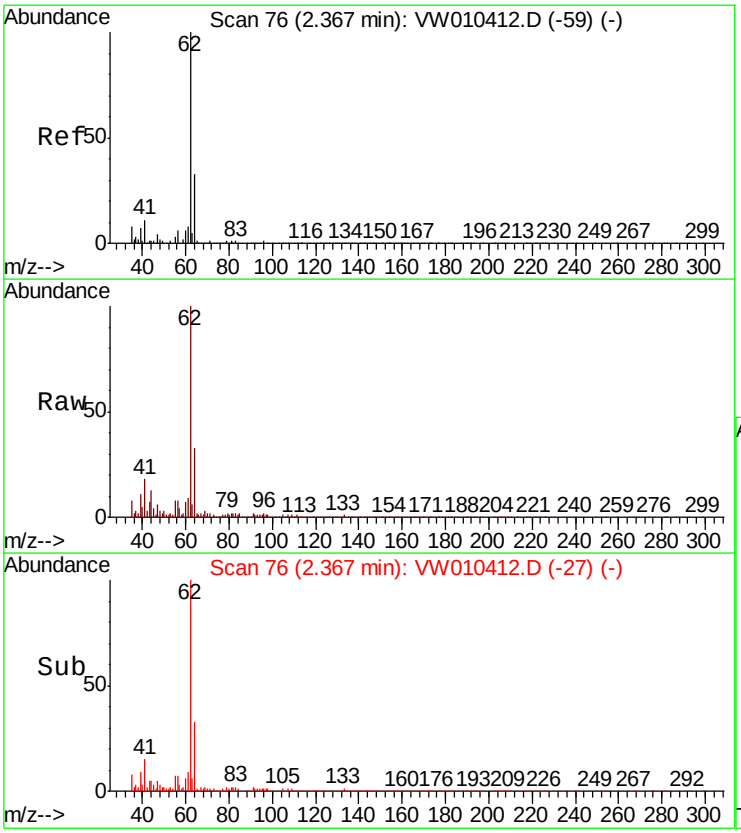

#3
Chloromethane
Concen: 38.120 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 50 Resp: 391436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 26.2 | 39.2 |

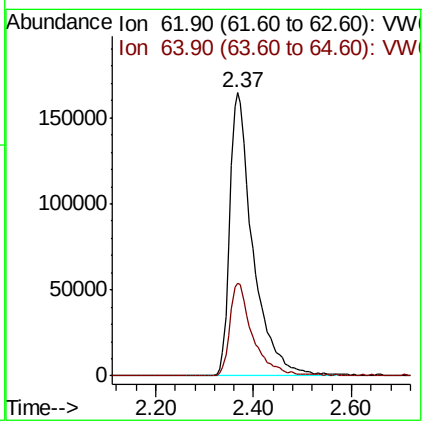


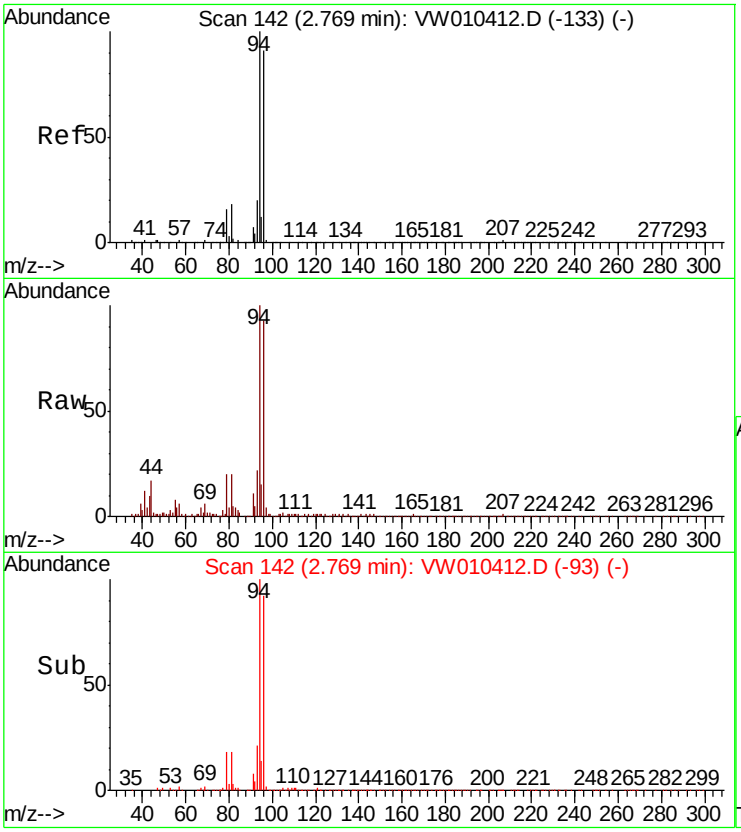




#4
Vinyl Chloride
Concen: 41.840 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 62 Resp: 538812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 26.2 | 39.2 |



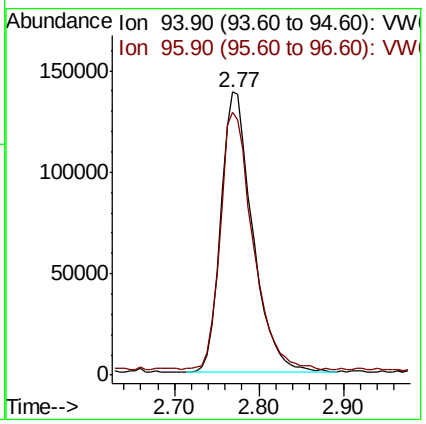


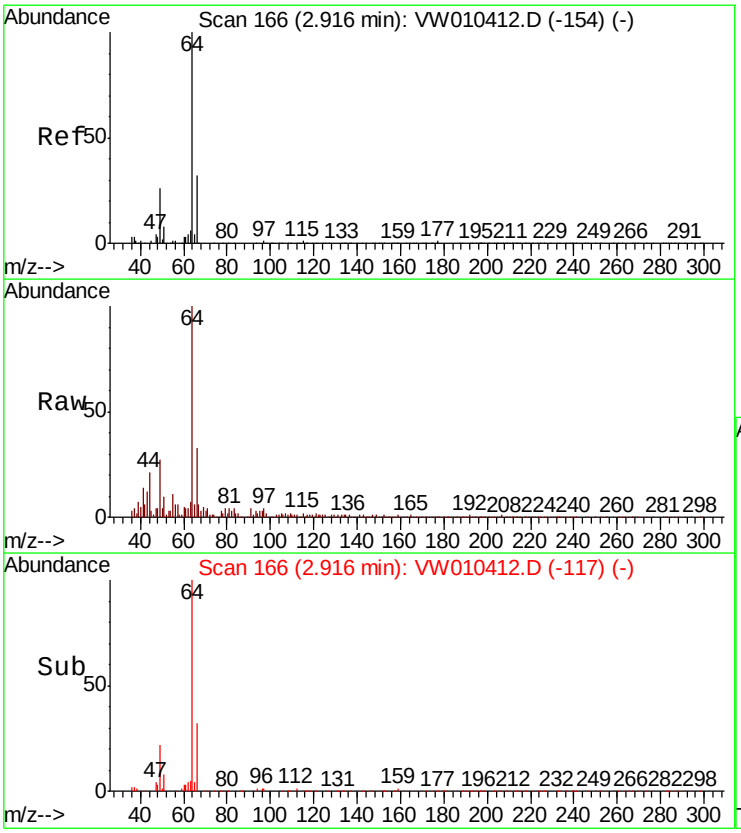

#5
Bromomethane
Concen: 46.804 ug/l
RT: 2.77 min Scan# 142
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 94 Resp: 355100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.8 | 73.4 | 110.2 |

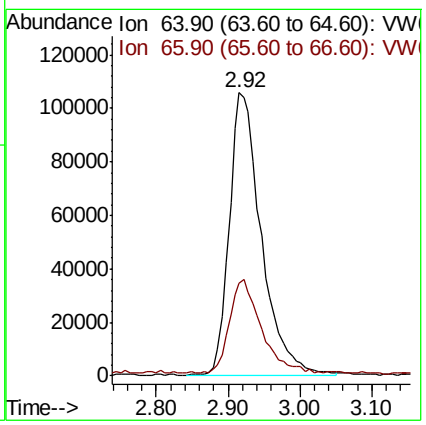


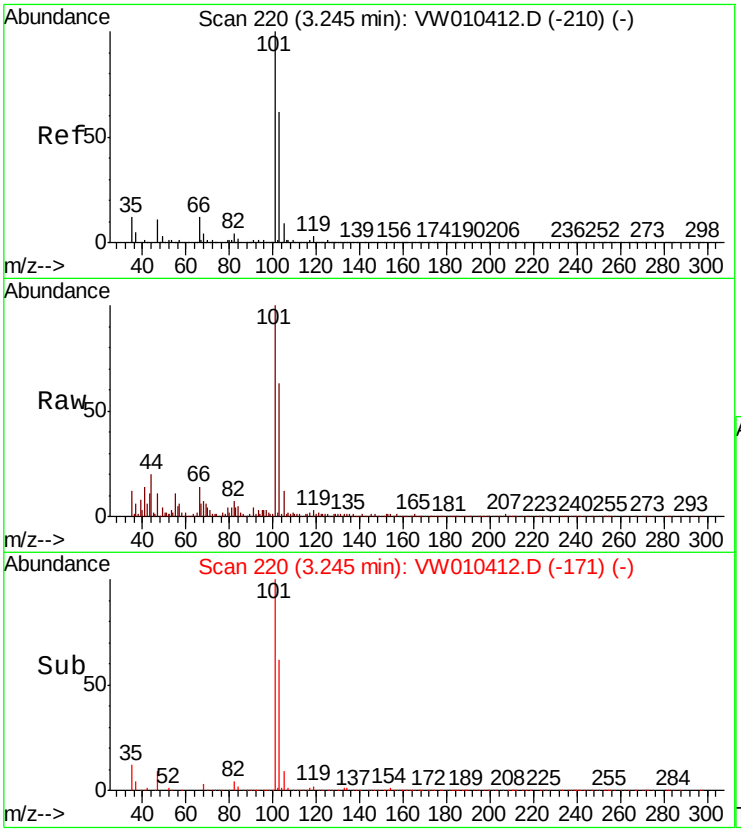




#6
Chloroethane
Concen: 43.456 ug/l
RT: 2.92 min Scan# 166
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 64 Resp: 324016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 25.4 | 38.0 |



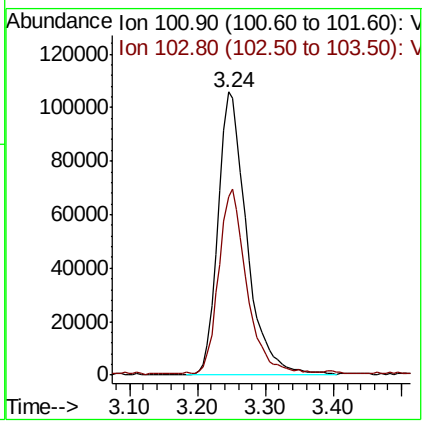


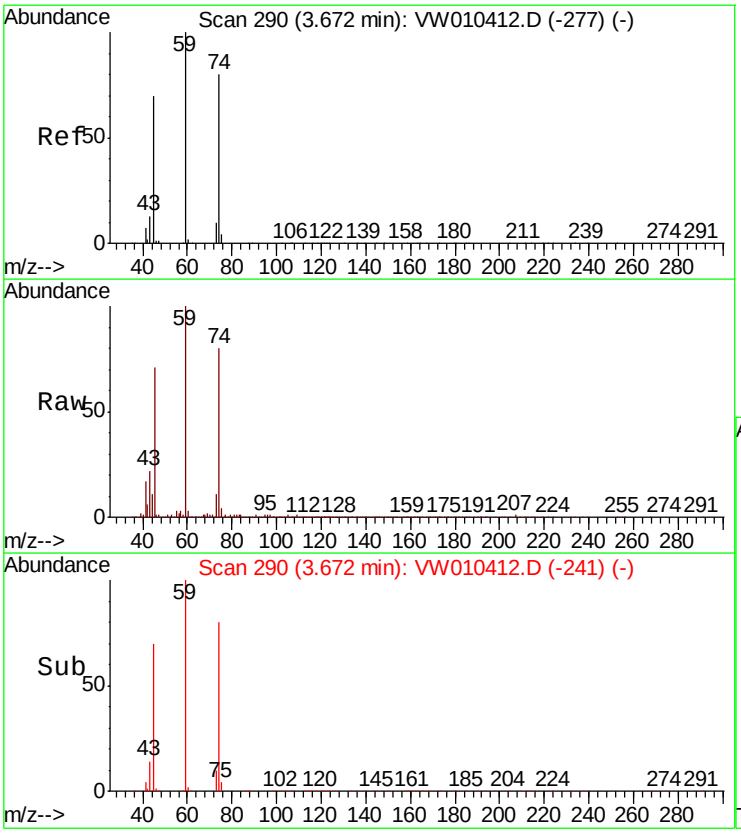

#7
Trichlorofluoromethane
Concen: 47.166 ug/l
RT: 3.24 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:101 Resp: 309406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.4 | 49.9 | 74.9 |

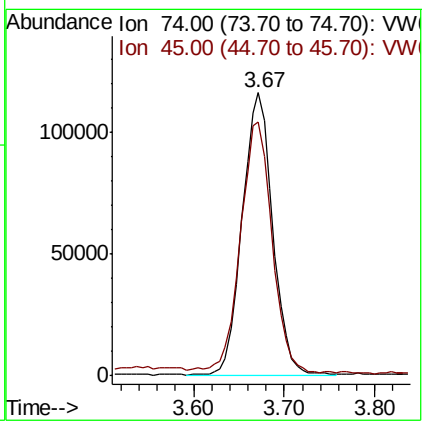


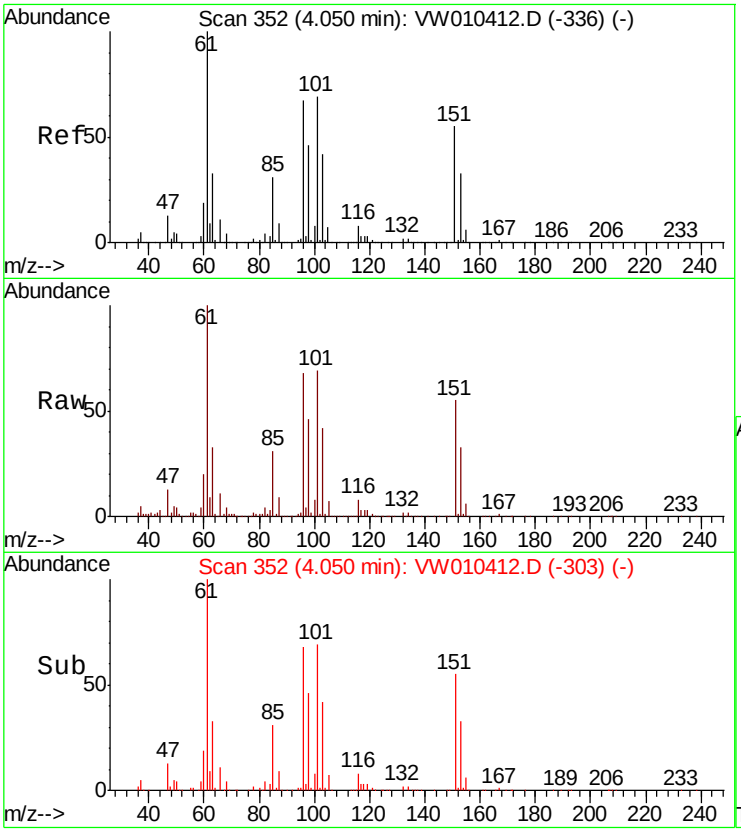




#8
Diethyl Ether
Concen: 46.427 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 74 Resp: 267206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 92.0 | 46.0 | 138.0 |



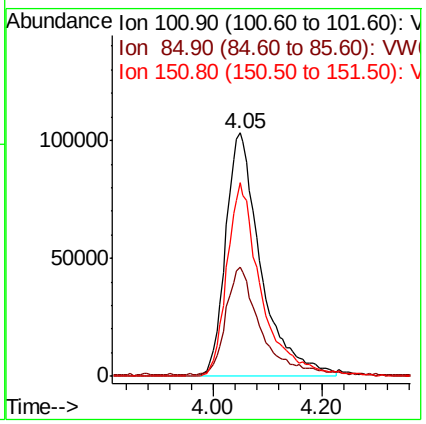


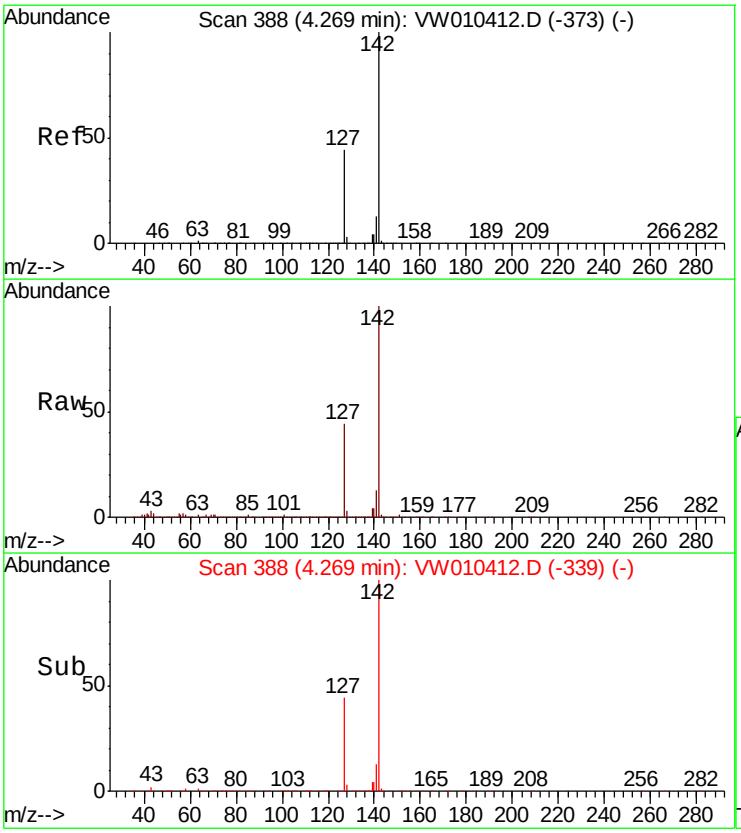

#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.752 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:101 Resp: 465922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.0 | 52.4 |
| 151 | 77.2 | 61.8 | 92.6 |

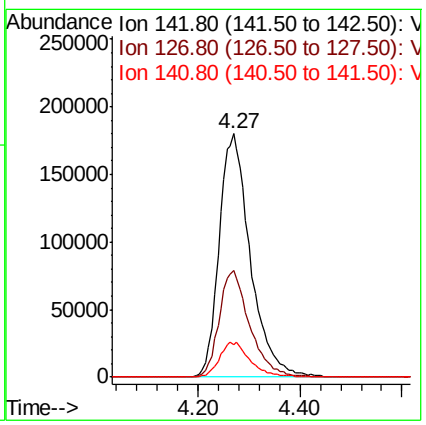


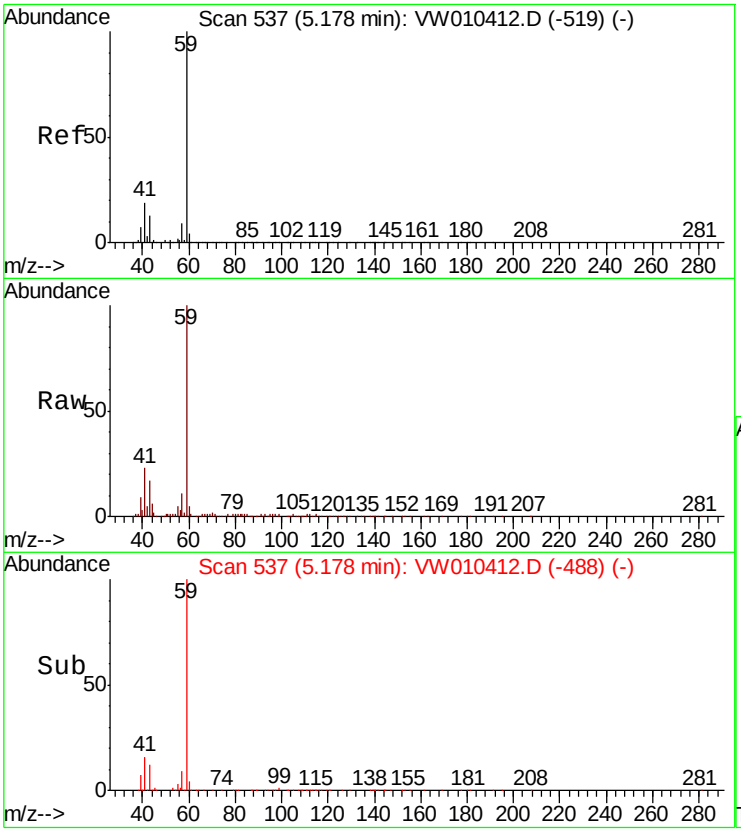




#10
Methyl Iodide
Concen: 49.423 ug/l
RT: 4.27 min Scan# 388
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:142 Resp: 760628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 43.1 | 34.5 | 51.7 |
| 141 | 14.2 | 11.4 | 17.0 |



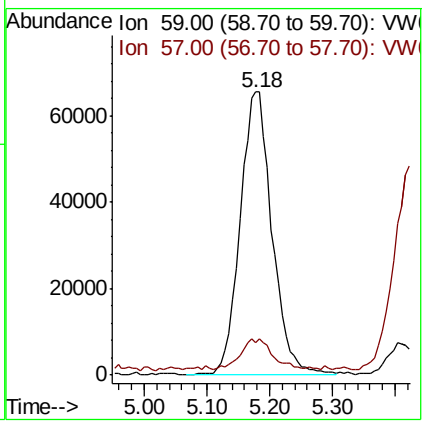


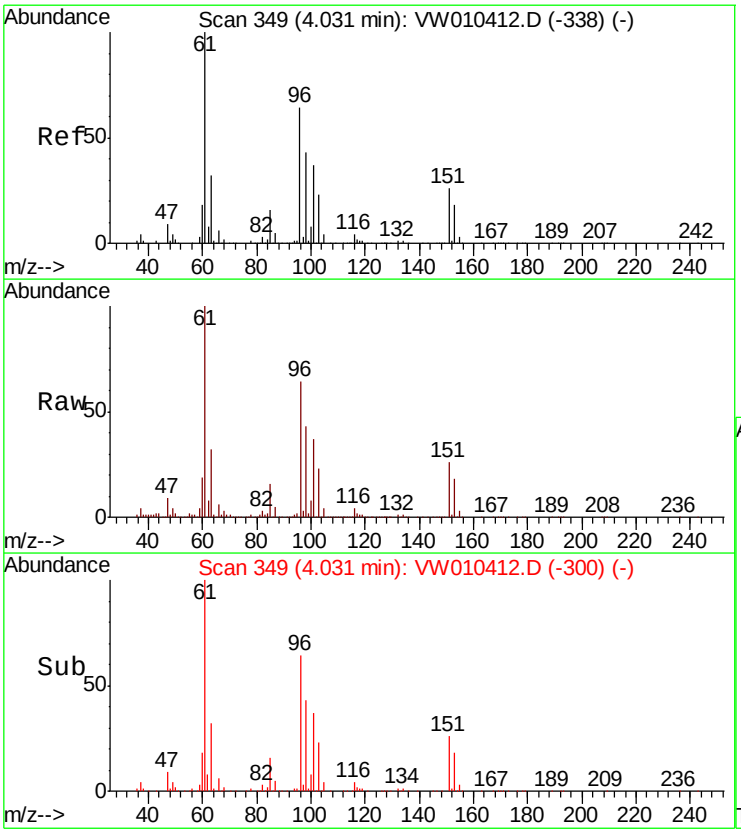

#11
Tert butyl alcohol
Concen: 284.048 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 59 Resp: 228074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.9 | 8.7 | 13.1 |

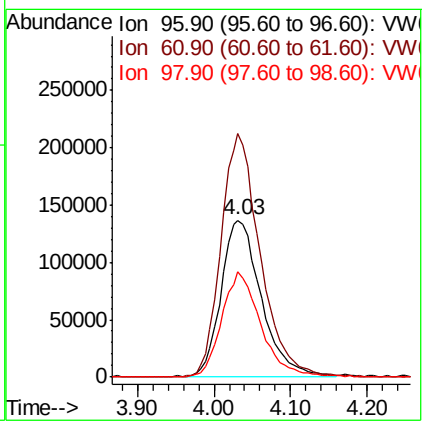


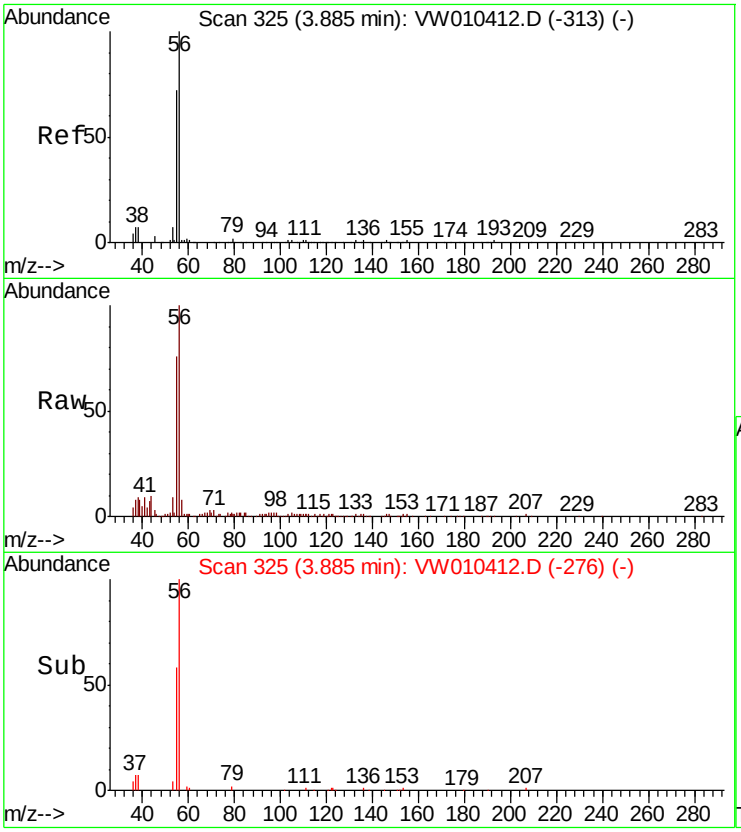




#12
1,1-Dichloroethene
Concen: 44.121 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 96 Resp: 490982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.1 | 124.1 | 186.1 |
| 98 | 66.7 | 53.4 | 80.0 |



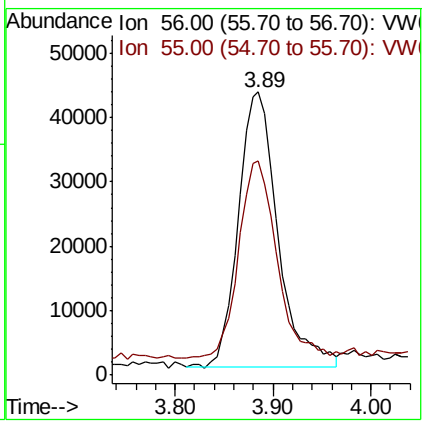


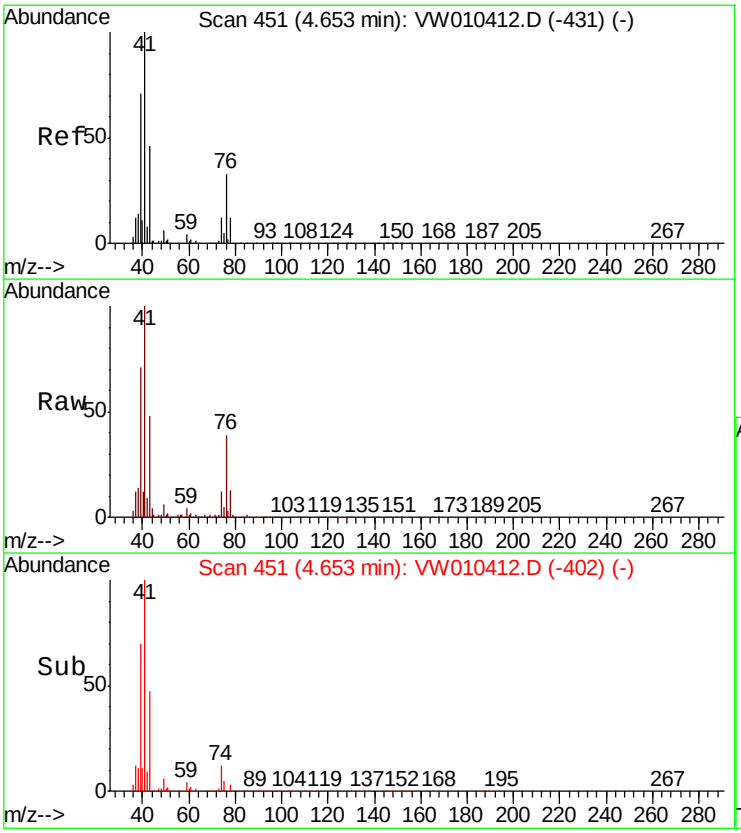

#13
Acrolein
Concen: 127.592 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 56 Resp: 118826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 56.1 | 84.1 |

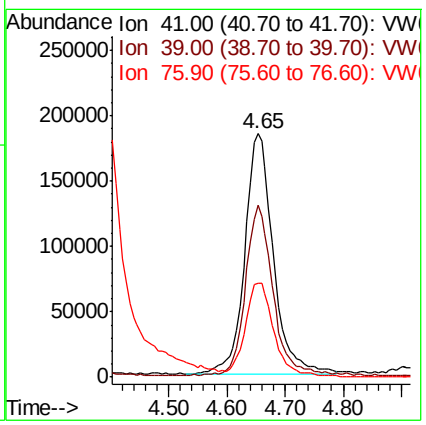


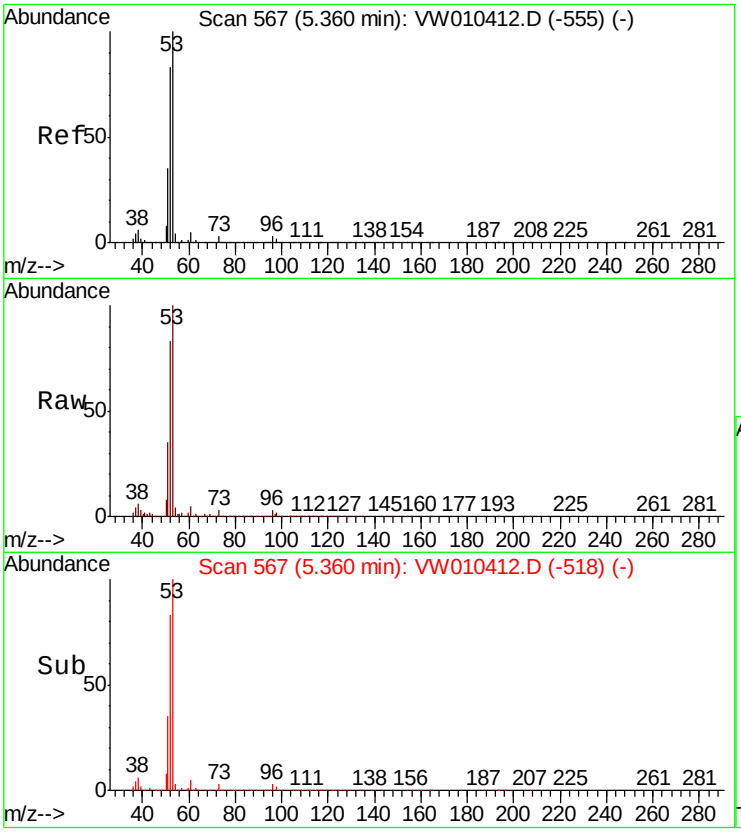




#14
Allyl chloride
Concen: 38.737 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 41 Resp: 627027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.9 | 54.3 | 81.5 |
| 76 | 38.4 | 30.7 | 46.1 |



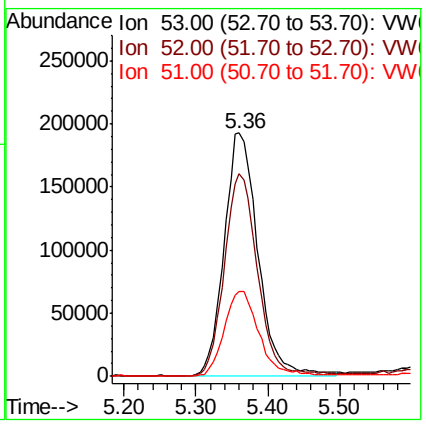


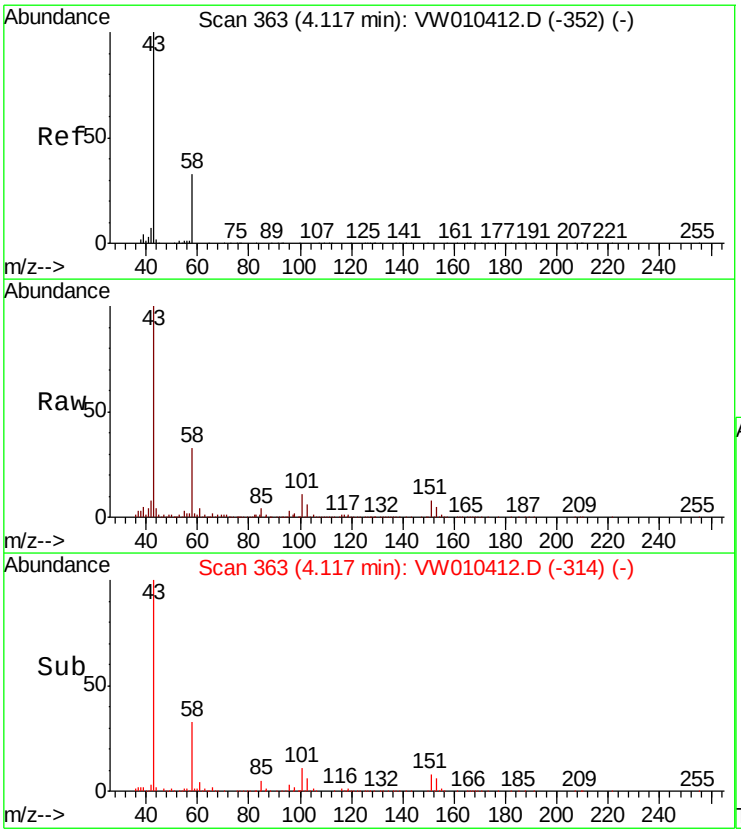

#15
Acrylonitrile
Concen: 201.831 ug/l
RT: 5.36 min Scan# 567
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 53 Resp: 625913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.7 | 66.2 | 99.2 |
| 51 | 36.1 | 28.9 | 43.3 |

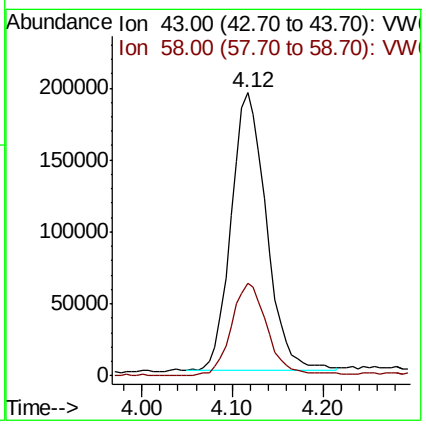


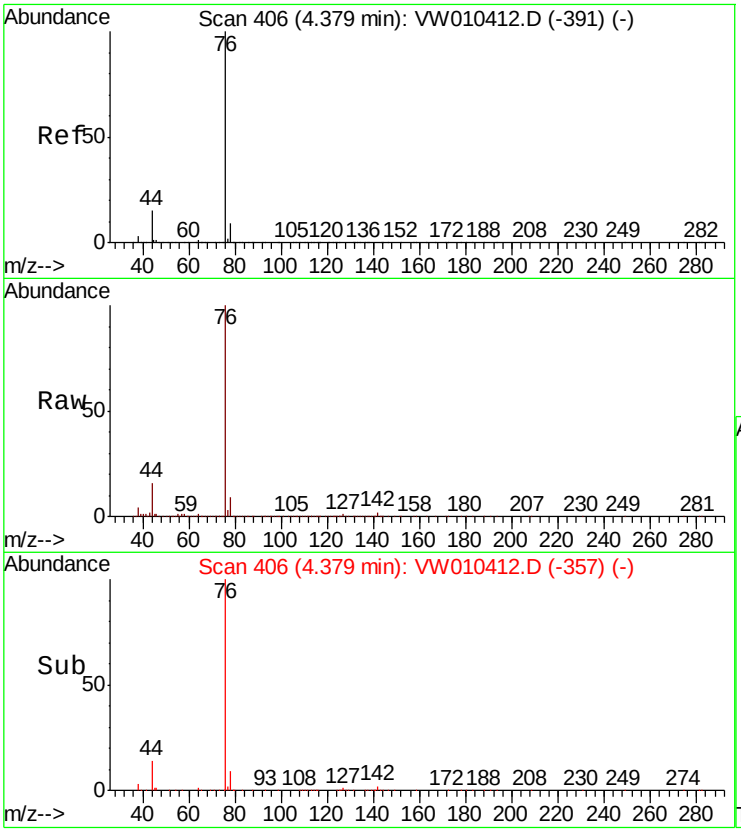




#16
Acetone
Concen: 193.839 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 43 Resp: 524998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.1 | 26.5 | 39.7 |



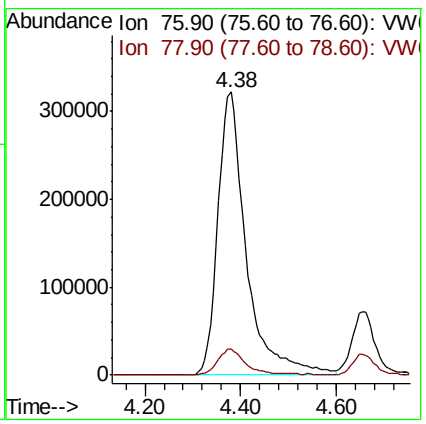


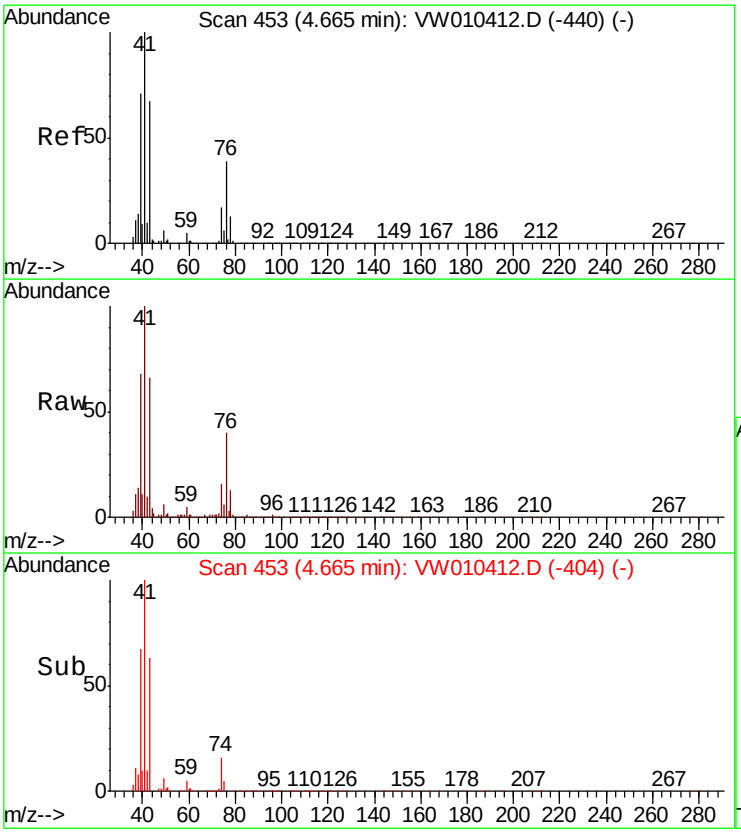

#17
Carbon Disulfide
Concen: 40.143 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 76 Resp: 1327515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |

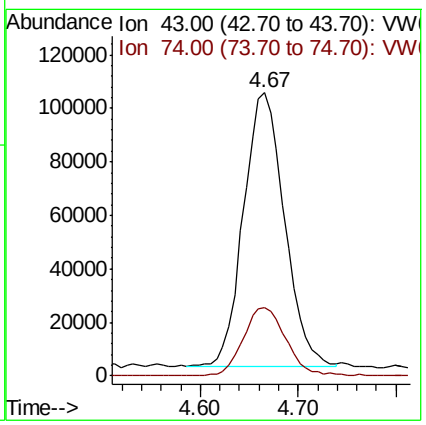


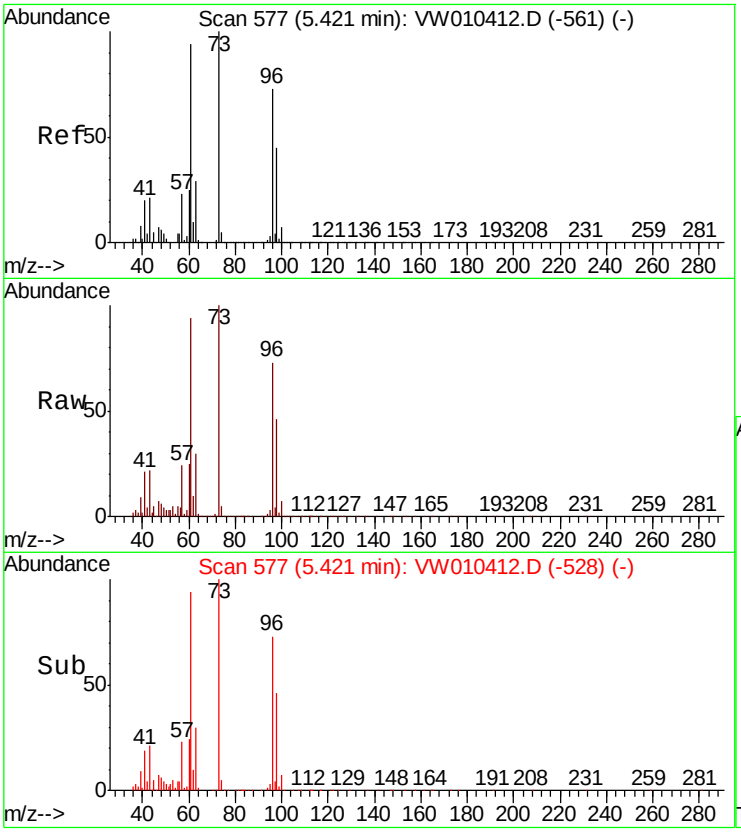




#18
Methyl Acetate
Concen: 42.660 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 43 Resp: 296418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.9 | 20.7 | 31.1 |



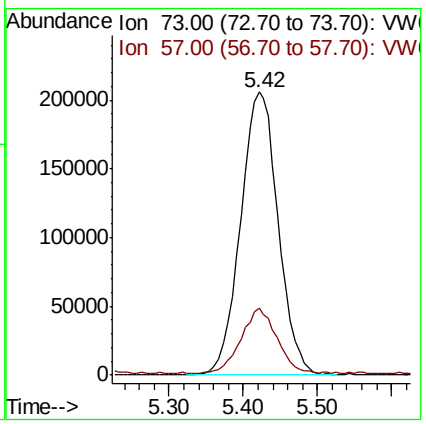


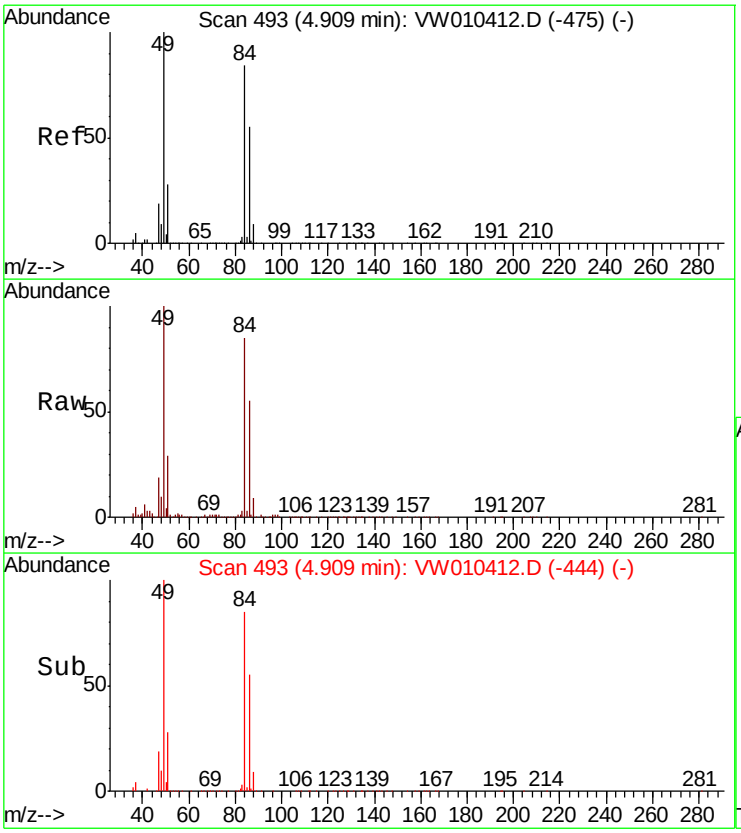

#19
Methyl tert-butyl Ether
Concen: 53.223 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 73 Resp: 722947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.8 | 18.2 | 27.4 |

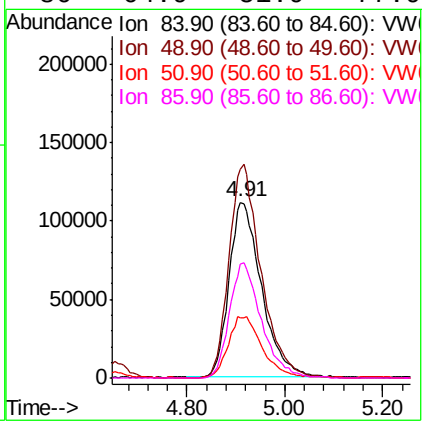


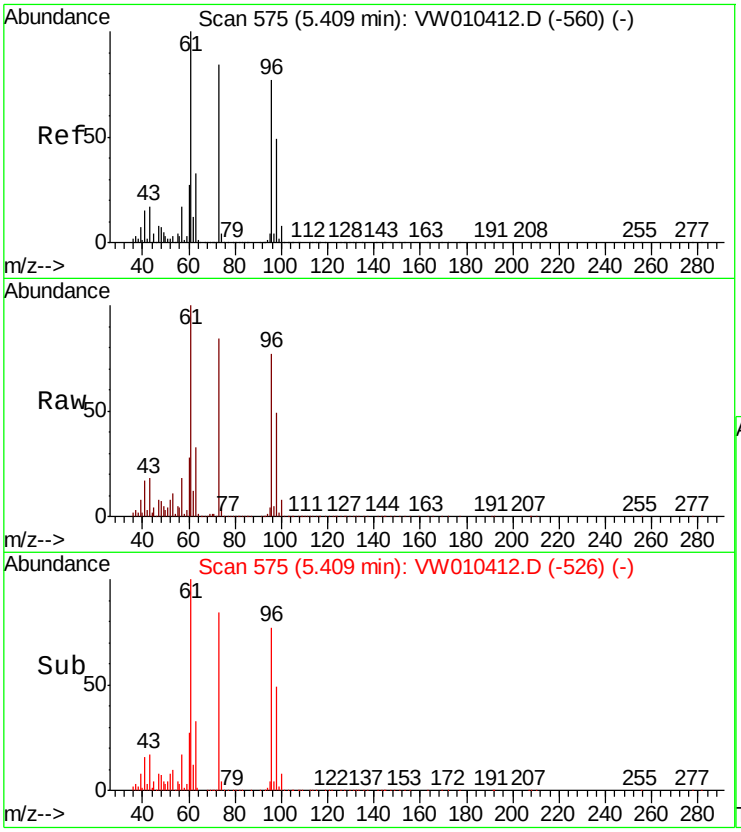




#20
Methylene Chloride
Concen: 43.298 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 84 Resp: 514785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 118.7 | 95.0 | 142.4 |
| 51 | 33.7 | 27.0 | 40.4 |
| 86 | 64.9 | 51.9 | 77.9 |



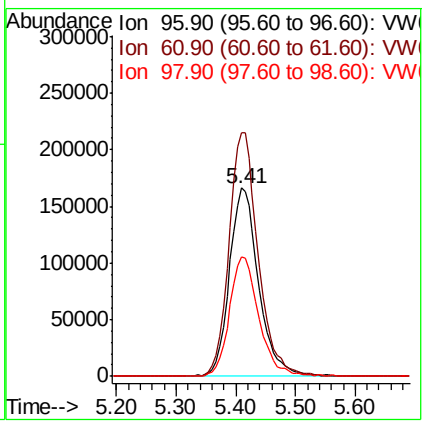


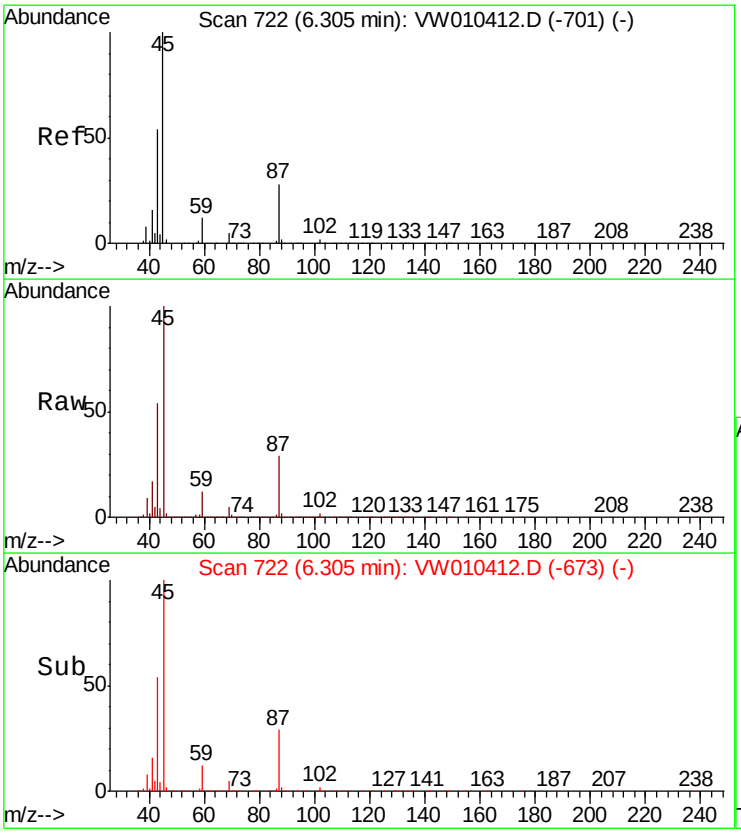

#21
trans-1,2-Dichloroethene
Concen: 46.520 ug/l
RT: 5.41 min Scan# 575
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 96 Resp: 560008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.5 | 103.6 | 155.4 |
| 98 | 63.0 | 50.4 | 75.6 |

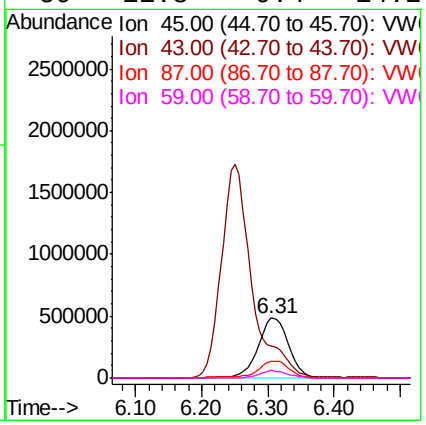


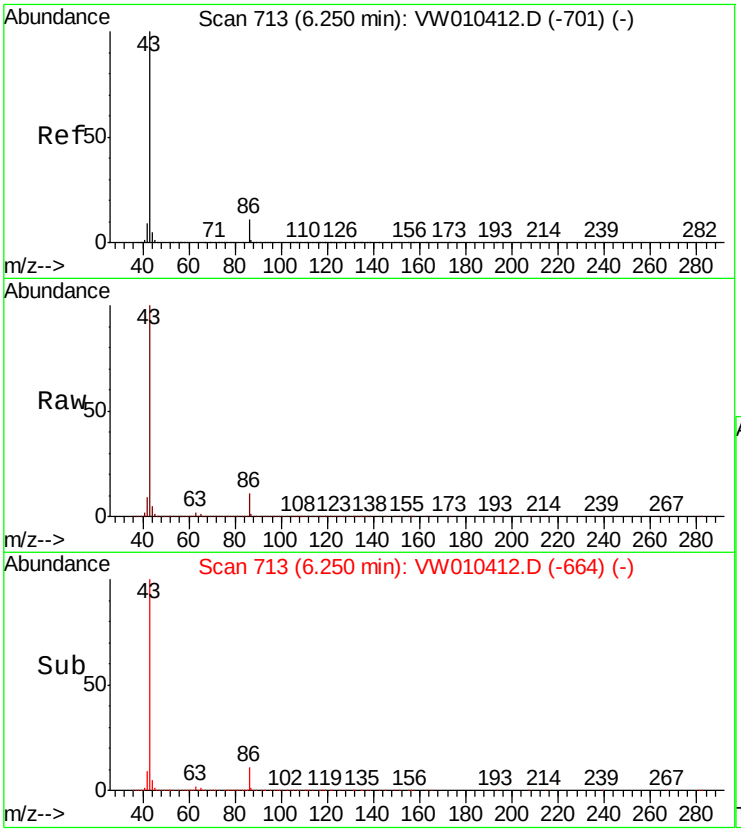




#22
Diisopropyl ether
Concen: 48.000 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 45 Resp: 1554943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 53.9 | 43.1 | 64.7 |
| 87 | 28.4 | 22.7 | 34.1 |
| 59 | 11.8 | 9.4 | 14.2 |



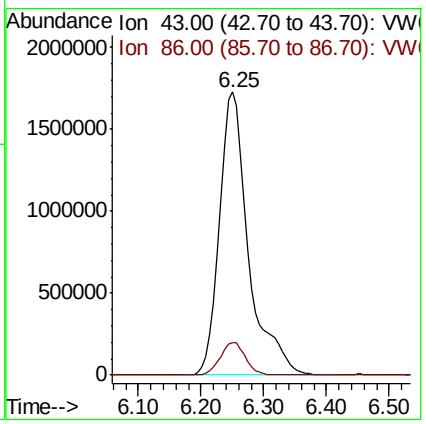


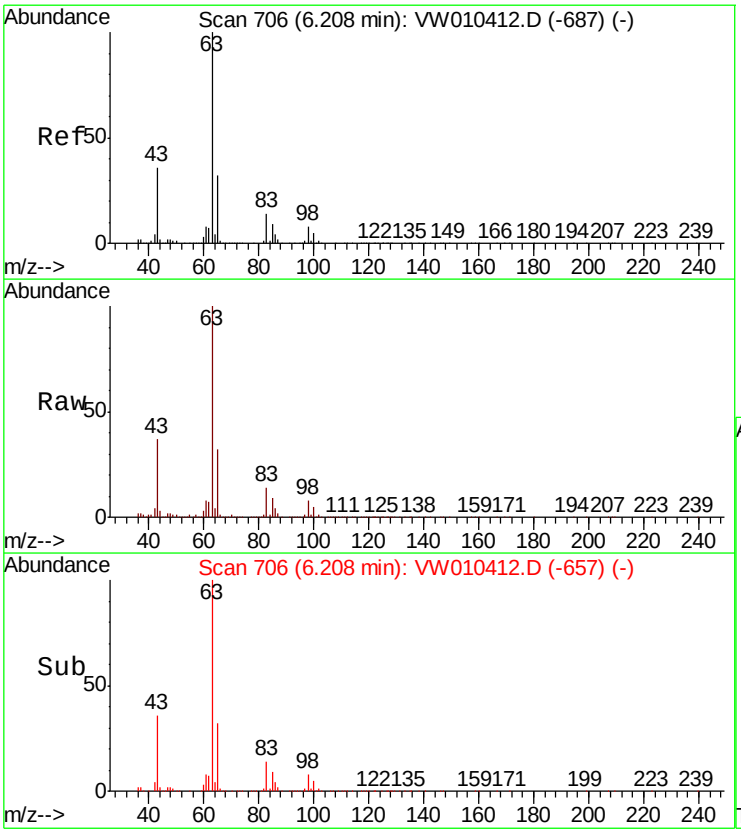

#23
Vinyl Acetate
Concen: 248.779 ug/l
RT: 6.25 min Scan# 713
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 43 Resp: 5537817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.4 | 9.1 | 13.7 |

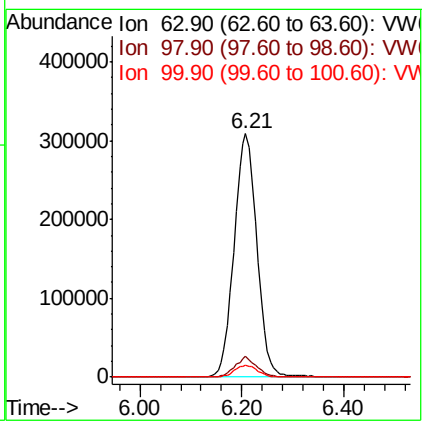


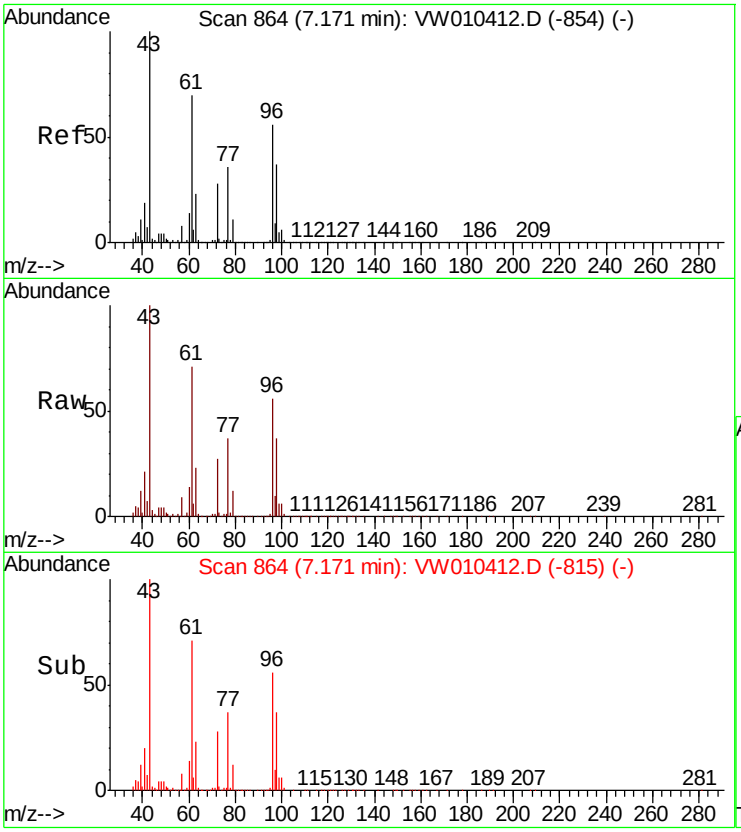




#24
1,1-Dichloroethane
Concen: 44.220 ug/l
RT: 6.21 min Scan# 706
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 63 Resp: 957795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.2 | 4.1 | 12.3 |
| 100 | 4.8 | 2.4 | 7.2 |



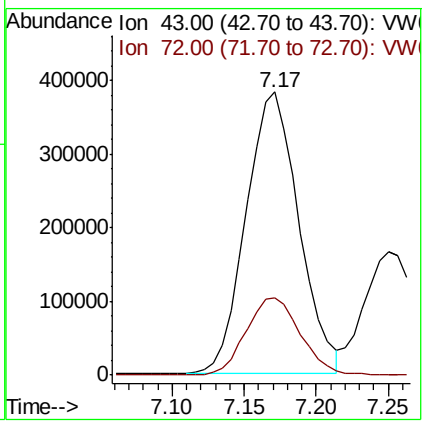


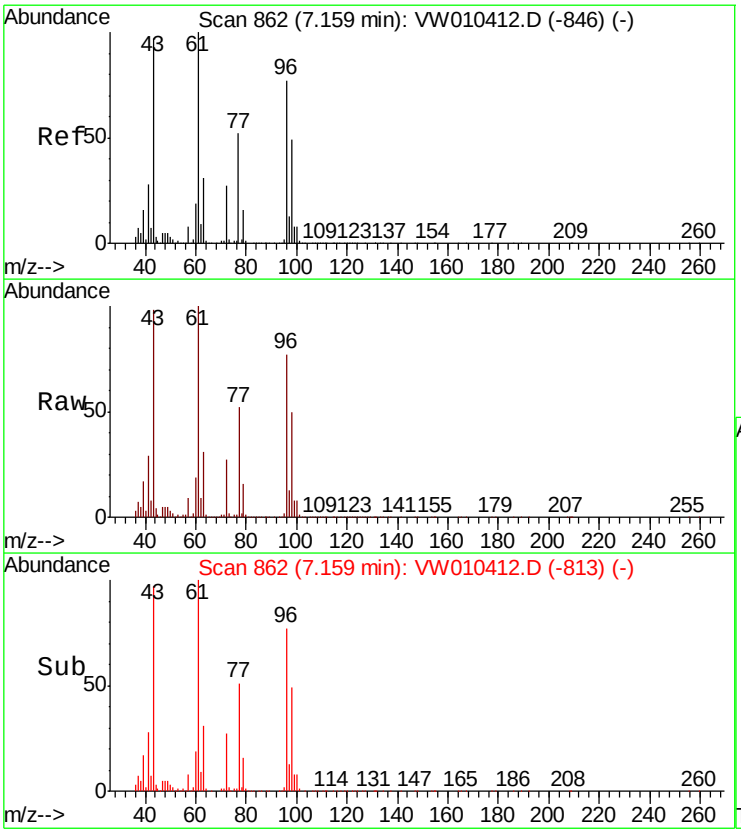

#25
2-Butanone
Concen: 226.758 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 43 Resp: 971862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 22.1 | 33.1 |

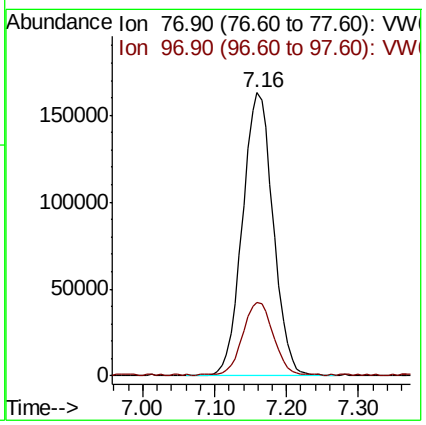


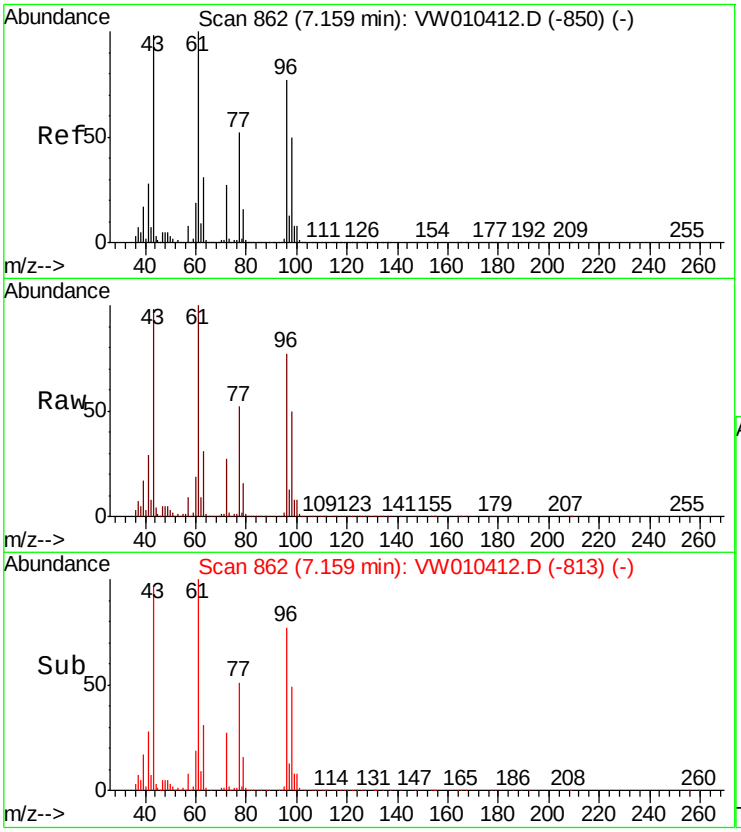




#26
2,2-Dichloropropane
Concen: 44.521 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 77 Resp: 479549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.3 | 12.7 | 38.0 |



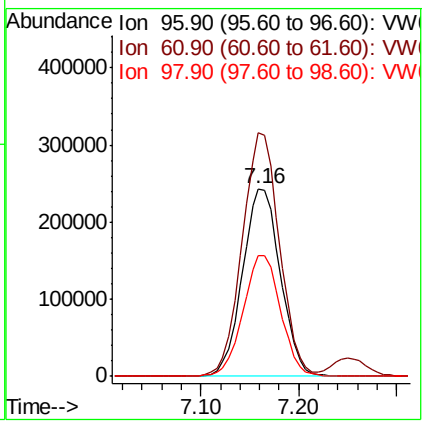


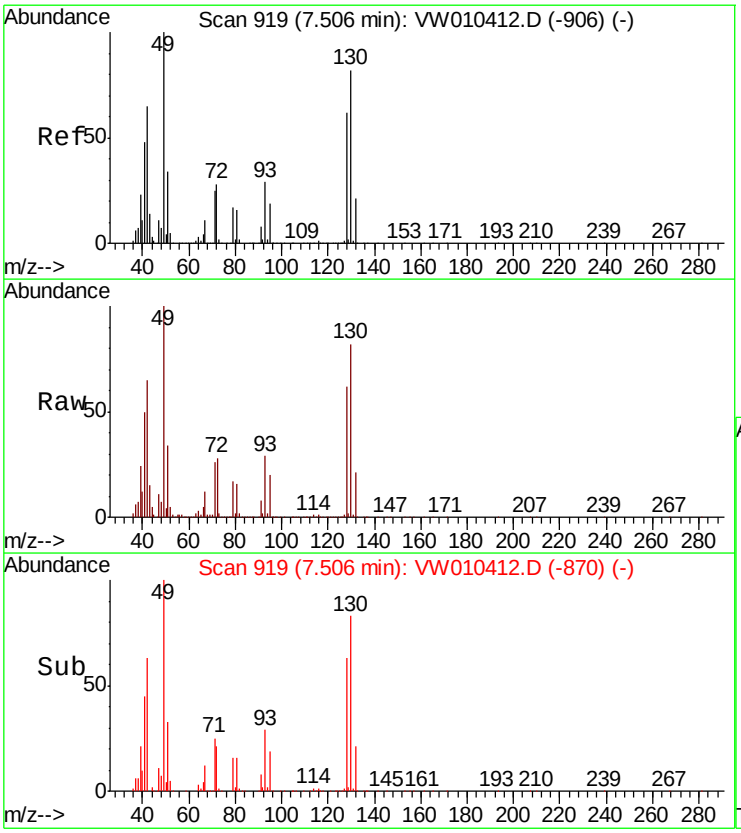

#27
cis-1,2-Dichloroethene
Concen: 51.417 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 96 Resp: 648098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.9 | 0.0 | 257.8 |
| 98 | 64.2 | 0.0 | 128.4 |

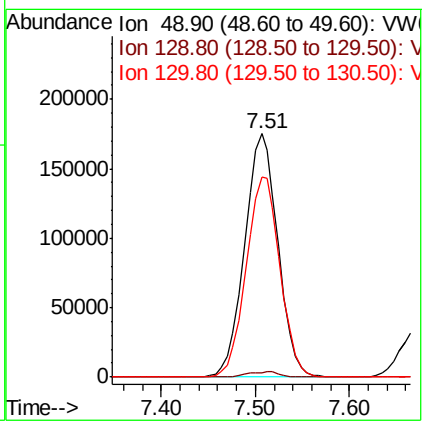


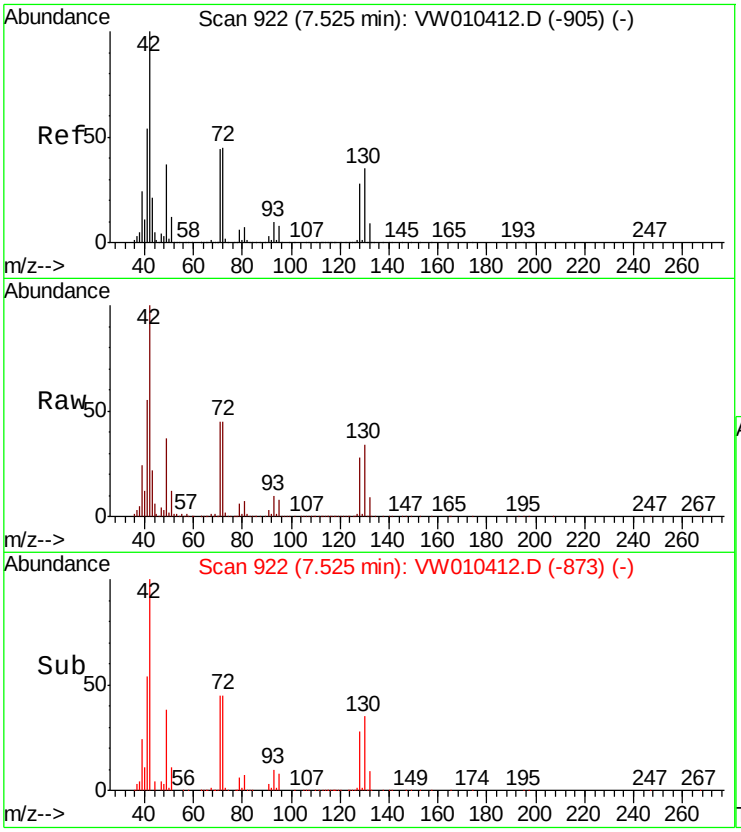




#28
Bromochloromethane
Concen: 52.343 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 49 Resp: 433267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.4 | 0.0 | 4.8 |
| 130 | 83.7 | 67.0 | 100.4 |



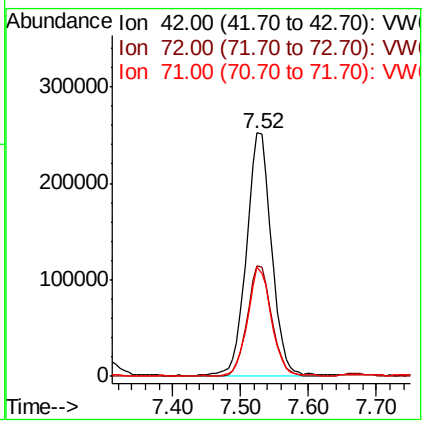


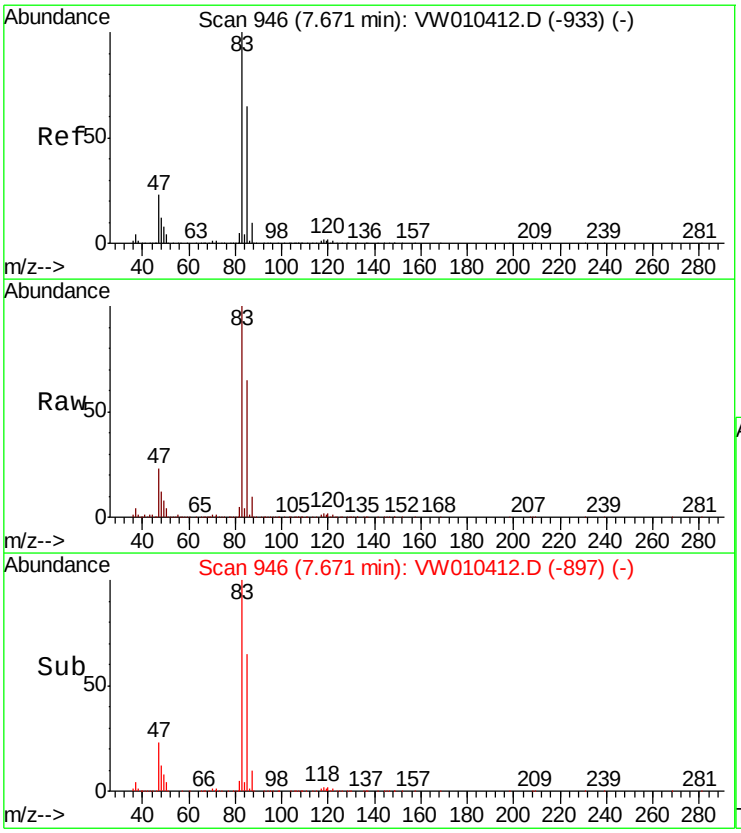

#29
Tetrahydrofuran
Concen: 231.247 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 42 Resp: 644158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 35.6 | 53.4 |
| 71 | 42.1 | 33.7 | 50.5 |

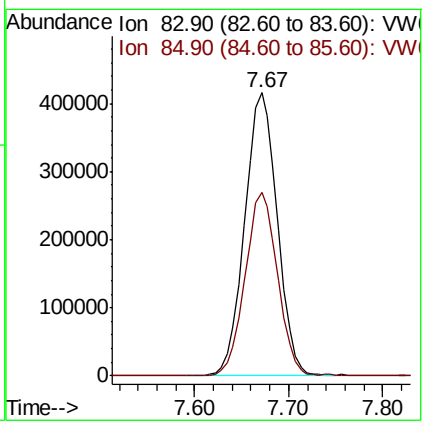


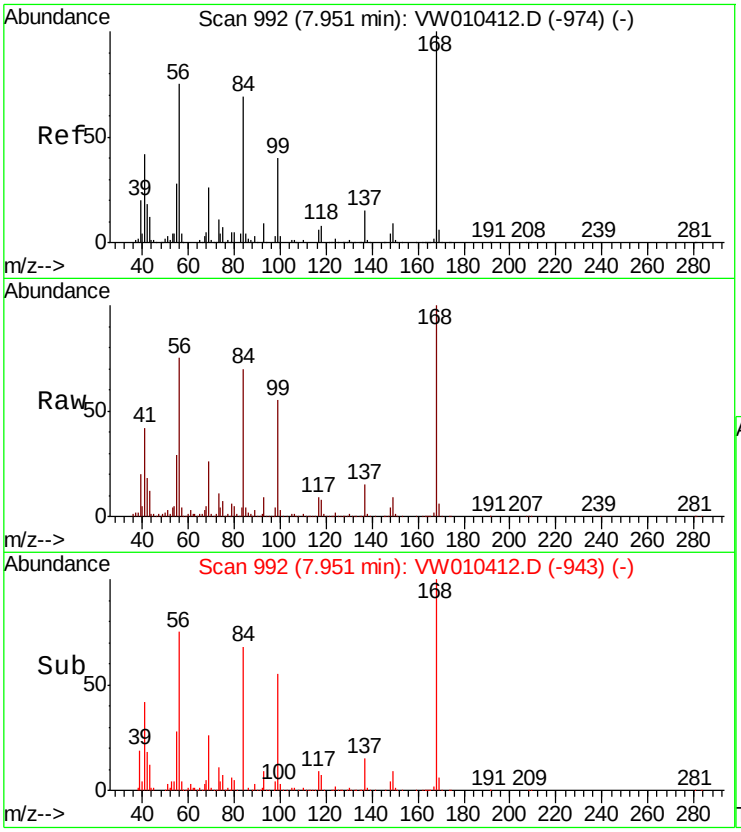




#30
Chloroform
Concen: 48.658 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 83 Resp: 1002939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 52.0 | 78.0 |



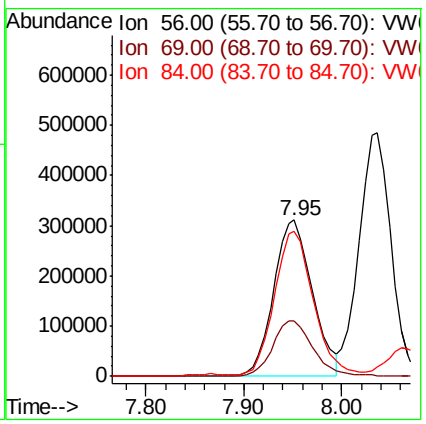


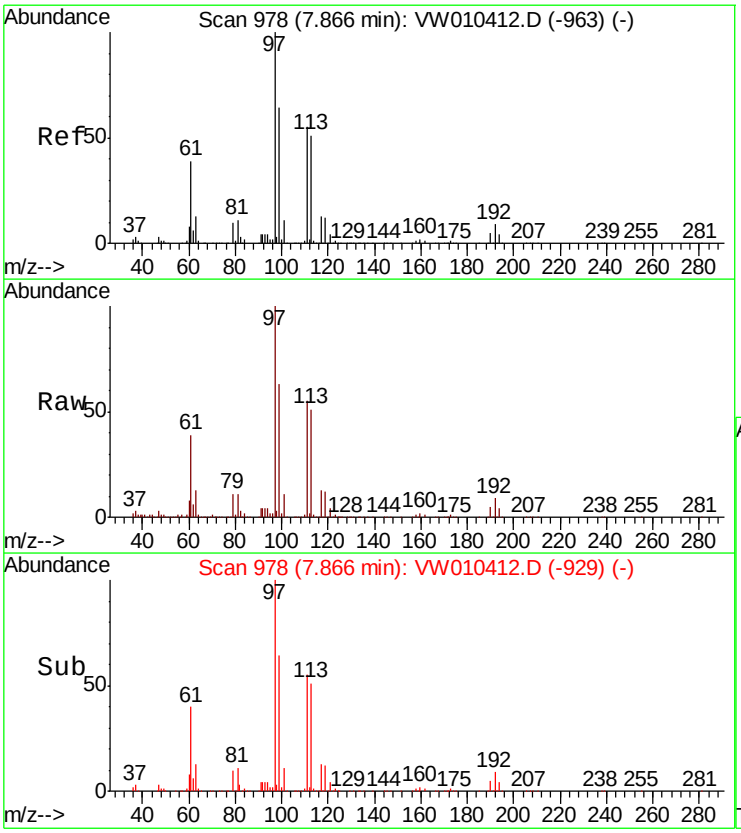

#31
Cyclohexane
Concen: 39.151 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 56 Resp: 856017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 34.9 | 27.9 | 41.9 |
| 84 | 92.4 | 73.9 | 110.9 |

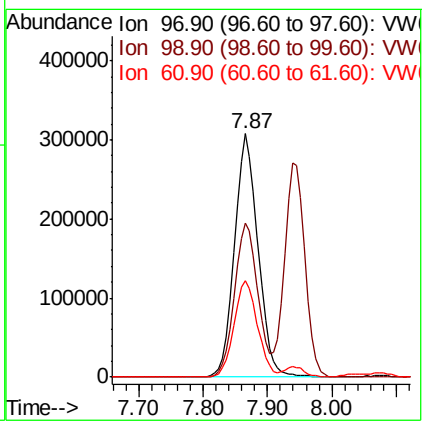


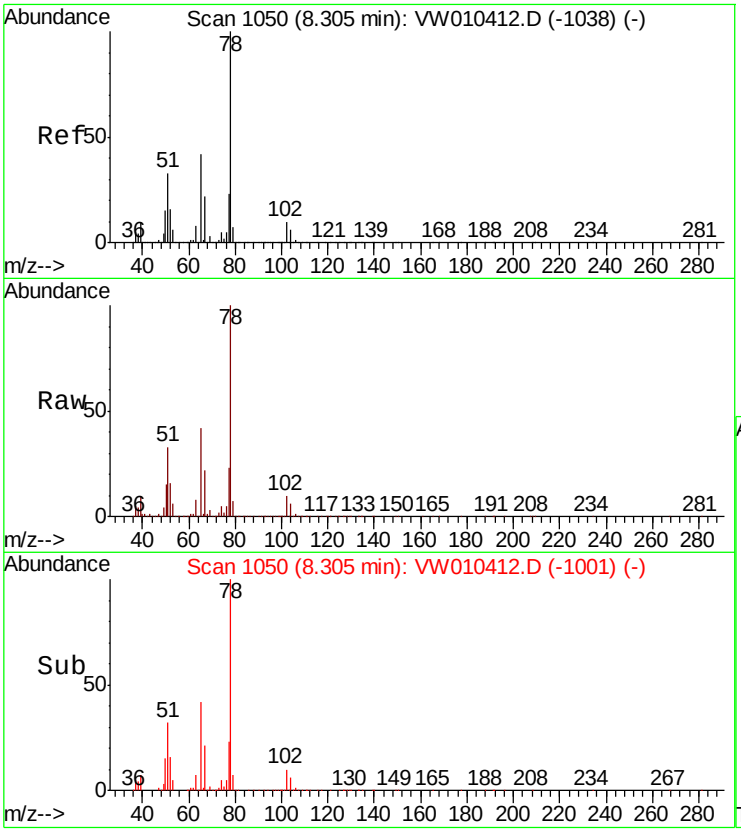




#32
1,1,1-Trichloroethane
Concen: 48.346 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 97 Resp: 771836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 50.6 | 76.0 |
| 61 | 39.9 | 31.9 | 47.9 |



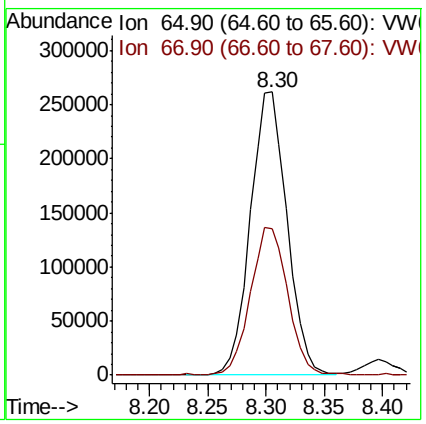


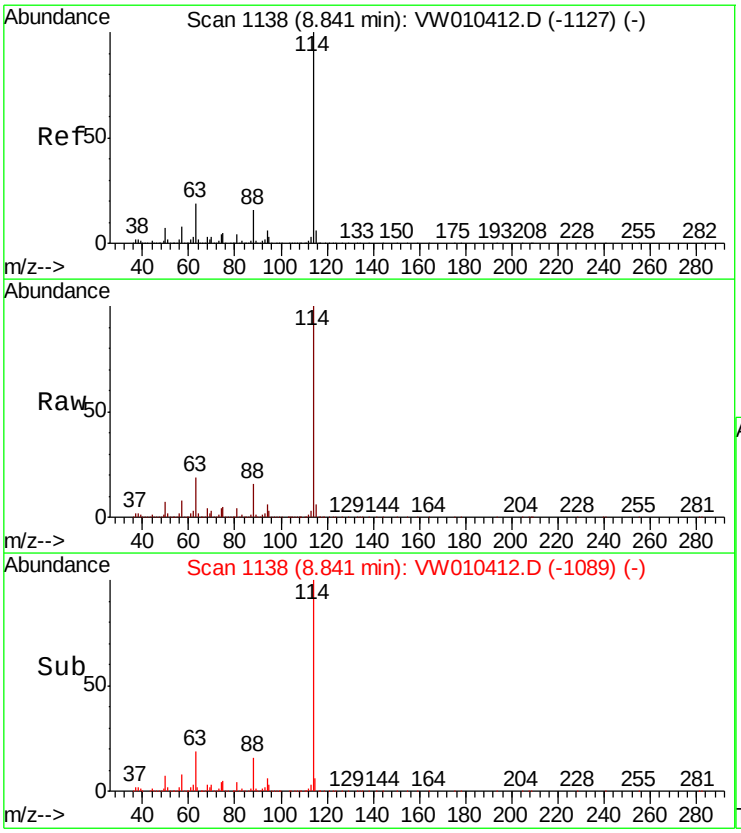

#33
1,2-Dichloroethane-d4
Concen: 51.726 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 65 Resp: 572736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 104.8 |

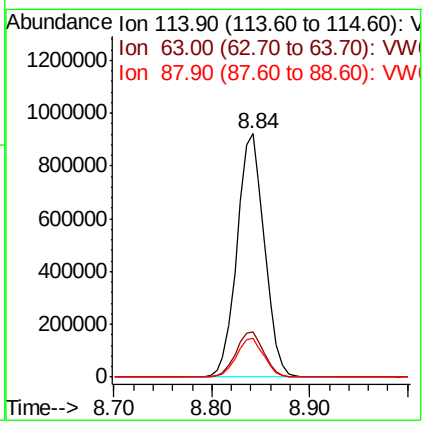


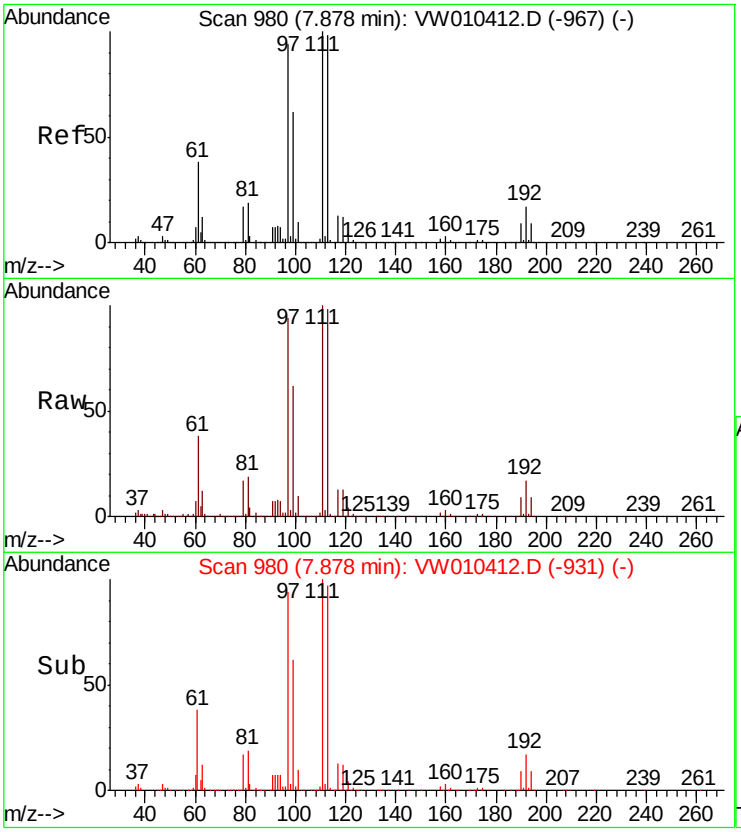




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:114 Resp: 1786437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.8 | 0.0 | 37.6 |
| 88 | 16.0 | 0.0 | 32.0 |



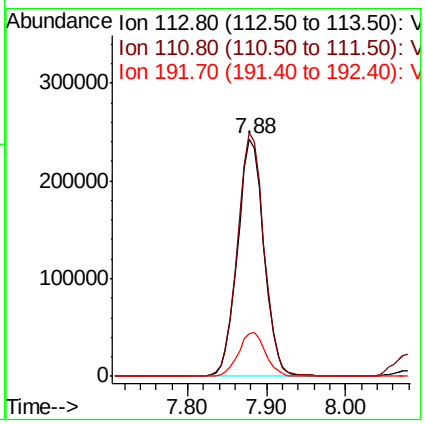


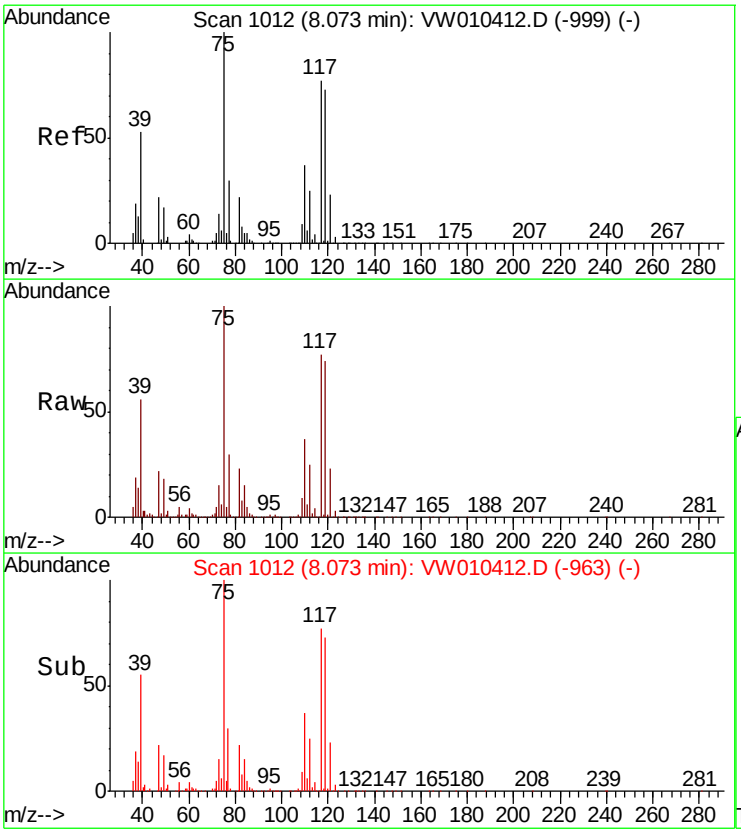

#35
Dibromofluoromethane
Concen: 53.618 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:113 Resp: 565692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 82.2 | 123.4 |
| 192 | 19.0 | 15.2 | 22.8 |

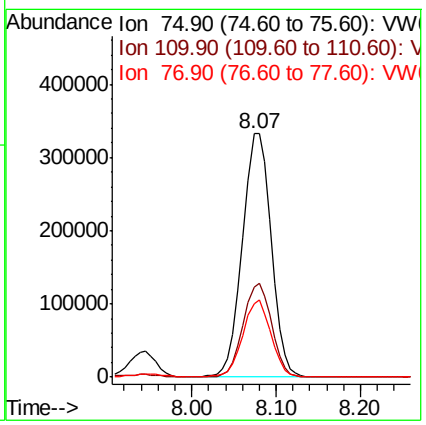


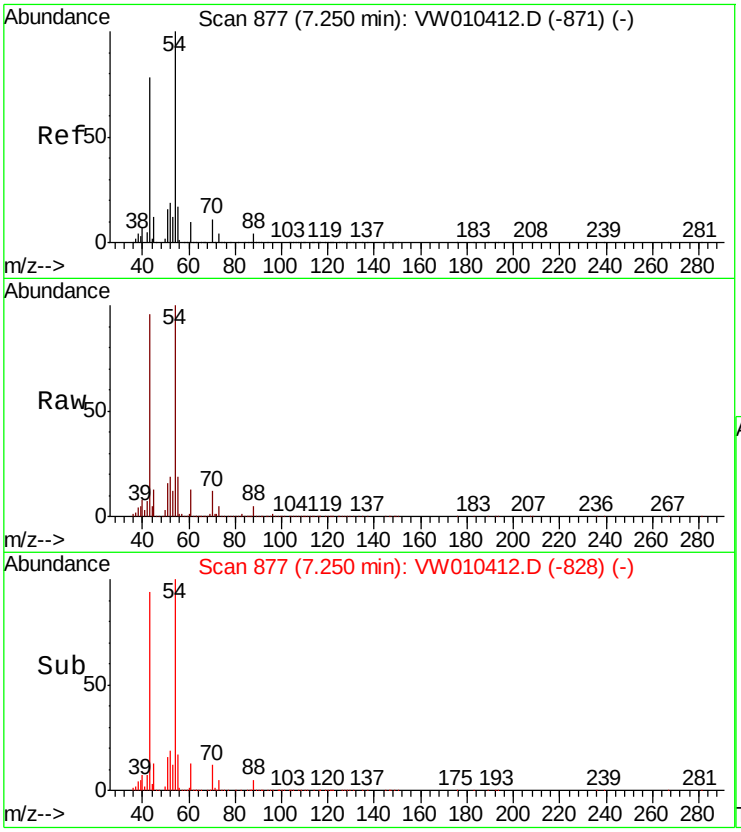




#36
1,1-Dichloropropene
Concen: 40.999 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 75 Resp: 767643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 37.8 | 18.9 | 56.7 |
| 77 | 30.8 | 24.6 | 37.0 |



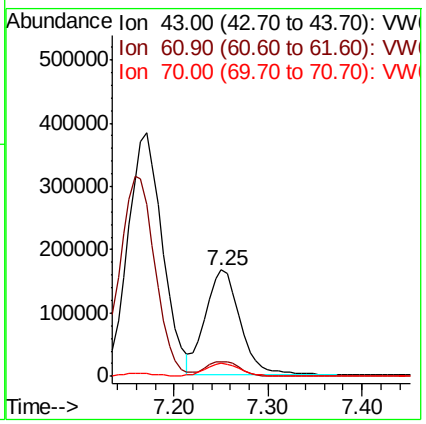


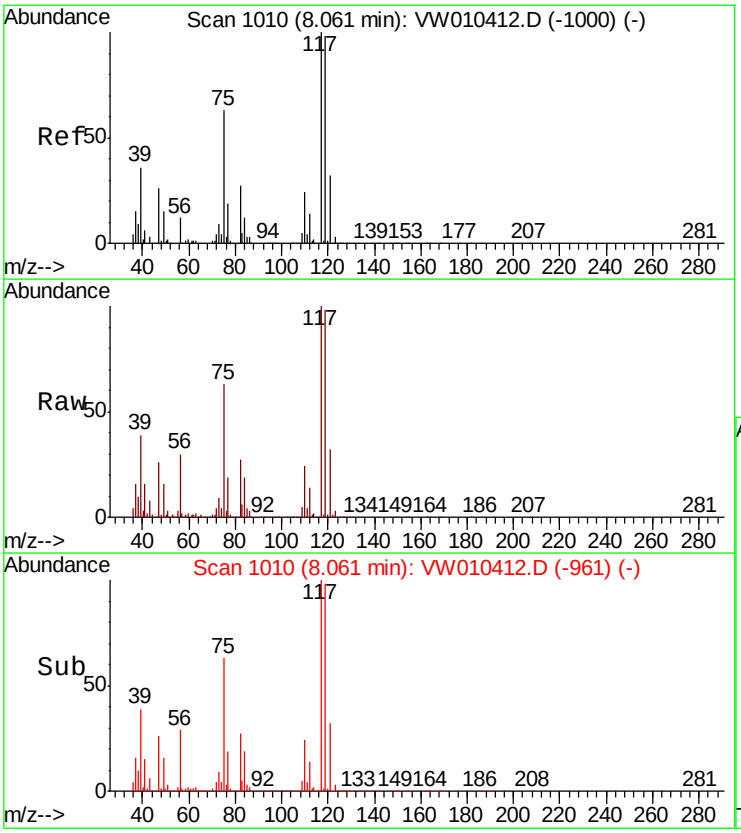

#37
Ethyl Acetate
Concen: 42.616 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 43 Resp: 425166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.7 | 11.0 | 16.4 |
| 70 | 11.4 | 9.1 | 13.7 |

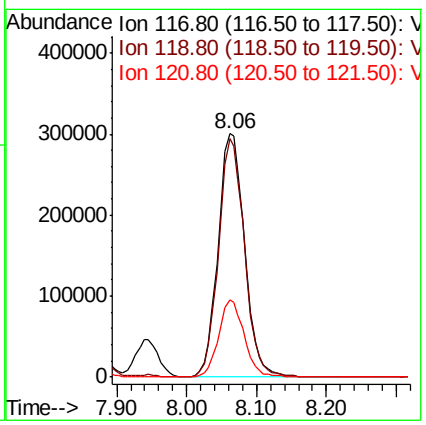


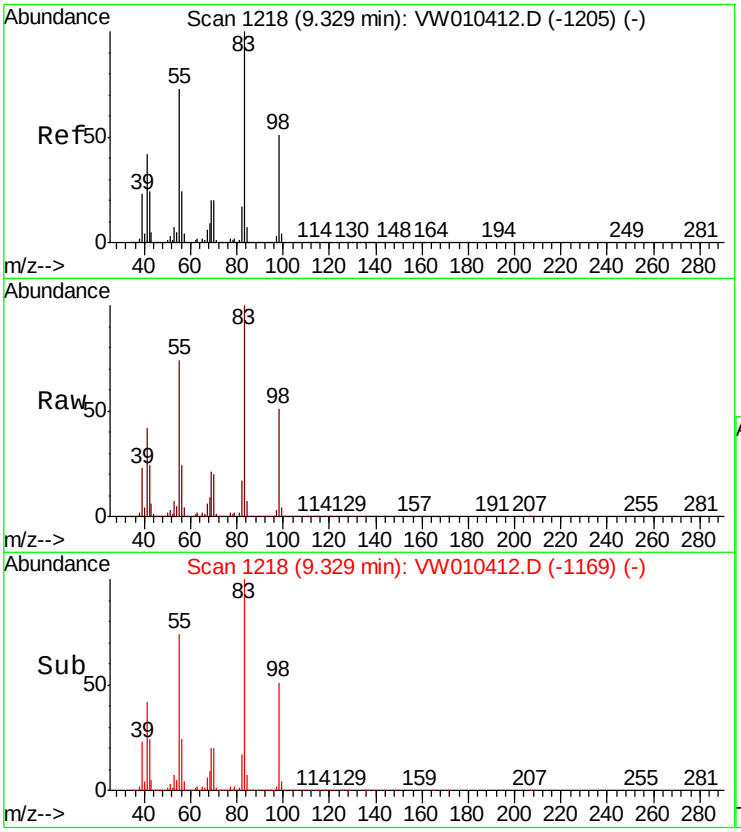




#38
Carbon Tetrachloride
Concen: 47.855 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:117 Resp: 790241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.8 | 78.2 | 117.4 |
| 121 | 31.6 | 25.3 | 37.9 |



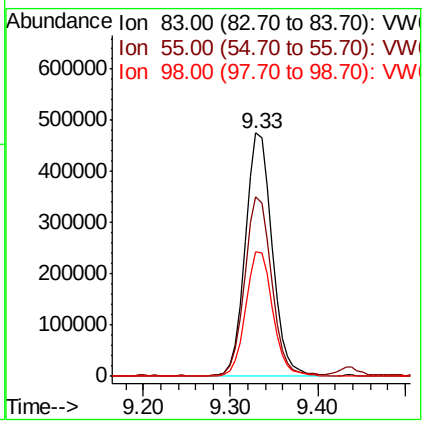


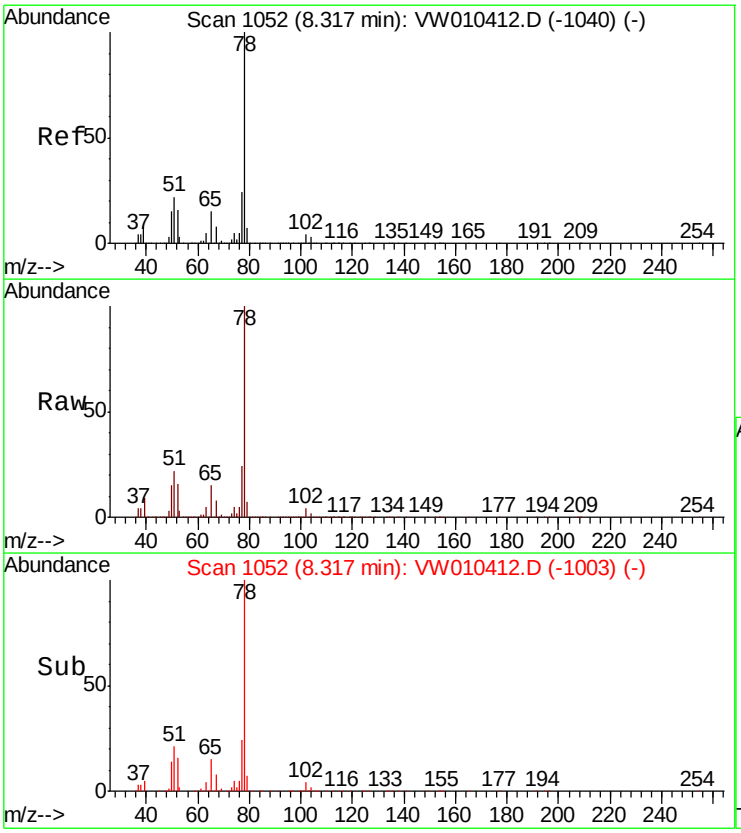

#39
Methylcyclohexane
Concen: 43.775 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 83 Resp: 1007630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.4 | 58.7 | 88.1 |
| 98 | 50.9 | 40.7 | 61.1 |

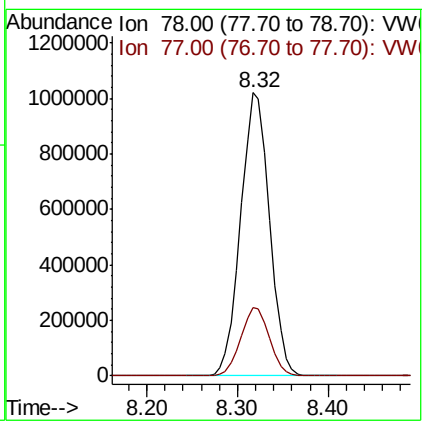


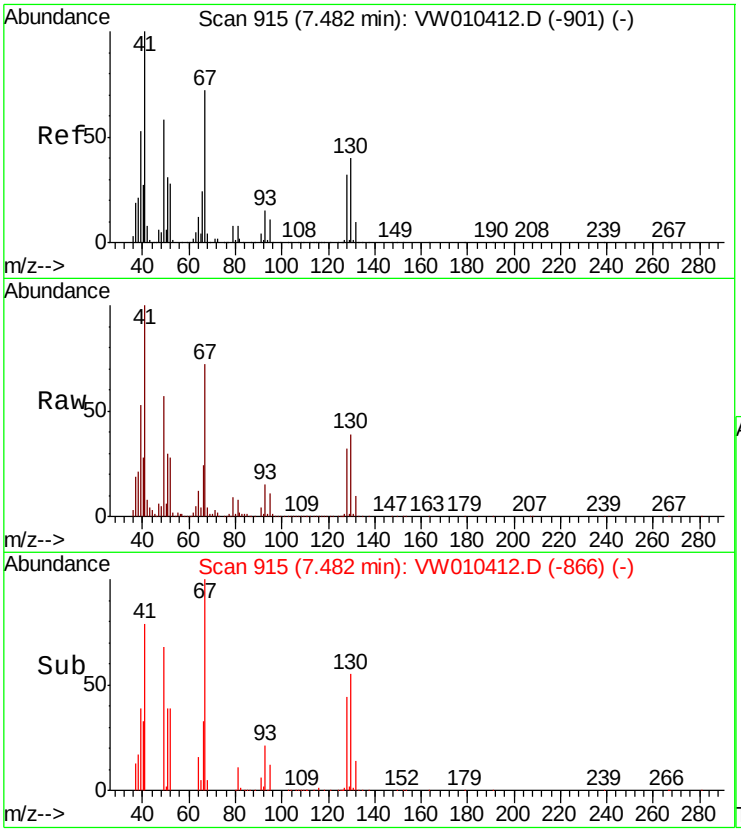




#40
Benzene
Concen: 43.319 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 78 Resp: 2245660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |



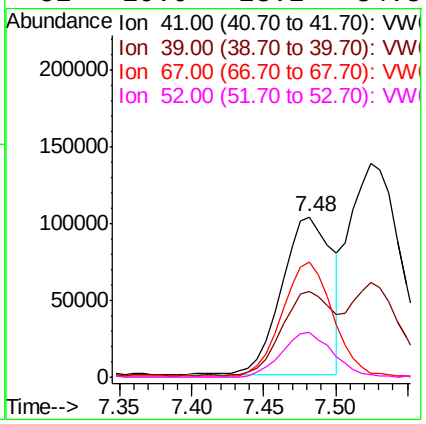


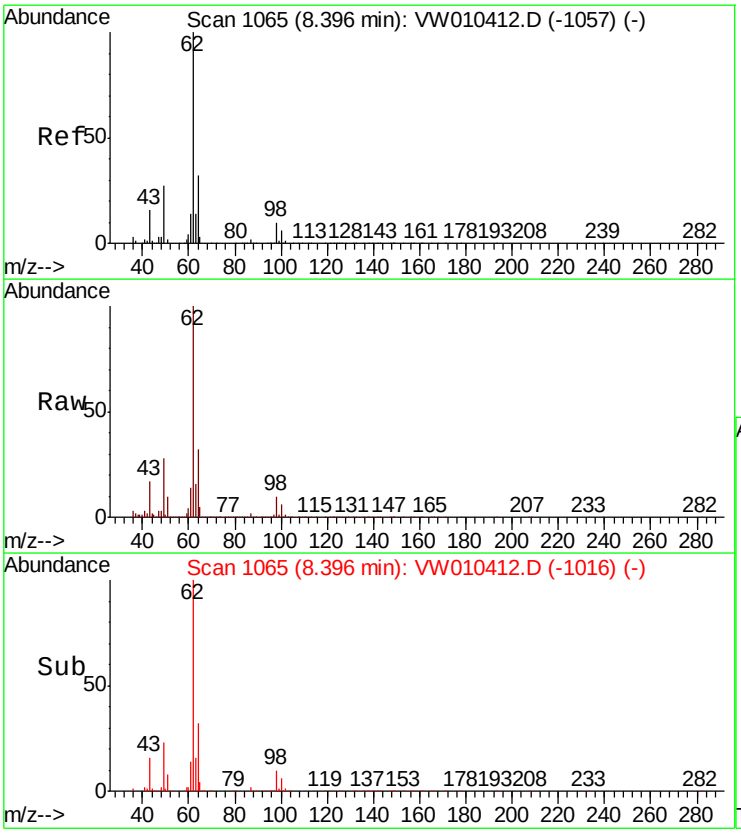

#41
Methacrylonitrile
Concen: 44.745 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 41 Resp: 250866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.4 | 42.7 | 64.1 |
| 67 | 73.5 | 58.8 | 88.2 |
| 52 | 29.0 | 23.2 | 34.8 |

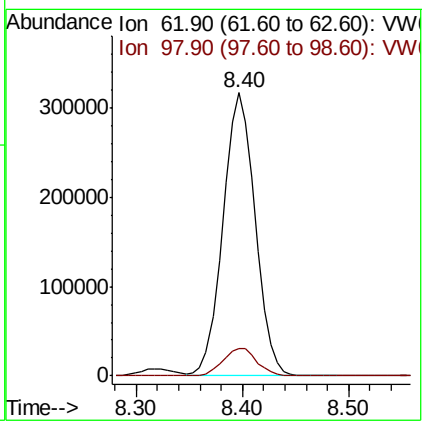


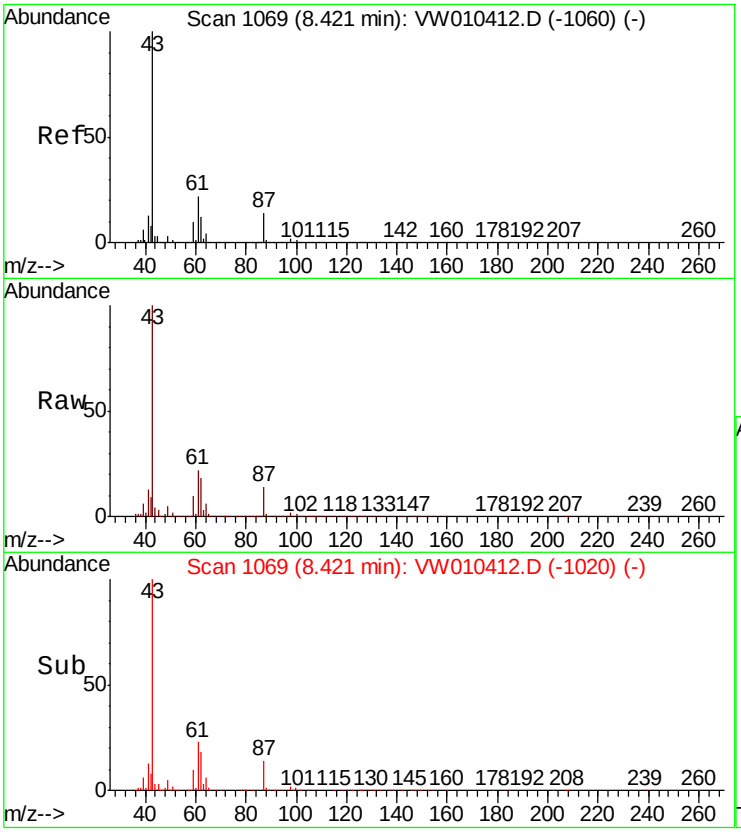




#42
1,2-Dichloroethane
Concen: 44.897 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 62 Resp: 670279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.2 | 0.0 | 20.4 |



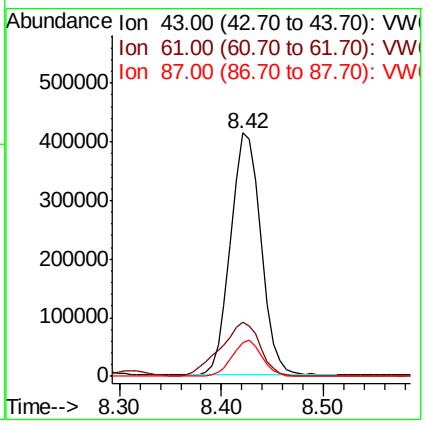


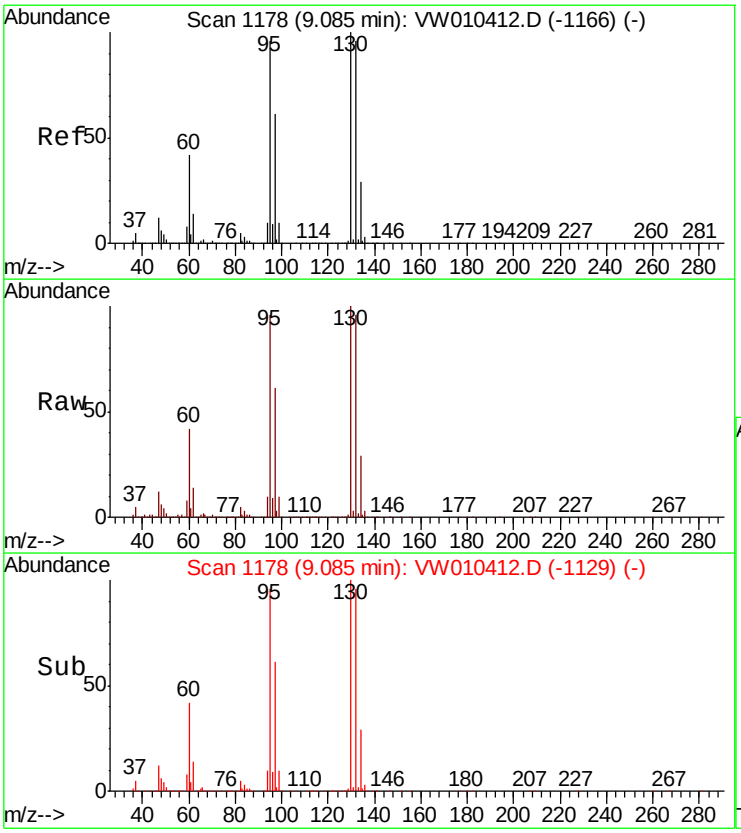

#43
Isopropyl Acetate
Concen: 50.065 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 43 Resp: 853164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.1 | 23.3 | 34.9 |
| 87 | 14.5 | 11.6 | 17.4 |

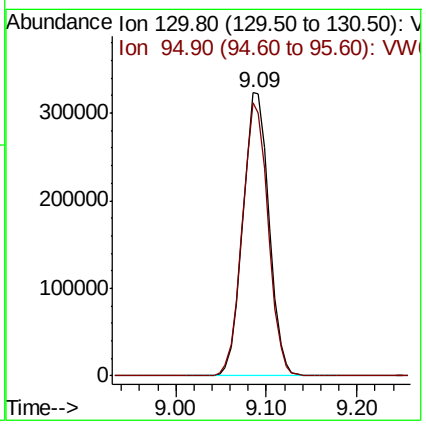


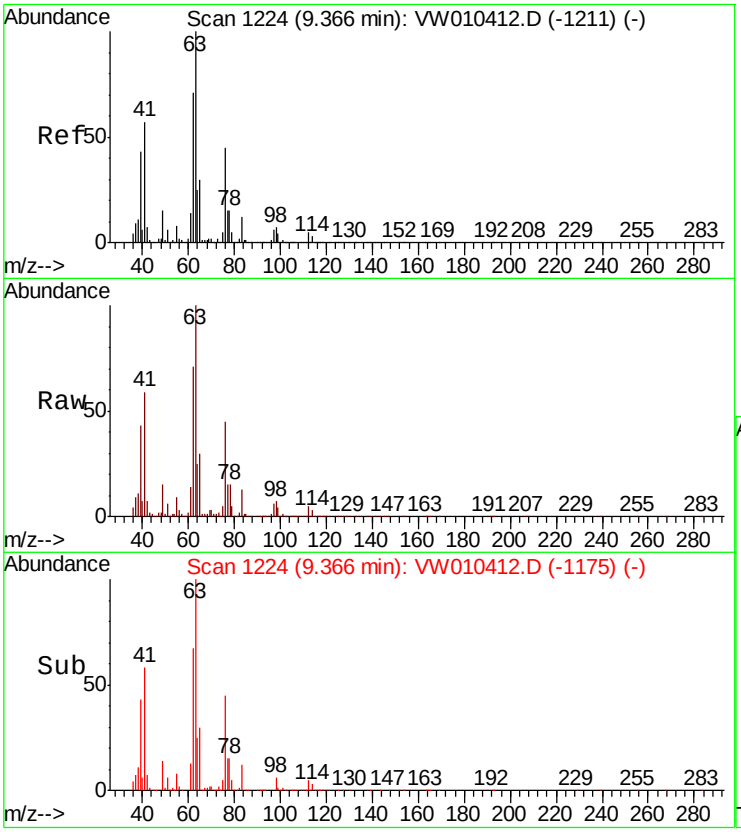




#44
Trichloroethene
Concen: 48.632 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:130 Resp: 644008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.2 | 0.0 | 192.4 |



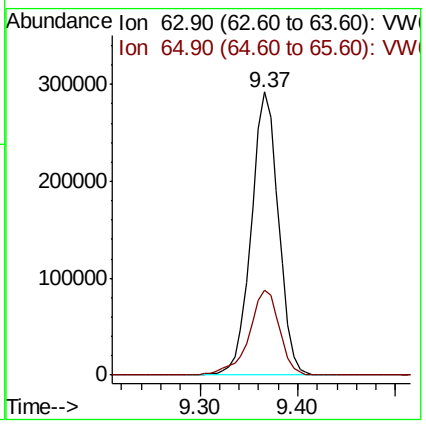


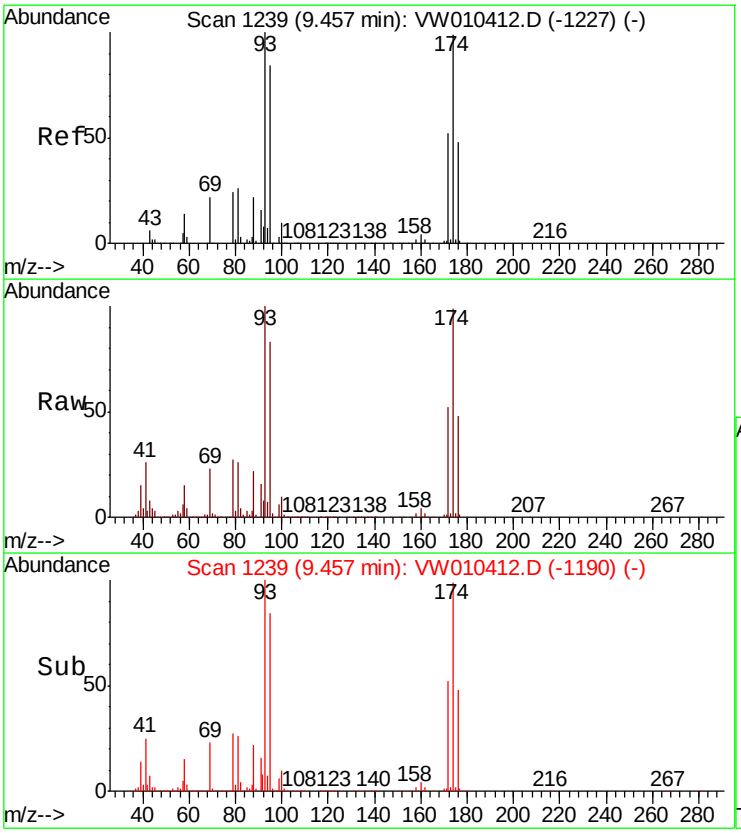

#45
1,2-Dichloropropane
Concen: 44.003 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 63 Resp: 568052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.1 | 24.1 | 36.1 |

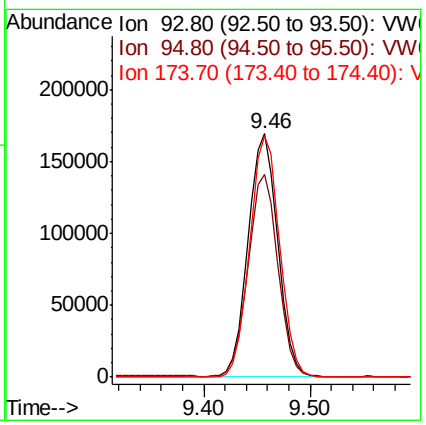


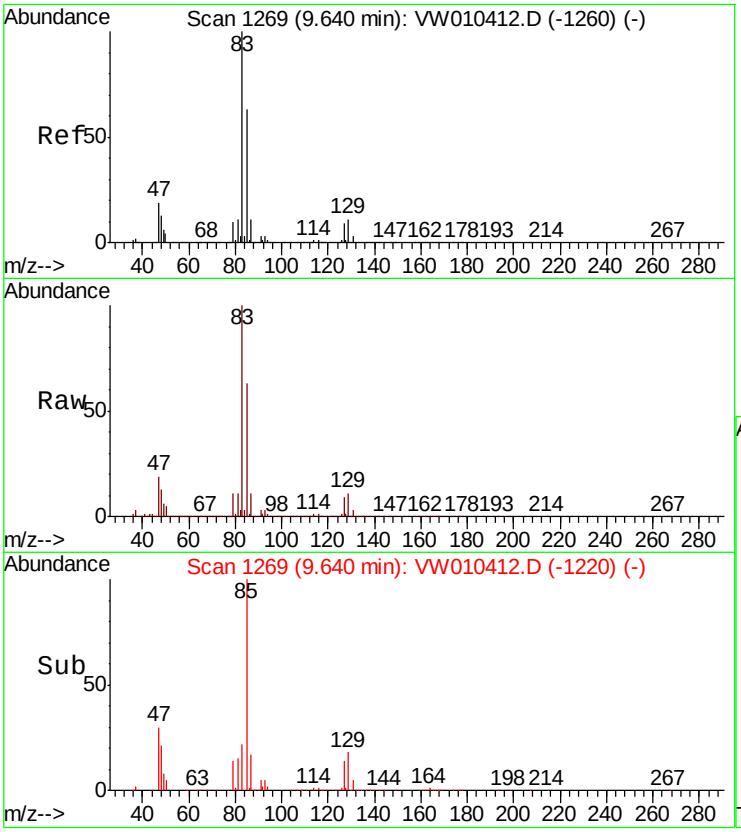




#46
Dibromomethane
Concen: 48.740 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 93 Resp: 331481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.3 | 66.6 | 100.0 |
| 174 | 99.7 | 79.8 | 119.6 |



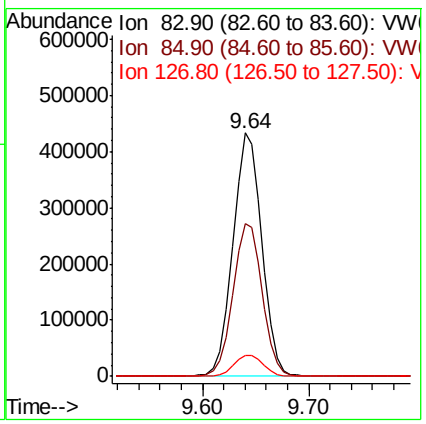


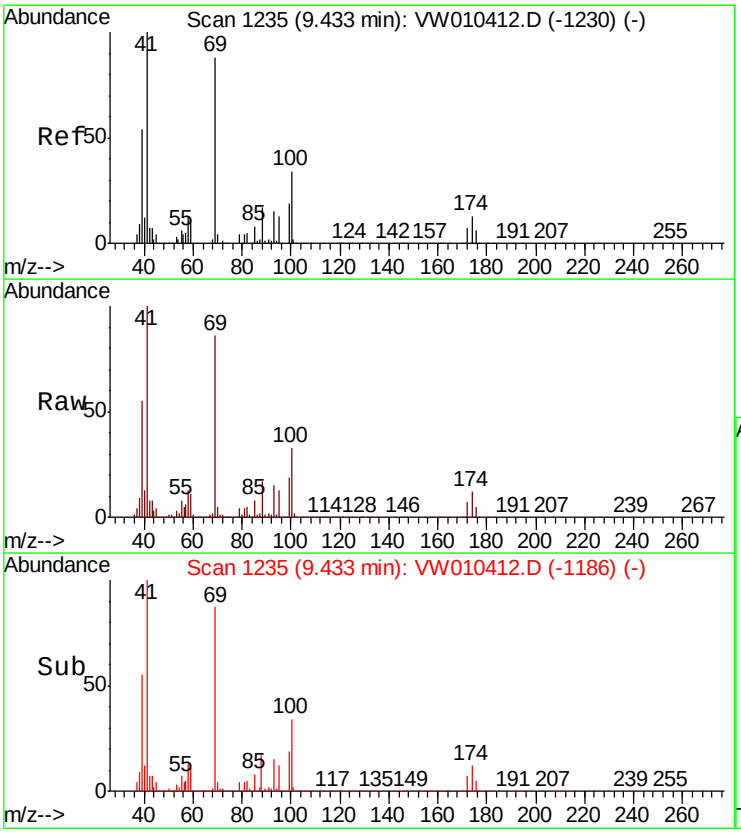

#47
Bromodichloromethane
Concen: 50.039 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 83 Resp: 820060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 50.2 | 75.2 |
| 127 | 8.6 | 6.9 | 10.3 |

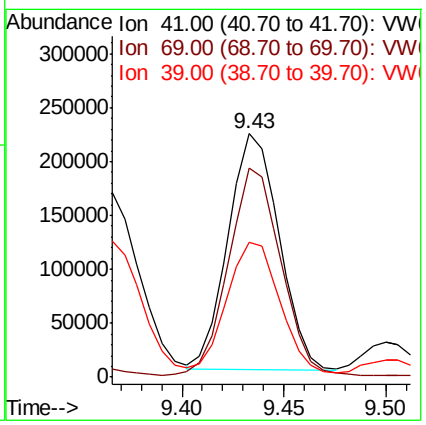


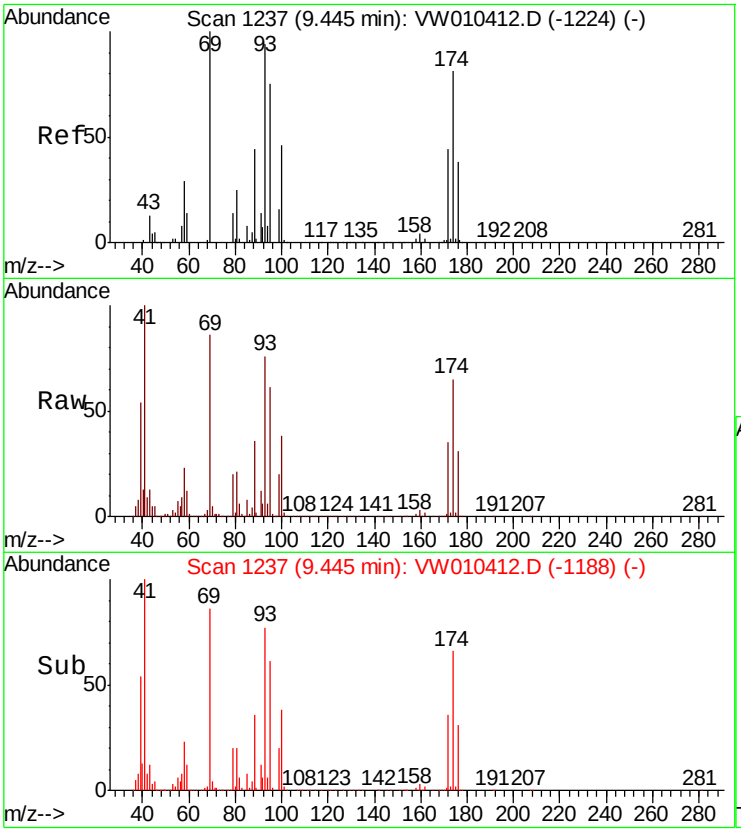




#48
Methyl methacrylate
Concen: 47.918 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 41 Resp: 380335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 90.7 | 72.6 | 108.8 |
| 39 | 60.0 | 48.0 | 72.0 |



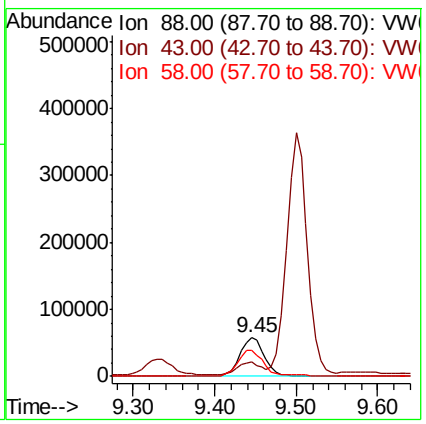


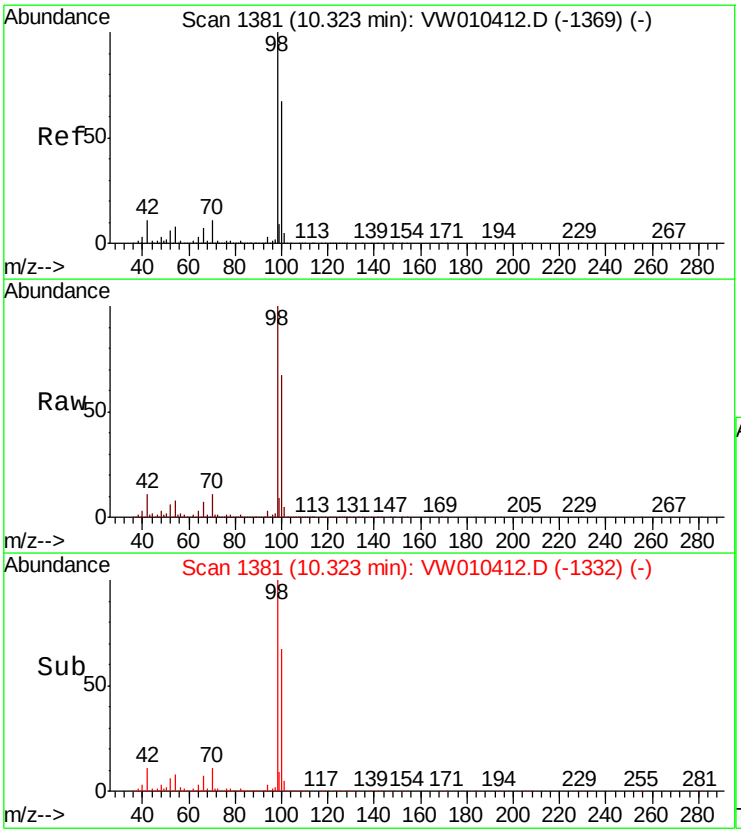

#49
1,4-Dioxane
Concen: 1018.244 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 88 Resp: 120113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 30.7 | 24.6 | 36.8 |
| 58 | 70.3 | 56.2 | 84.4 |

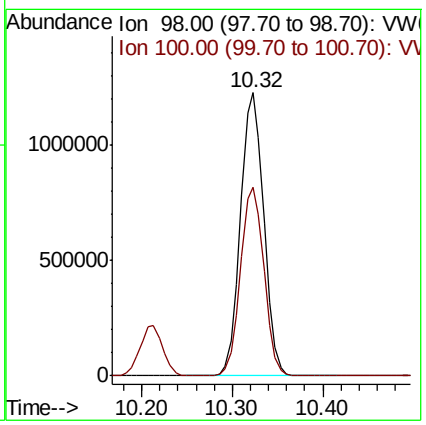


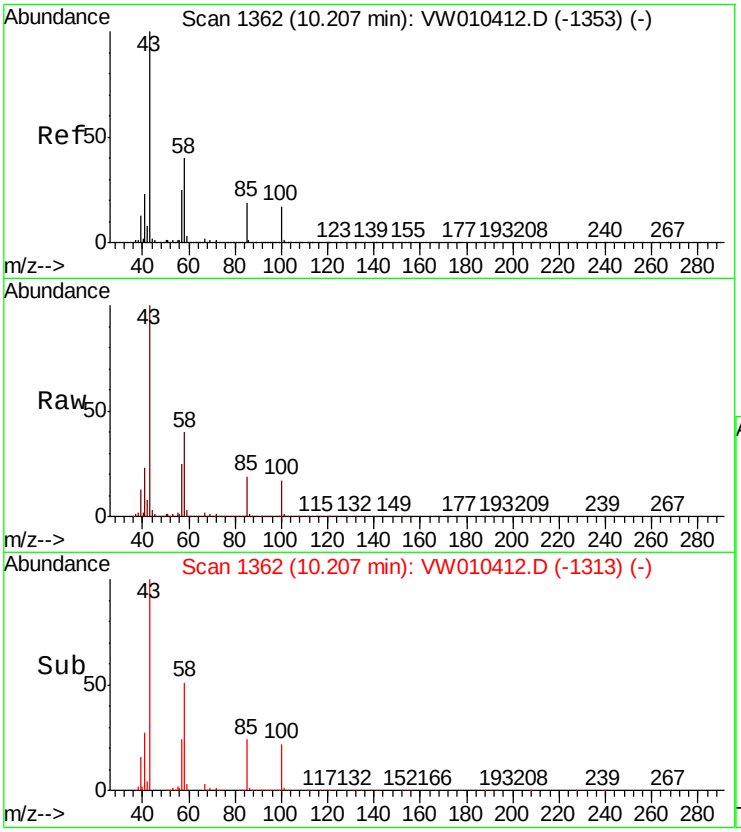




#50
Toluene-d8
Concen: 51.313 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 98 Resp: 2174136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.0 | 53.6 | 80.4 |



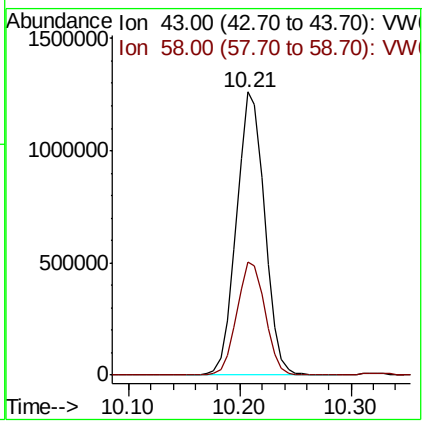


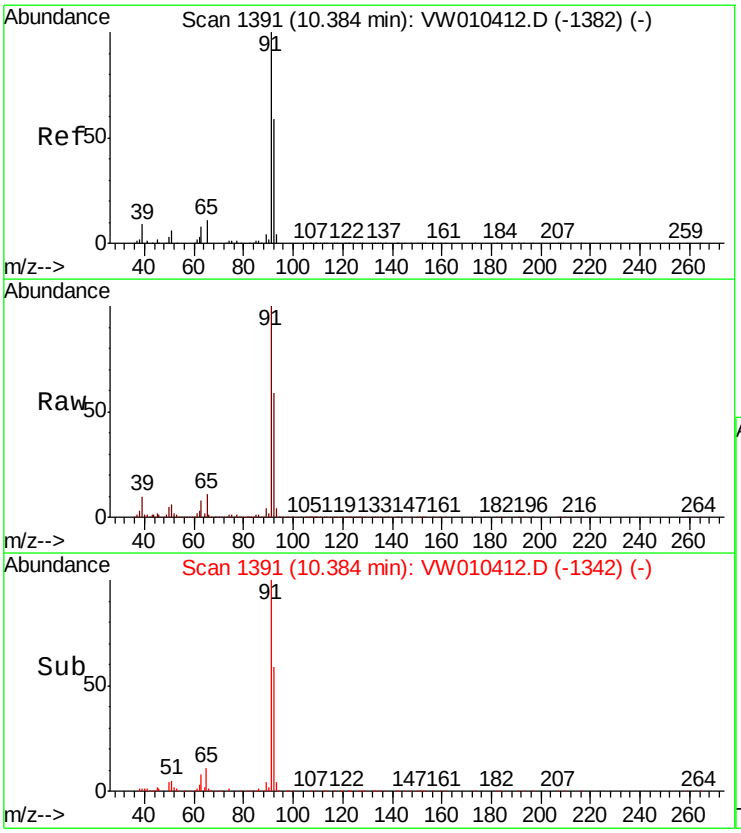

#51
4-Methyl-2-Pentanone
Concen: 230.141 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 43 Resp: 2198875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.1 | 32.1 | 48.1 |

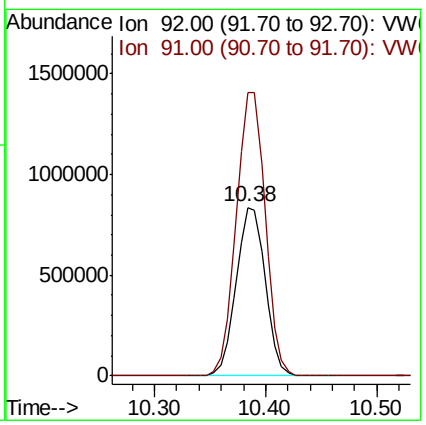


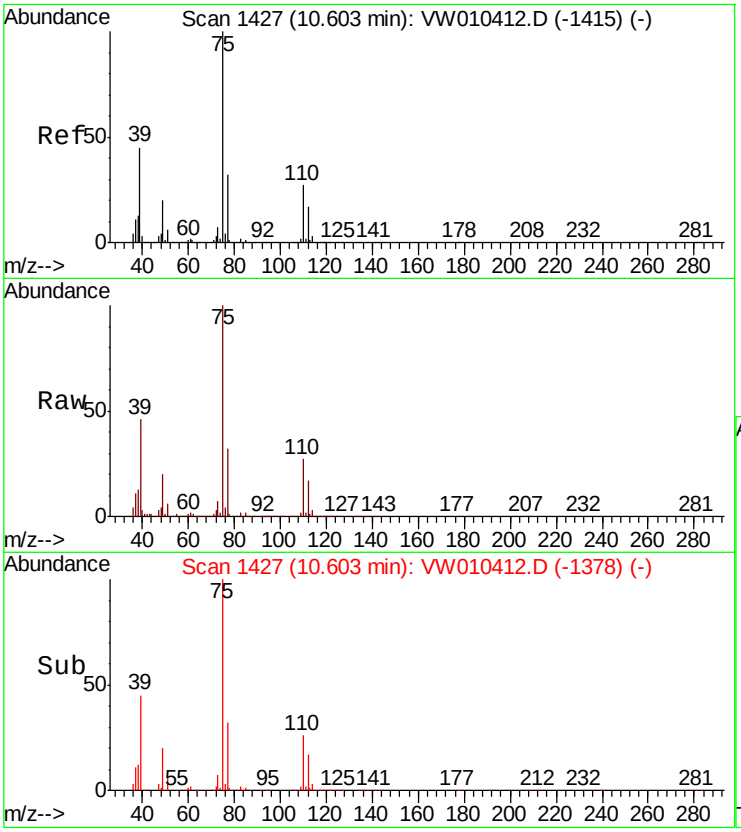




#52
Toluene
Concen: 47.156 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 92 Resp: 1510884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.6 | 134.9 | 202.3 |



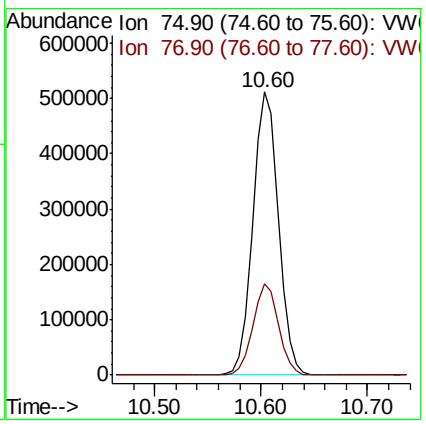


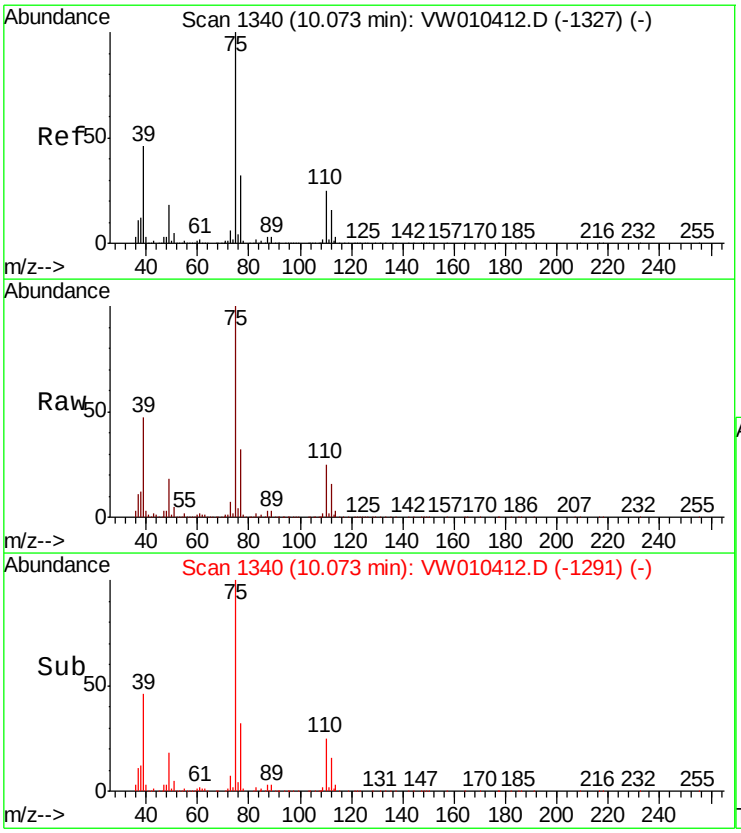

#53
t-1,3-Dichloropropene
Concen: 52.114 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 75 Resp: 865092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.6 | 38.4 |

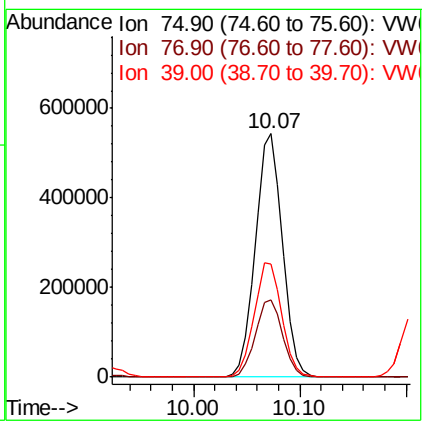


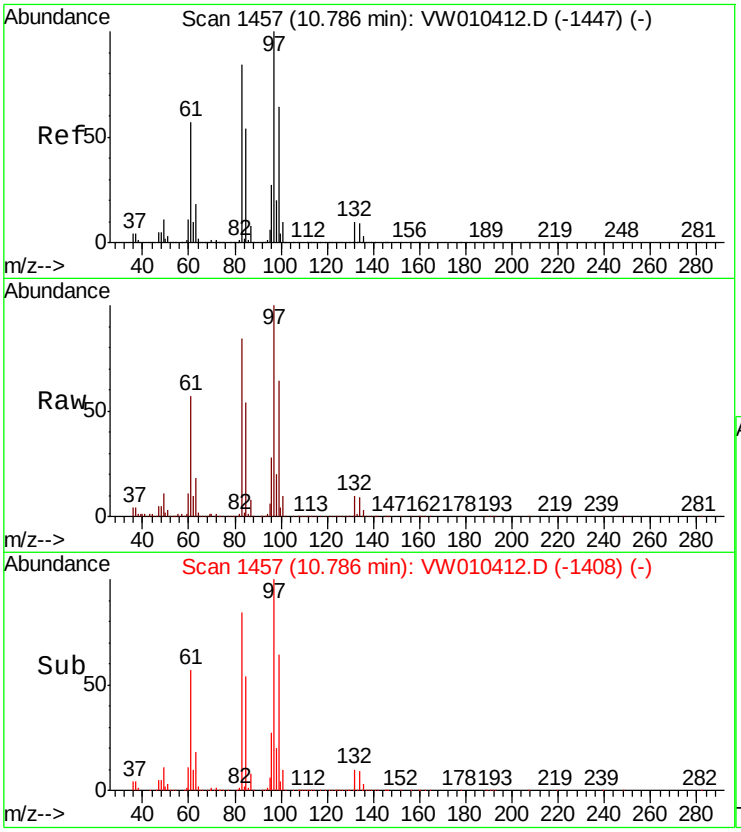




#54
cis-1,3-Dichloropropene
Concen: 49.650 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 75 Resp: 969416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.5 | 38.3 |
| 39 | 46.4 | 37.1 | 55.7 |



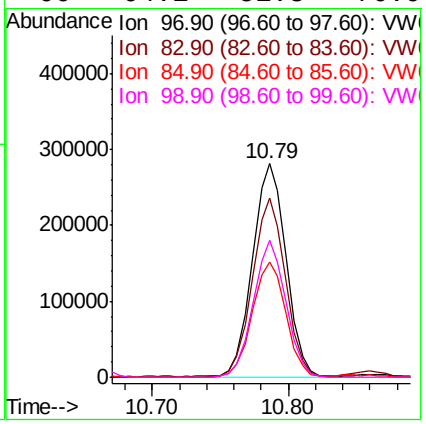


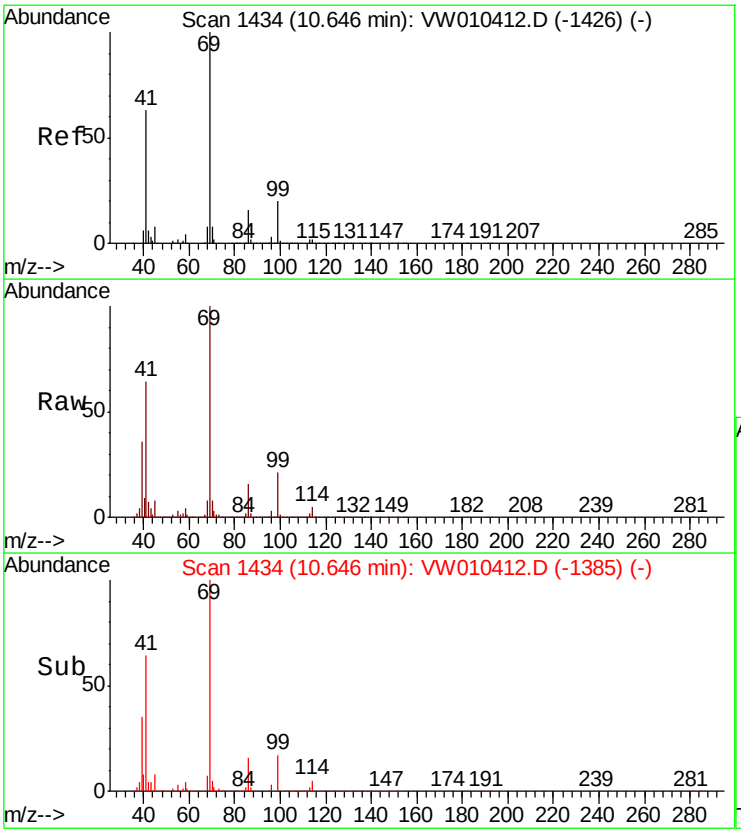

#55
1,1,2-Trichloroethane
Concen: 49.826 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 97 Resp: 483703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.0 | 67.2 | 100.8 |
| 85 | 53.9 | 43.1 | 64.7 |
| 99 | 64.1 | 51.3 | 76.9 |

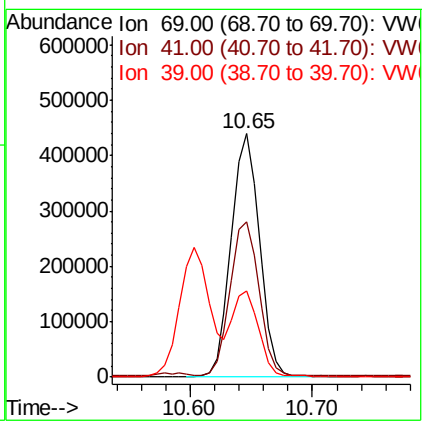


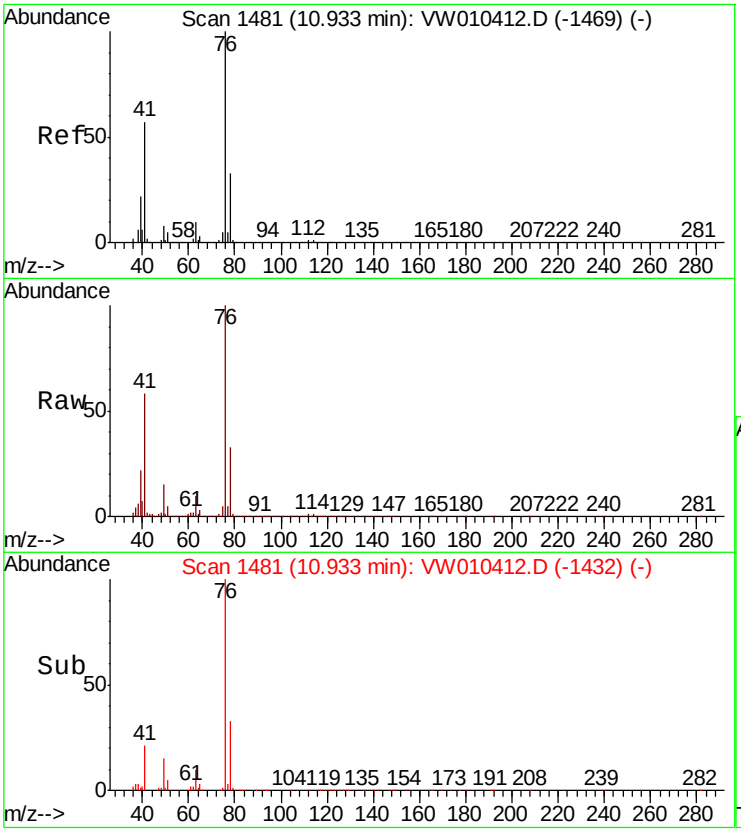




#56
Ethyl methacrylate
Concen: 54.424 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 69 Resp: 700202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 64.6 | 51.7 | 77.5 |
| 39 | 32.7 | 26.2 | 39.2 |



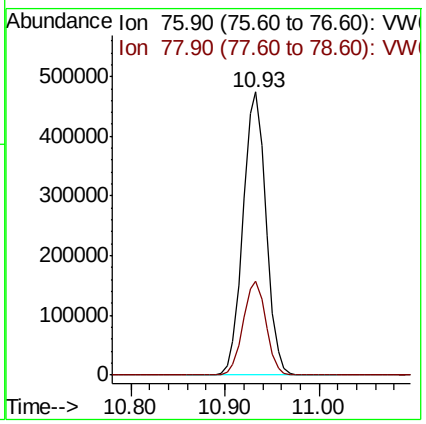


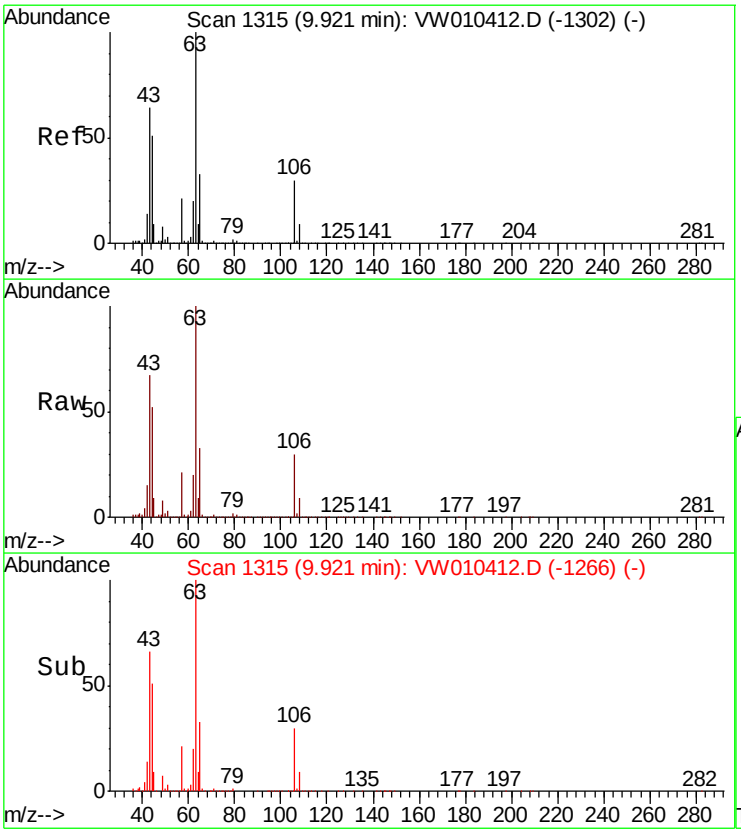

#57
1,3-Dichloropropane
Concen: 47.401 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 76 Resp: 810893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.2 | 39.4 |

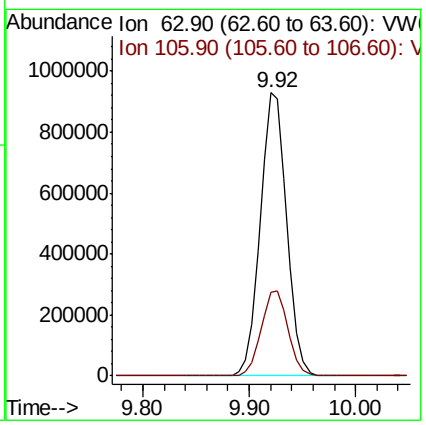


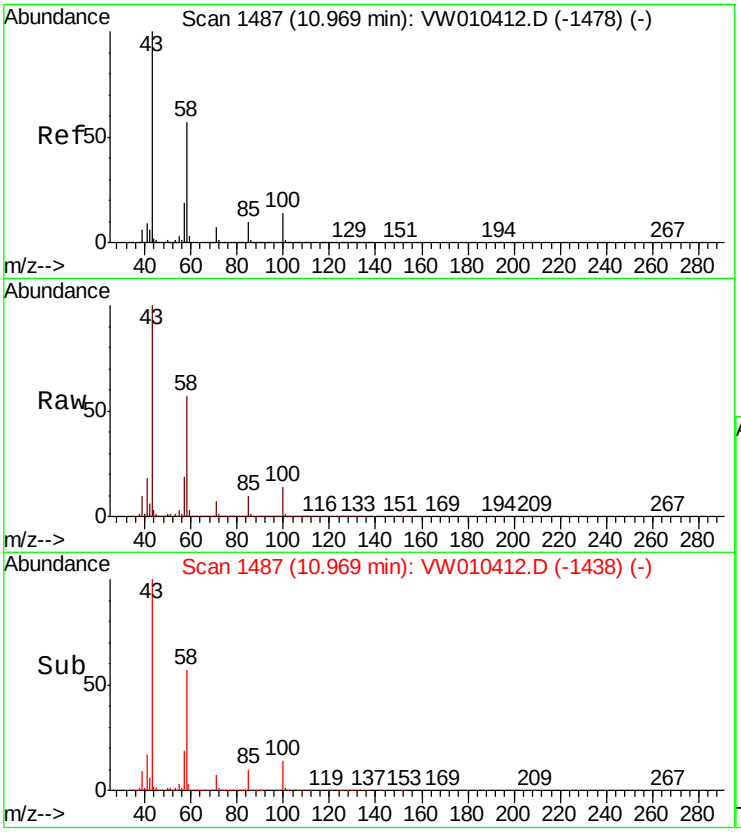




#58
2-Chloroethyl Vinyl ether
Concen: 261.130 ug/l
RT: 9.92 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 63 Resp: 1610697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 30.6 | 24.5 | 36.7 |



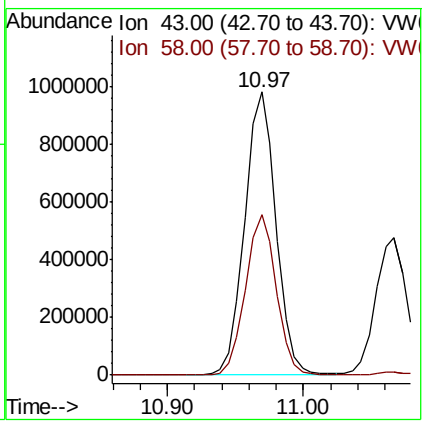


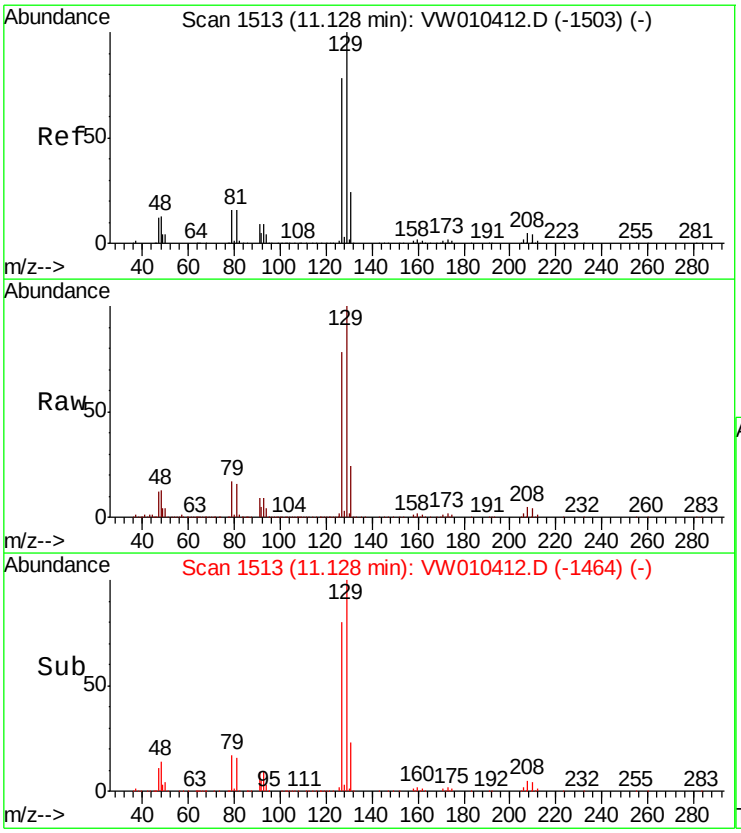

#59
2-Hexanone
Concen: 233.429 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 43 Resp: 1574689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.9 | 28.0 | 83.9 |

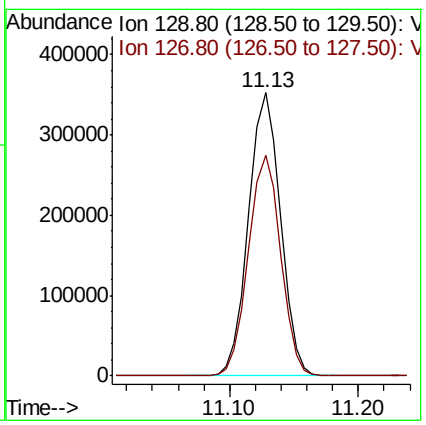


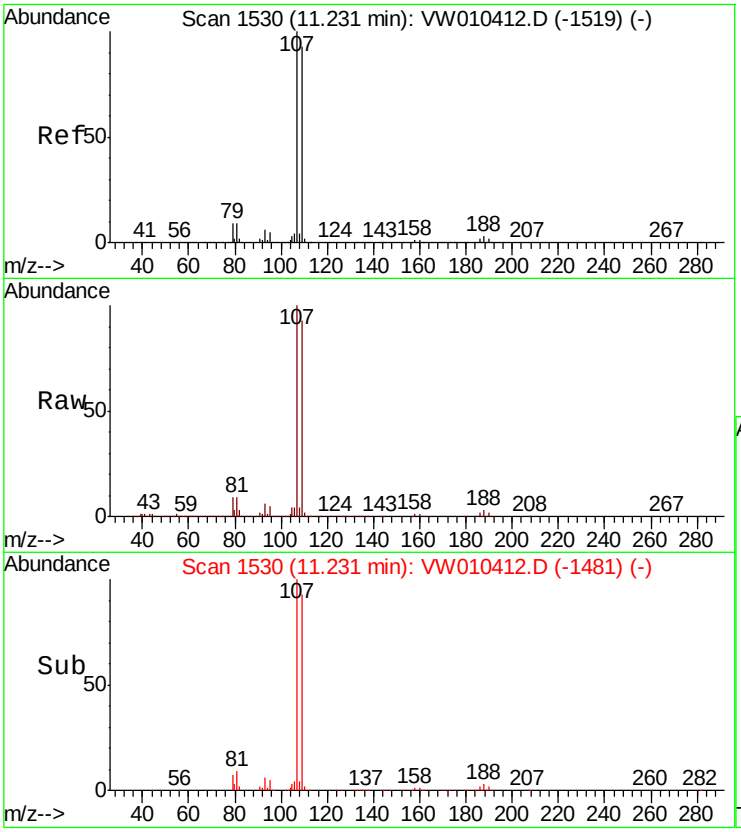




#60
Dibromochloromethane
Concen: 56.478 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:129 Resp: 603920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 39.3 | 117.9 |



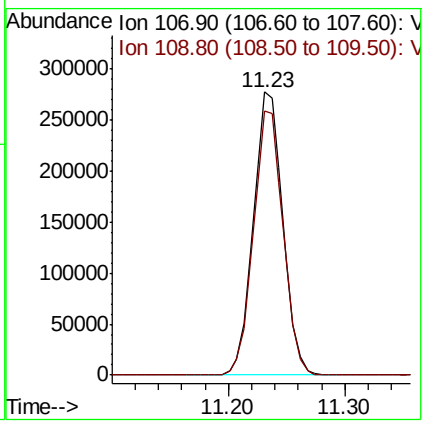


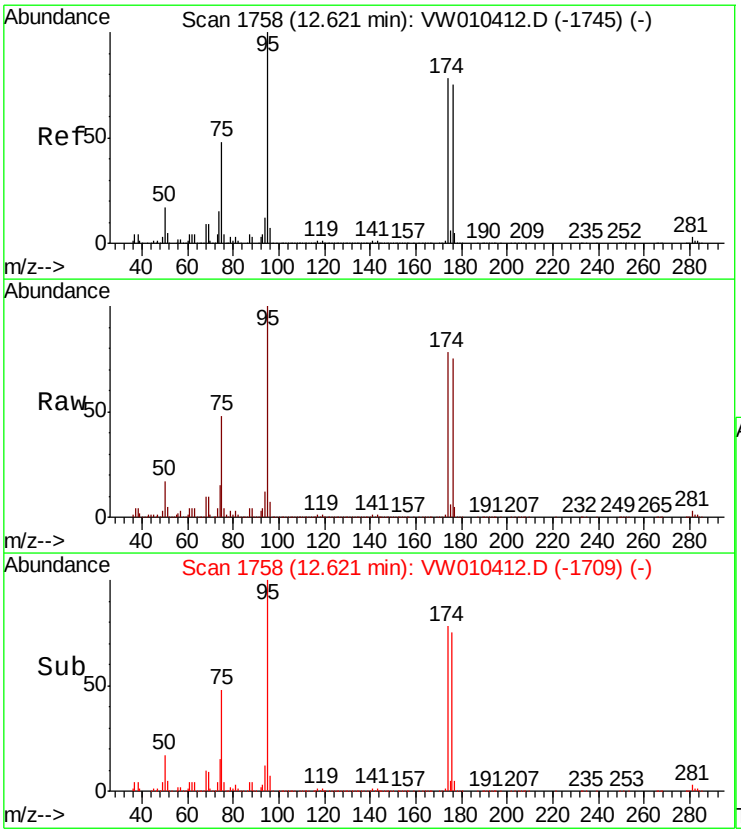

#61
1,2-Dibromoethane
Concen: 52.100 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:107 Resp: 488269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 75.1 | 112.7 |

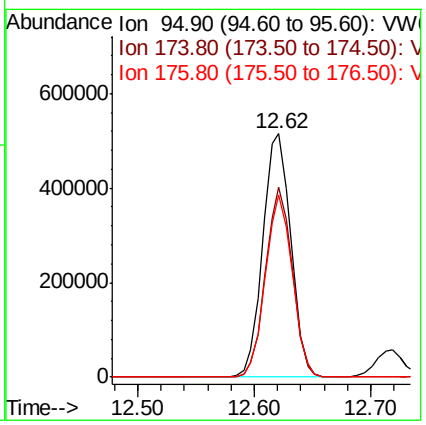


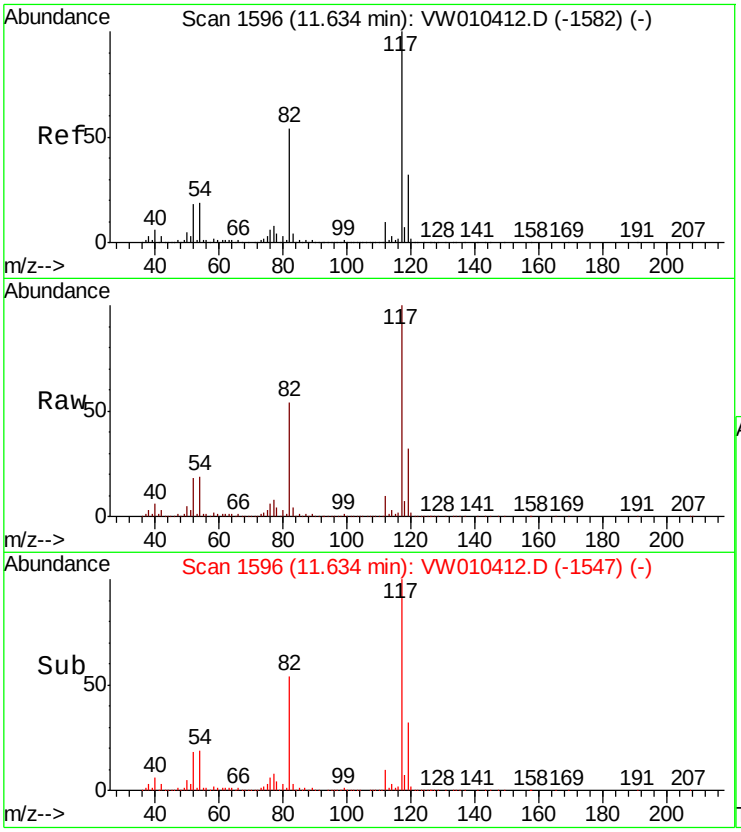




#62
4-Bromofluorobenzene
Concen: 55.792 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 95 Resp: 849097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.1 | 0.0 | 150.2 |
| 176 | 72.3 | 0.0 | 144.6 |



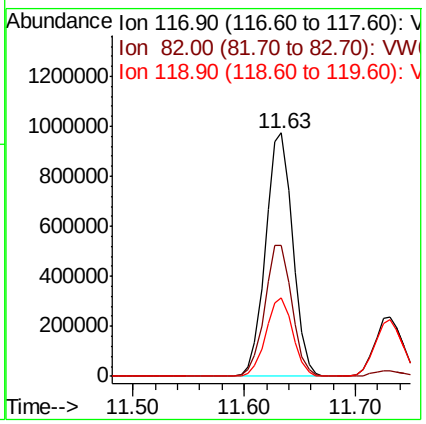


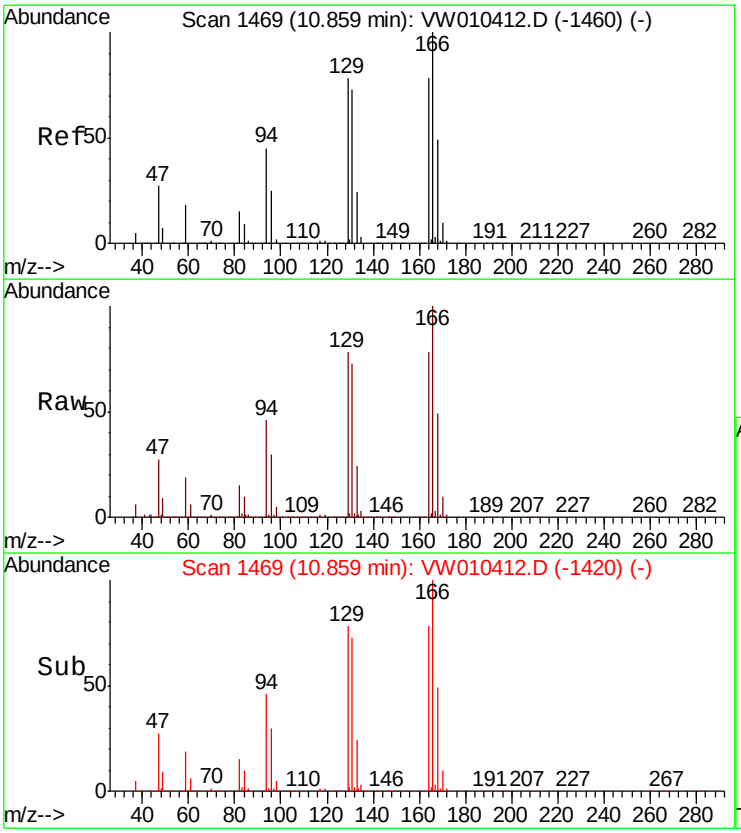

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:117 Resp: 1651062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 43.0 | 64.6 |
| 119 | 32.1 | 25.7 | 38.5 |

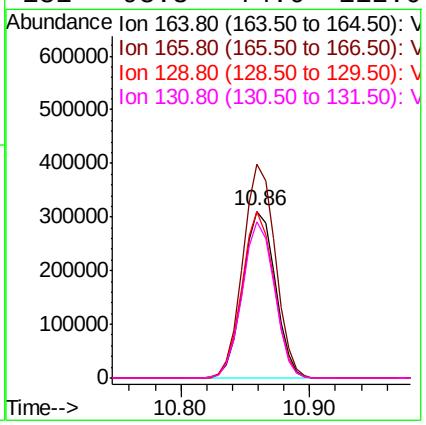


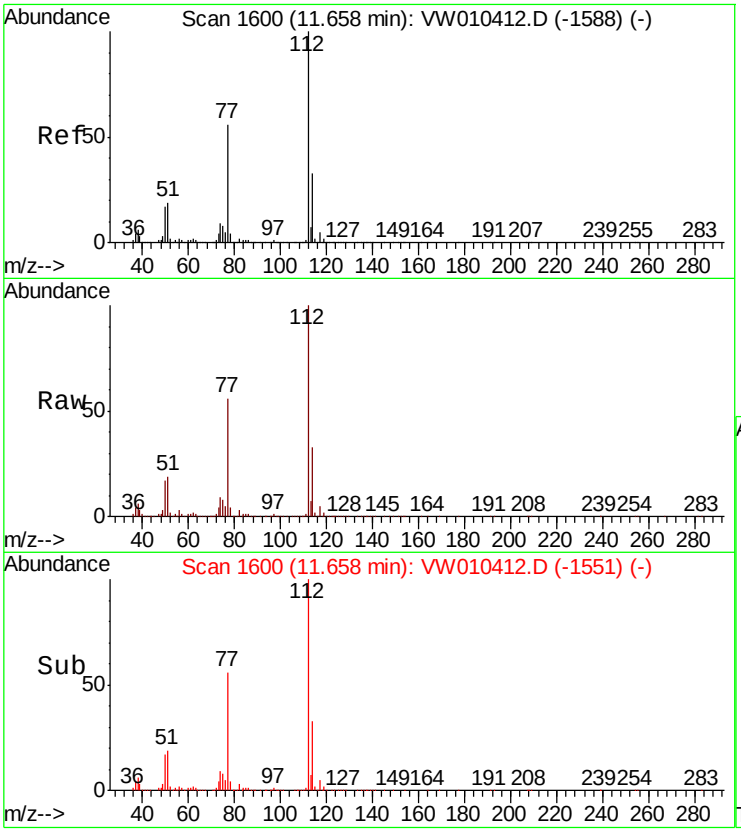




#64
Tetrachloroethene
Concen: 47.154 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:164 Resp: 540026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.9 | 102.3 | 153.5 |
| 129 | 99.5 | 79.6 | 119.4 |
| 131 | 93.3 | 74.6 | 112.0 |



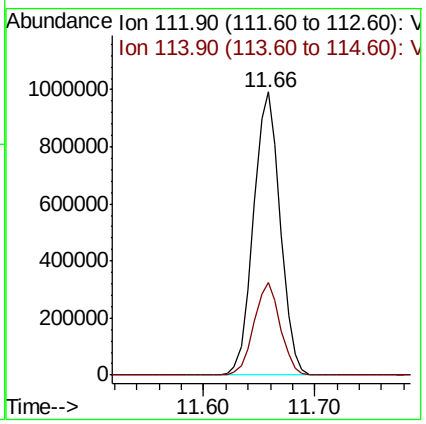


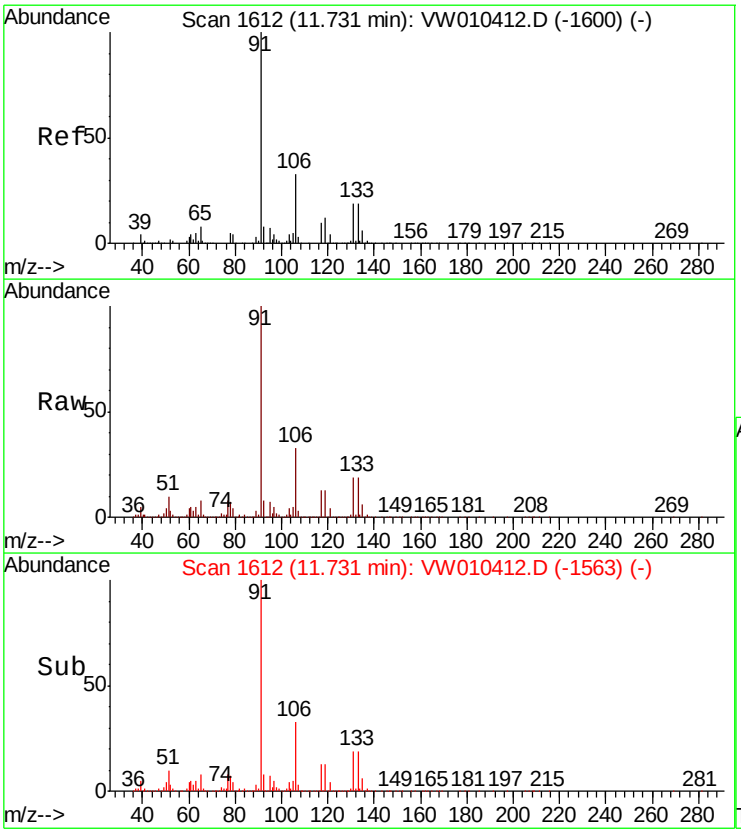

#65
Chlorobenzene
Concen: 48.640 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:112 Resp: 1659341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 26.1 | 39.1 |

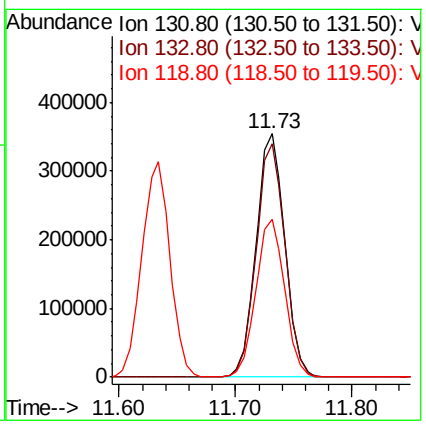


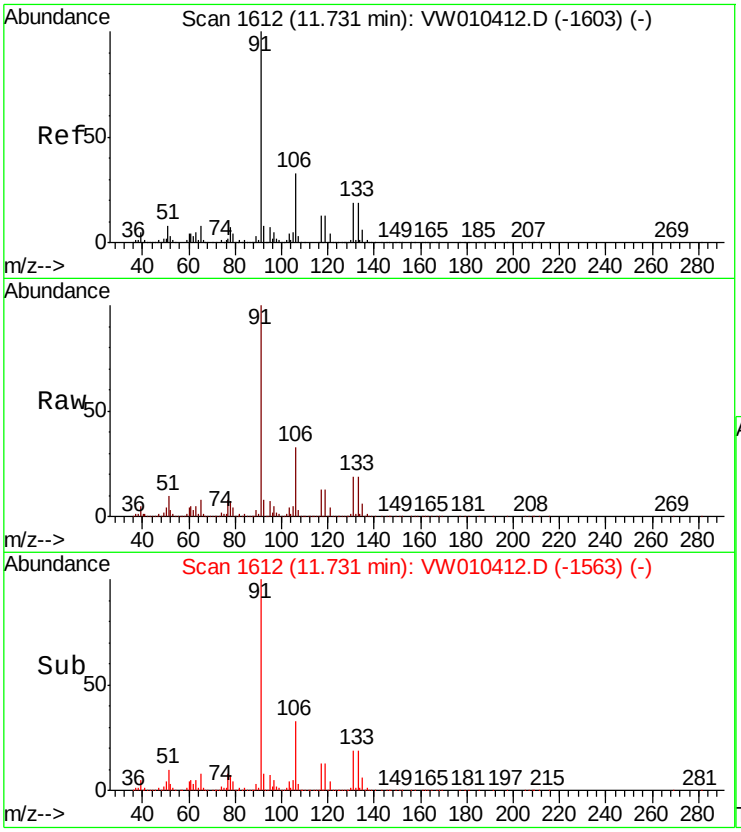




#66
1,1,1,2-Tetrachloroethane
Concen: 52.094 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:131 Resp: 608381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.0 | 48.0 | 144.0 |
| 119 | 64.7 | 32.4 | 97.0 |



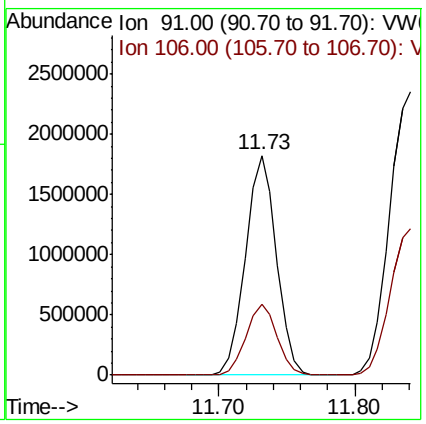


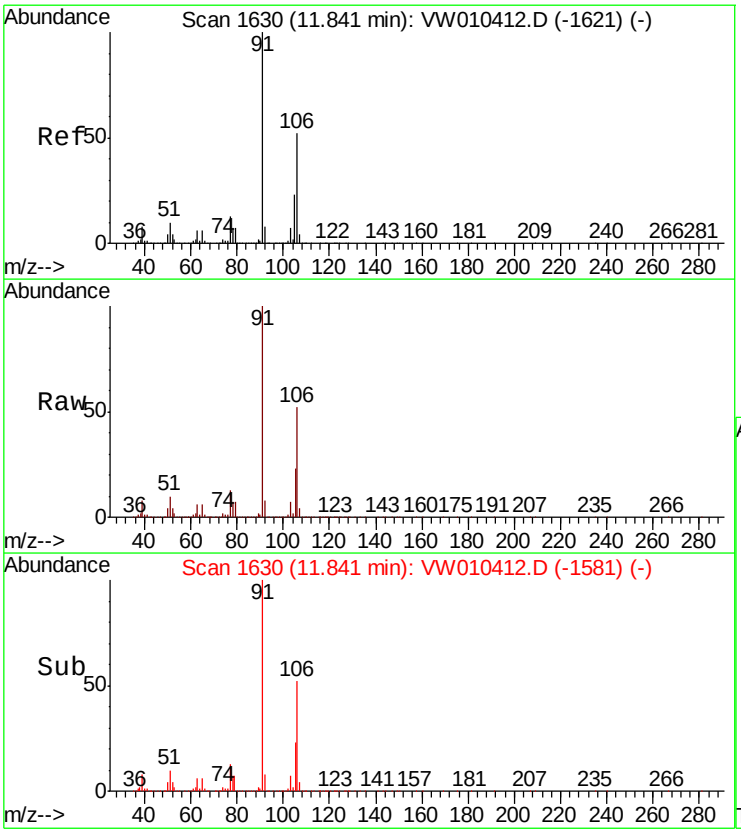

#67
Ethyl Benzene
Concen: 47.039 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 91 Resp: 2909897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.5 | 26.0 | 39.0 |

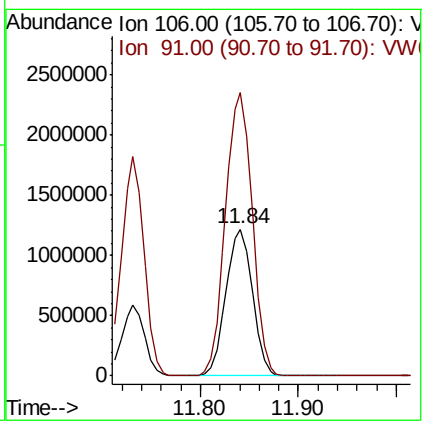


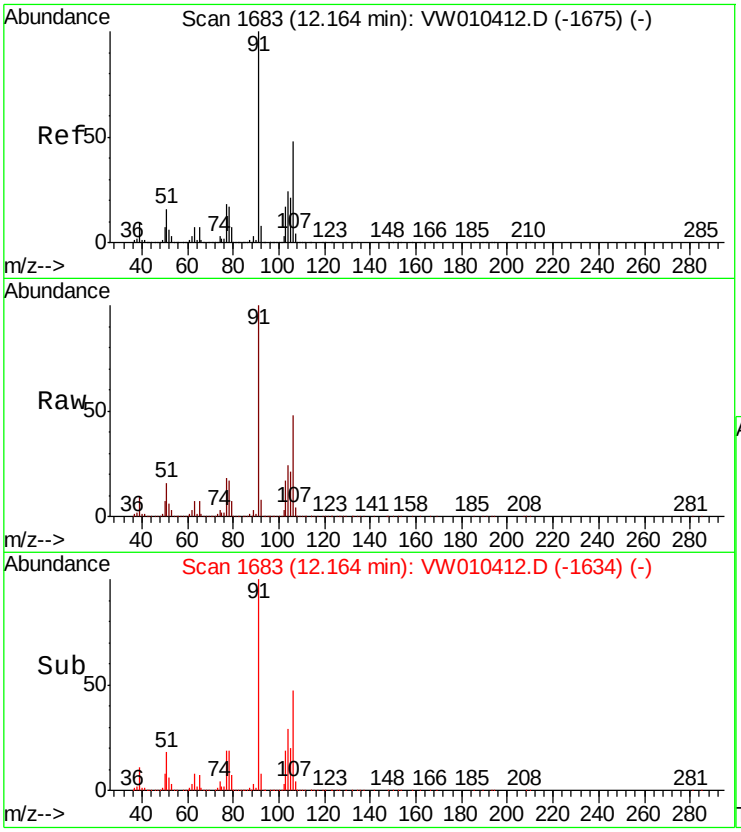




#68
m/p-Xylenes
Concen: 98.926 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:106 Resp: 2293961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 195.2 | 156.2 | 234.2 |



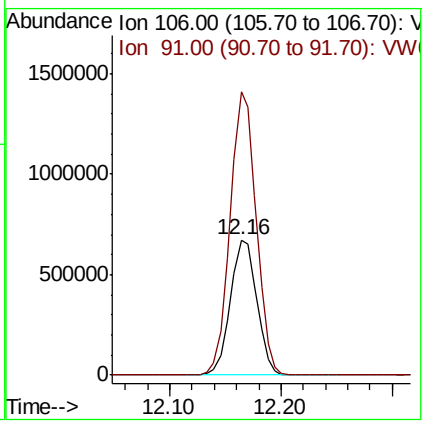


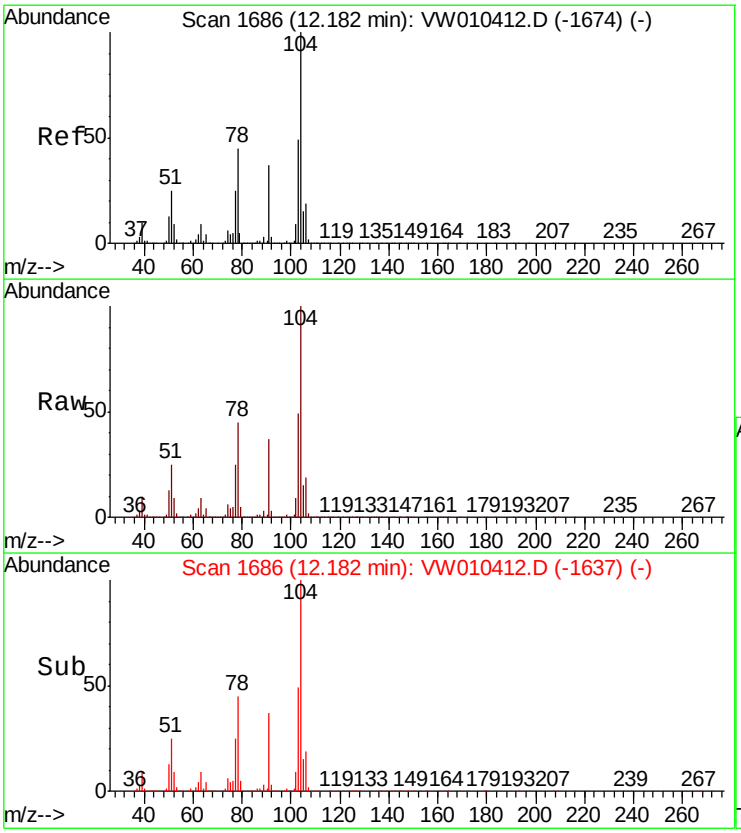

#69
o-Xylene
Concen: 52.231 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:106 Resp: 1106240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.5 | 102.8 | 308.3 |

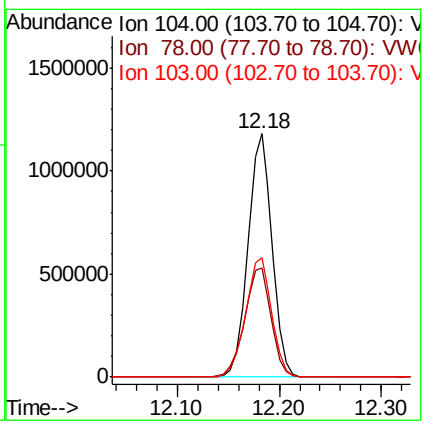


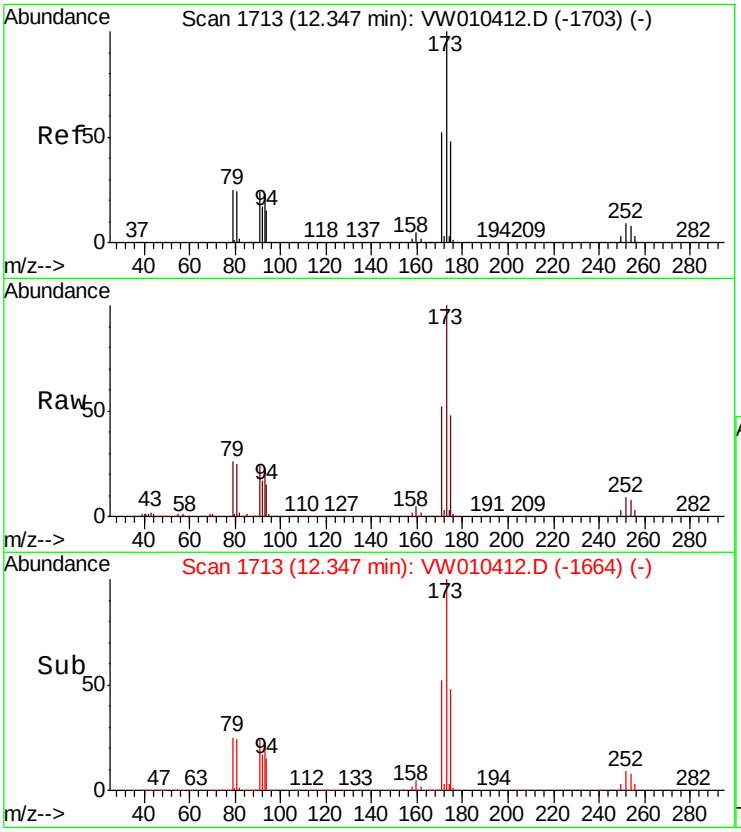




#70
Styrene
Concen: 52.655 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:104 Resp: 1940325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.3 | 39.4 | 59.2 |
| 103 | 53.3 | 42.6 | 64.0 |



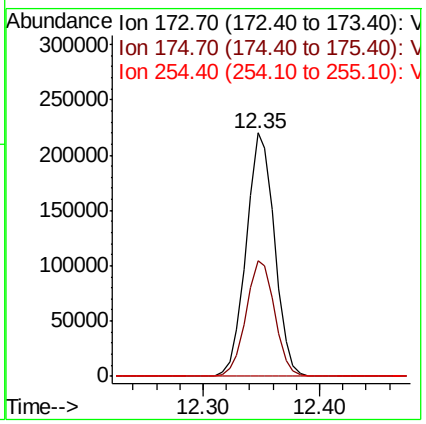


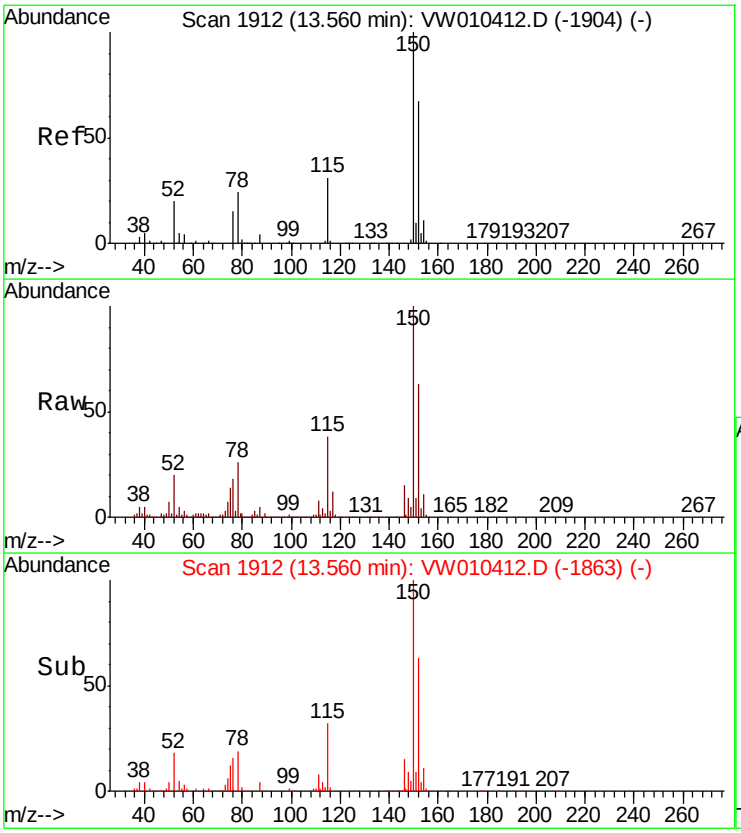

#71
Bromoform
Concen: 55.275 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:173 Resp: 373464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.1 | 72.2 |
| 254 | 0.2 | 0.2 | 0.2 |

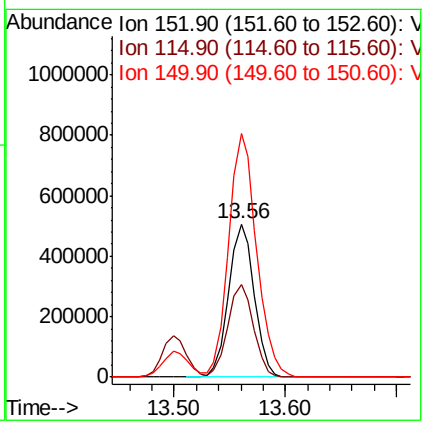


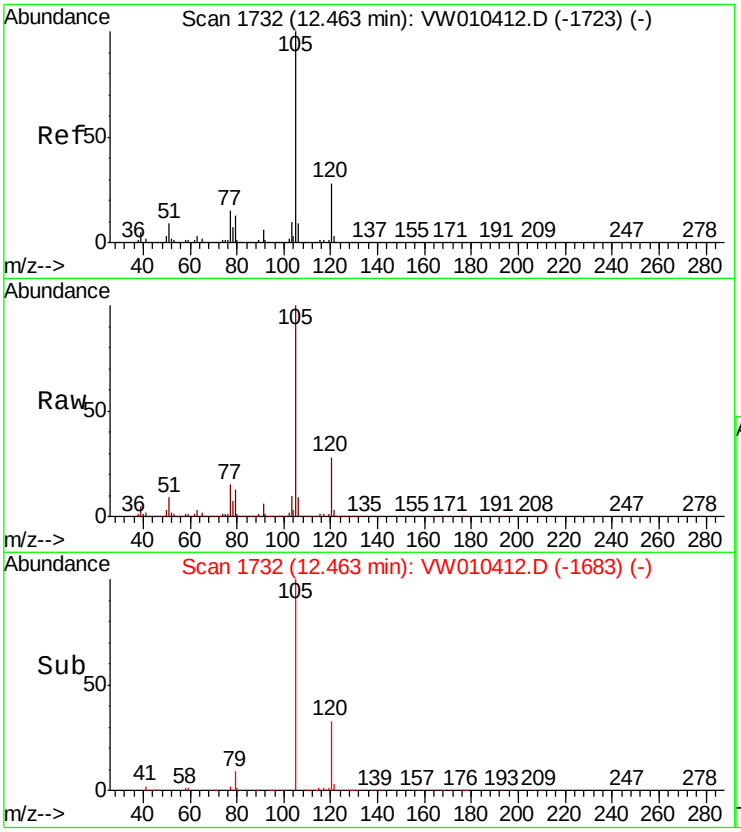




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:152 Resp: 803975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 30.2 | 90.6 |
| 150 | 174.0 | 0.0 | 348.0 |



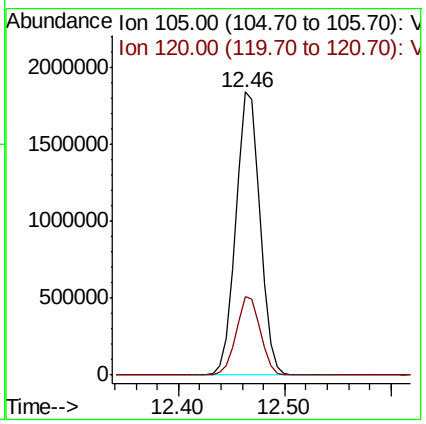


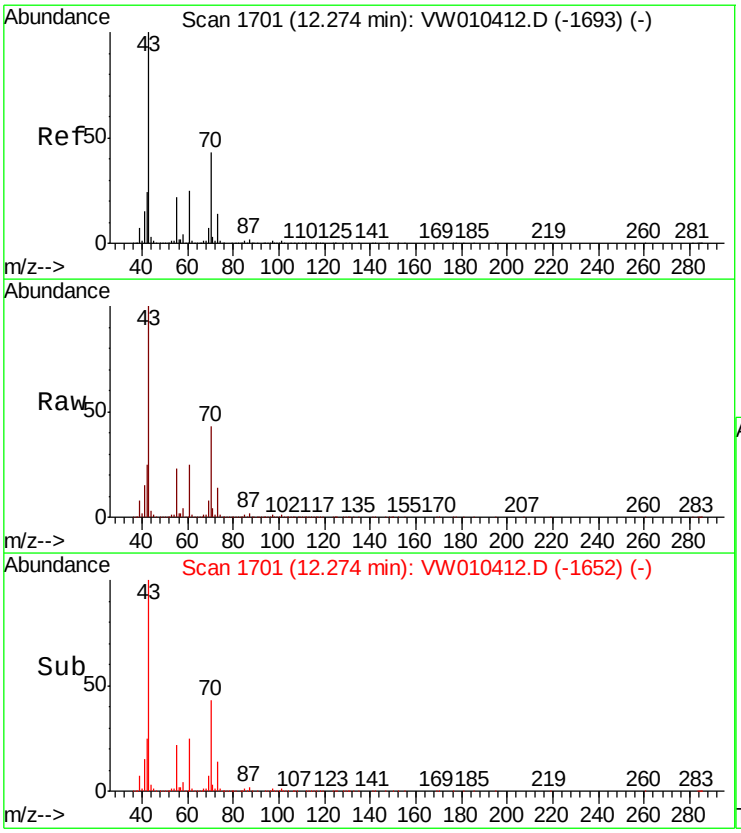

#73
Isopropylbenzene
Concen: 50.398 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:105 Resp: 2936942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.4 | 13.7 | 41.1 |

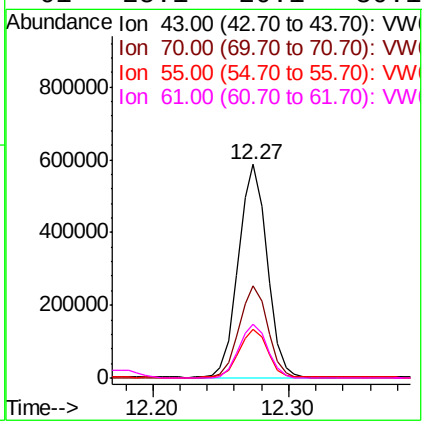


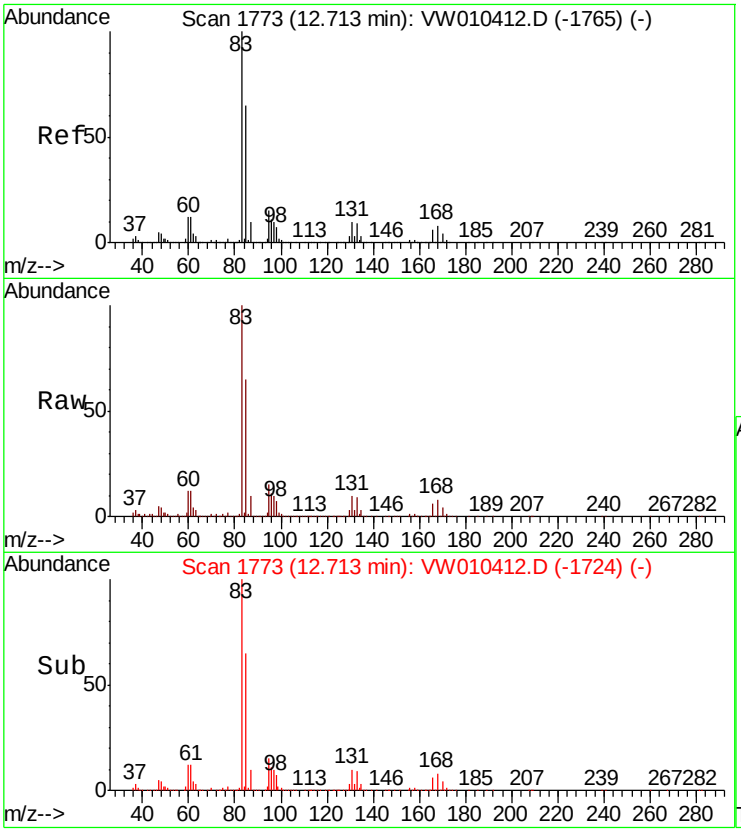




#74
N-amyl acetate
Concen: 56.093 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 43 Resp: 863443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 43.2 | 34.6 | 51.8 |
| 55 | 22.3 | 17.8 | 26.8 |
| 61 | 25.1 | 20.1 | 30.1 |



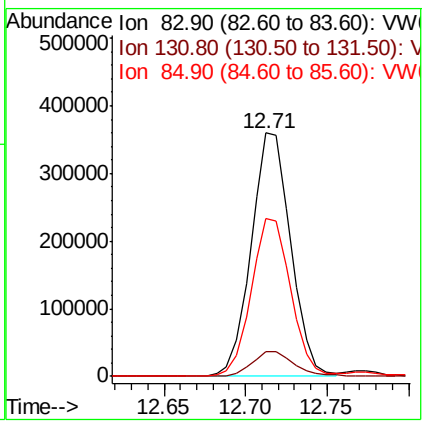


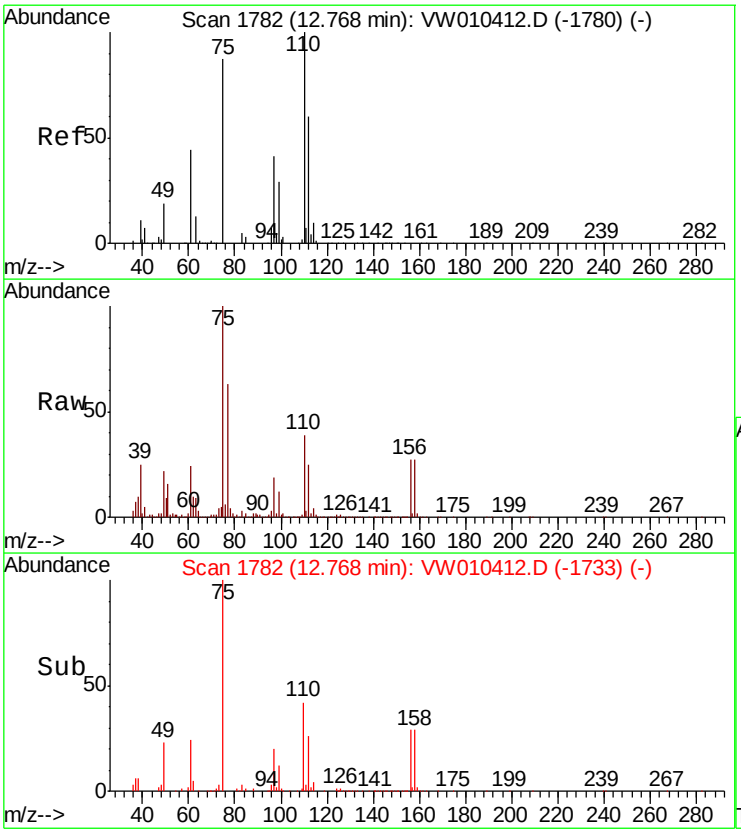

#75
1,1,2,2-Tetrachloroethane
Concen: 46.907 ug/l
RT: 12.71 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 83 Resp: 600067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.8 | 5.4 | 16.2 |
| 85 | 64.7 | 32.4 | 97.0 |

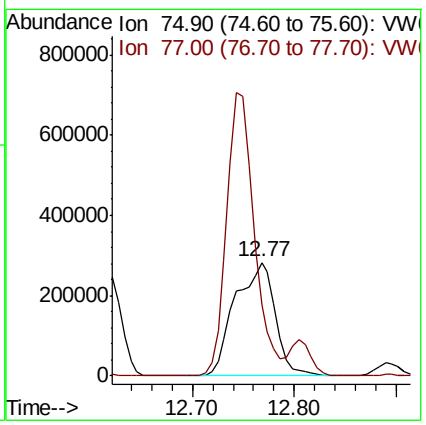


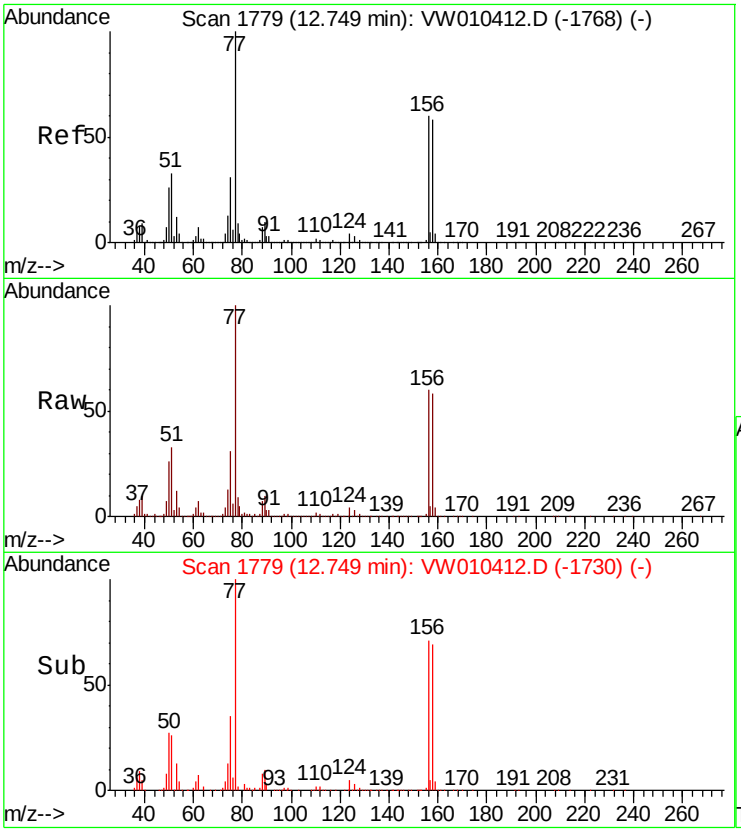




#76
1,2,3-Trichloropropane
Concen: 83.944 ug/l
RT: 12.77 min Scan# 1782
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 75 Resp: 772288

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



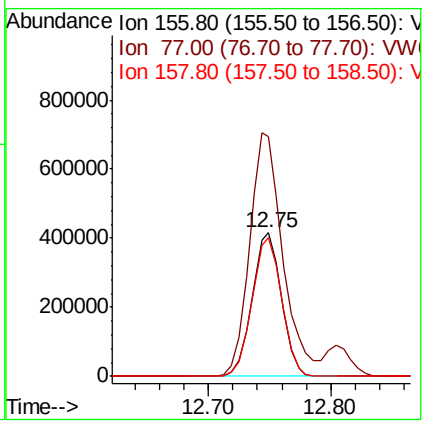


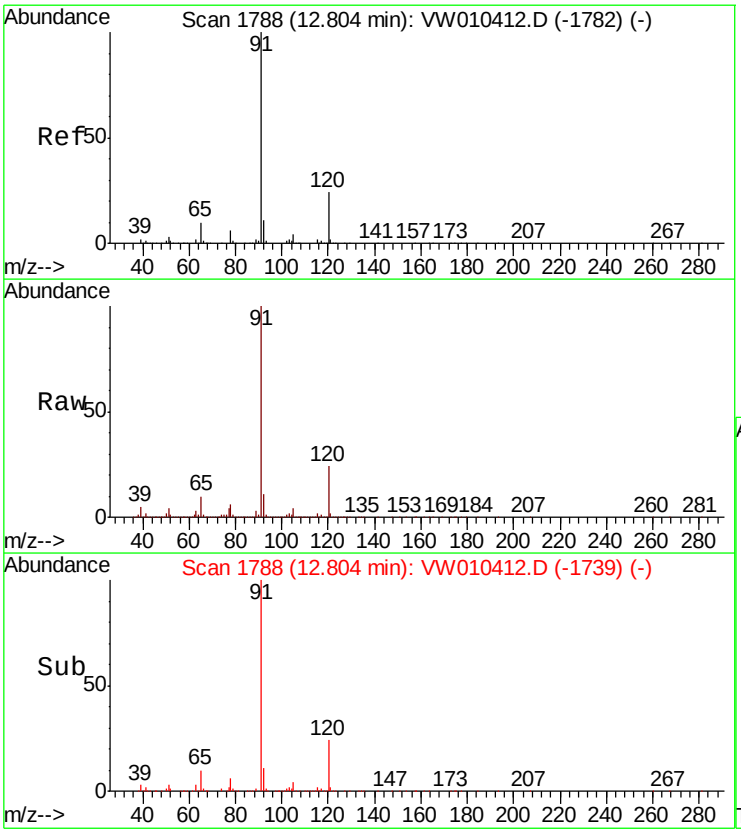

#77
Bromobenzene
Concen: 51.787 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:156 Resp: 691712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 190.8 | 95.4 | 286.2 |
| 158 | 98.0 | 49.0 | 147.0 |

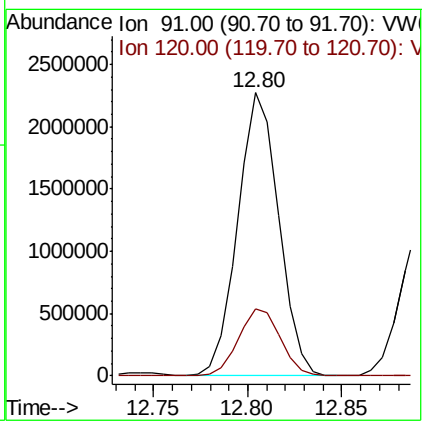


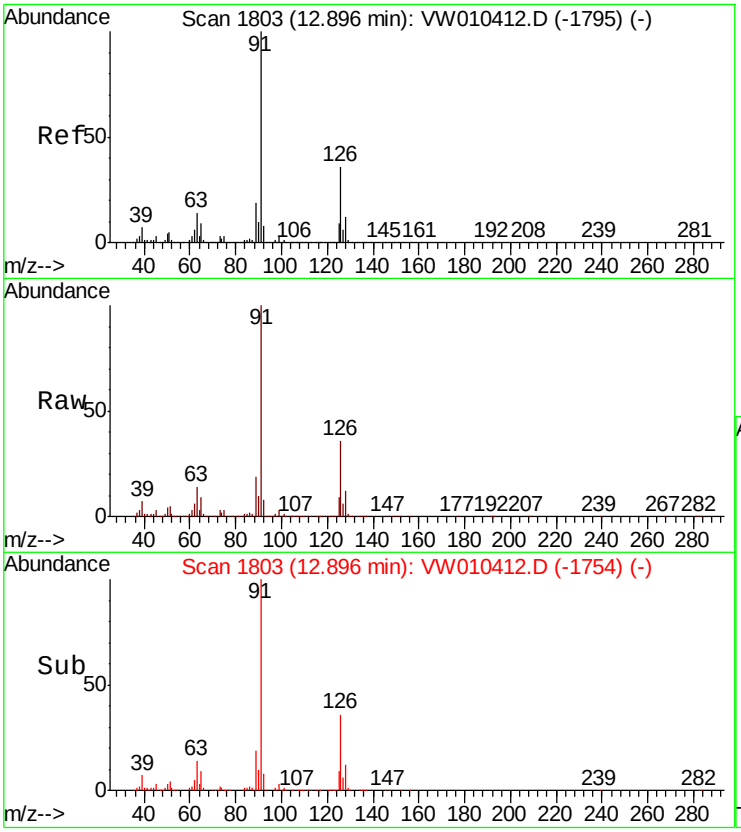




#78
n-propylbenzene
Concen: 48.056 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 91 Resp: 3426445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 24.2 | 12.1 | 36.3 |



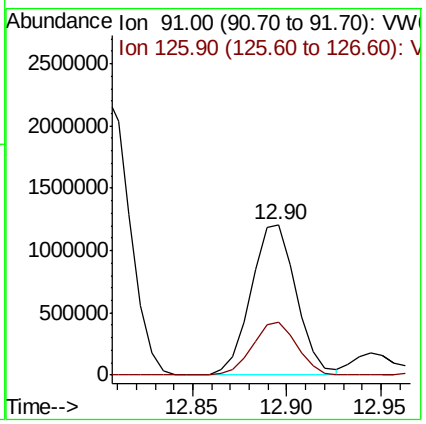


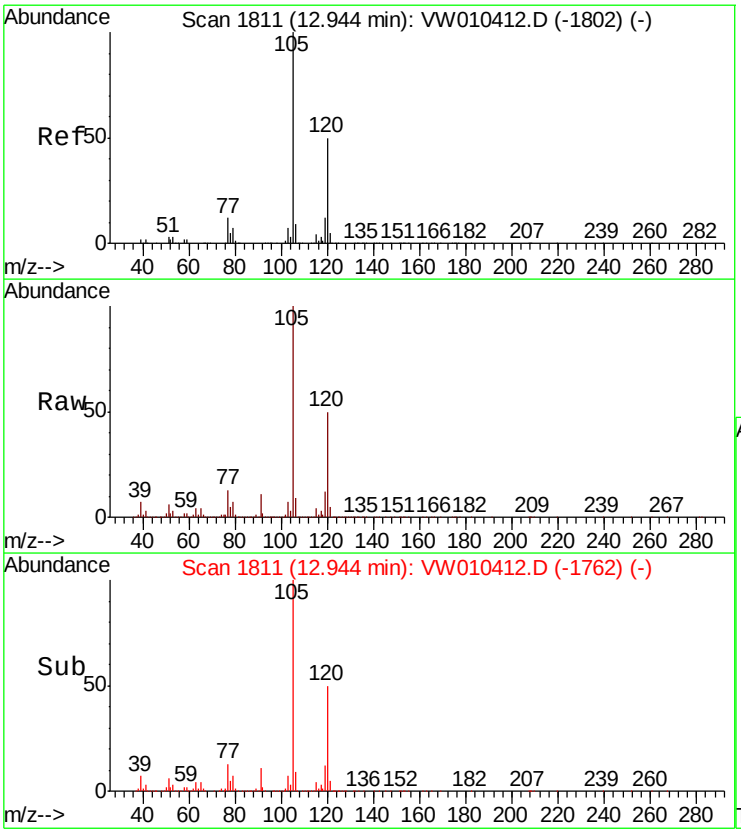

#79
2-Chlorotoluene
Concen: 48.991 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 91 Resp: 2010490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.6 | 17.3 | 51.9 |

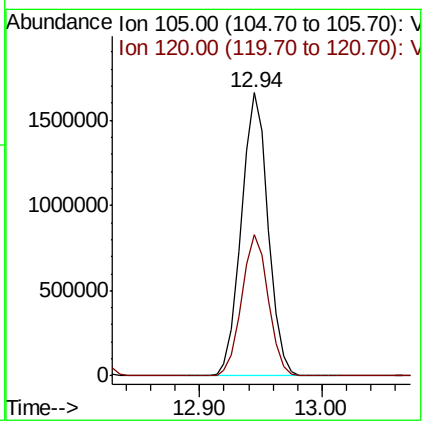


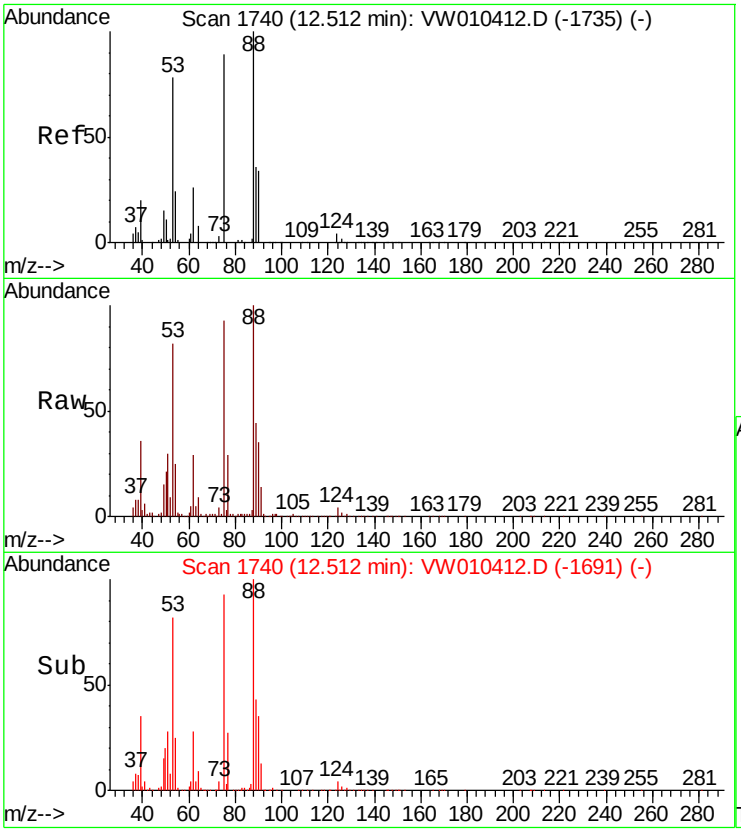




#80
1,3,5-Trimethylbenzene
Concen: 51.049 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:105 Resp: 2515376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.7 | 24.9 | 74.6 |



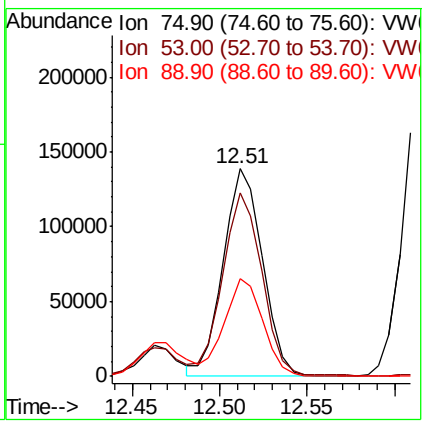


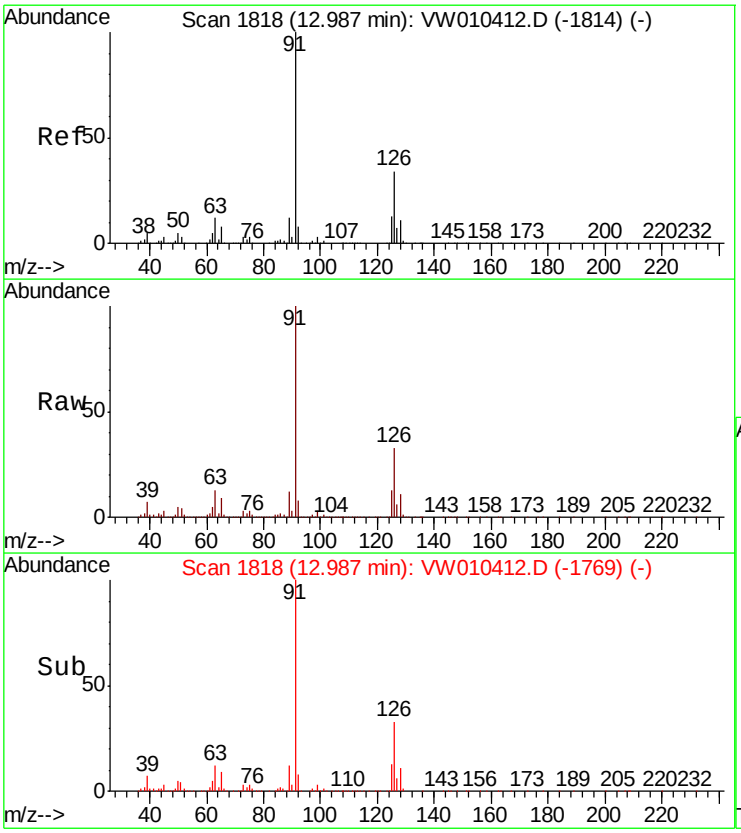

#81
trans-1,4-Dichloro-2-butene
Concen: 51.607 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 75 Resp: 214881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 88.8 | 71.0 | 106.6 |
| 89 | 46.8 | 37.4 | 56.2 |

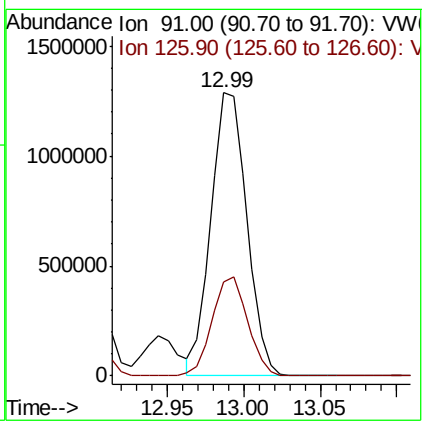


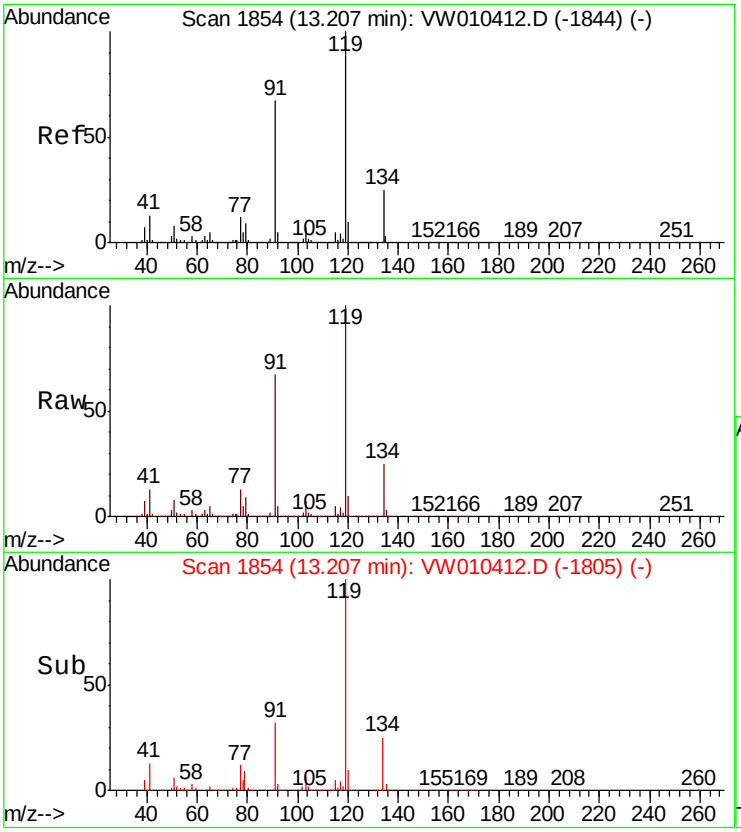




#82
4-Chlorotoluene
Concen: 48.841 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 91 Resp: 2098069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.4 | 17.2 | 51.6 |



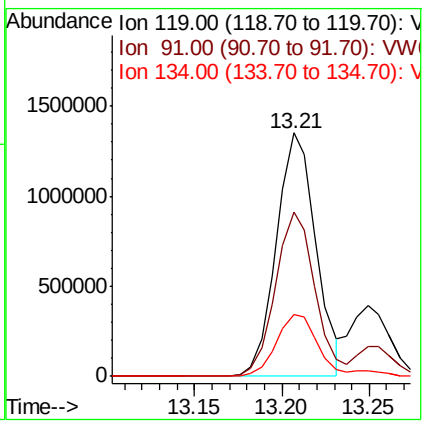


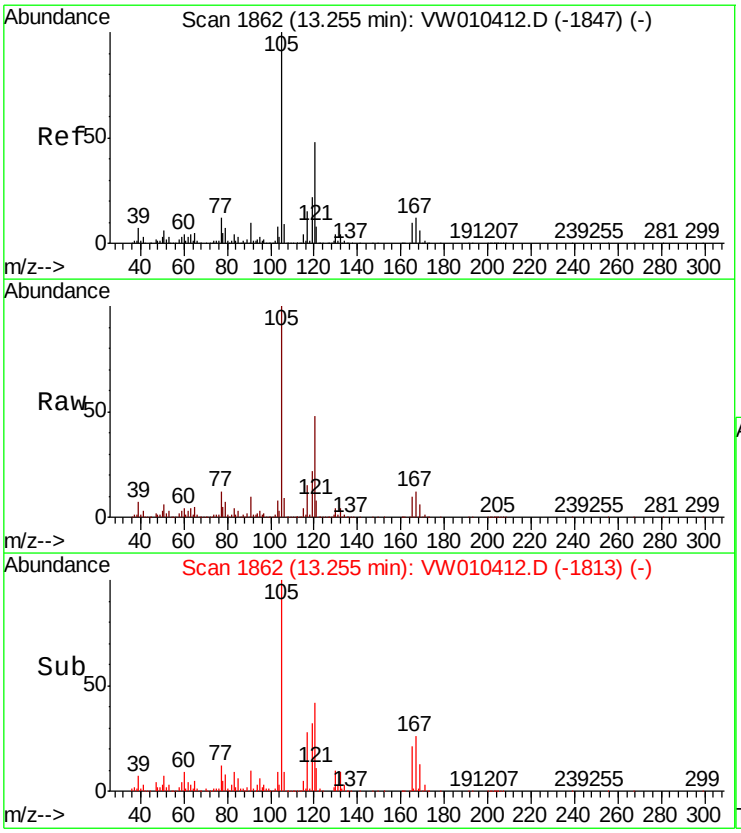

#83
tert-Butylbenzene
Concen: 51.841 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:119 Resp: 2138518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 67.6 | 33.8 | 101.4 |
| 134 | 27.7 | 13.9 | 41.6 |

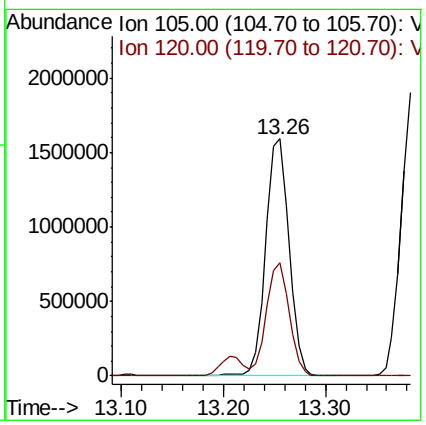


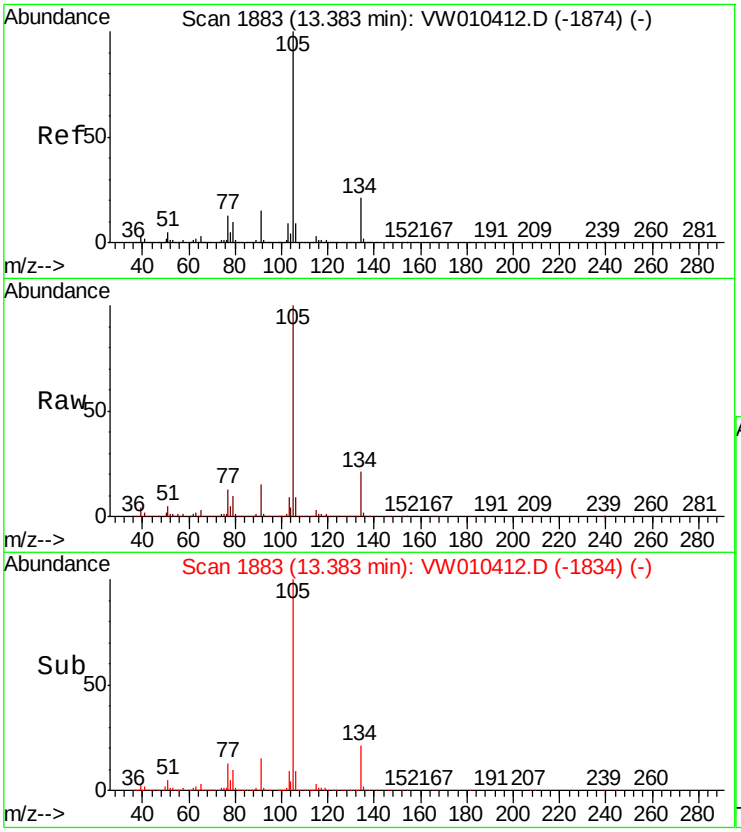




#84
1,2,4-Trimethylbenzene
Concen: 51.371 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:105 Resp: 2520399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.4 | 70.0 |



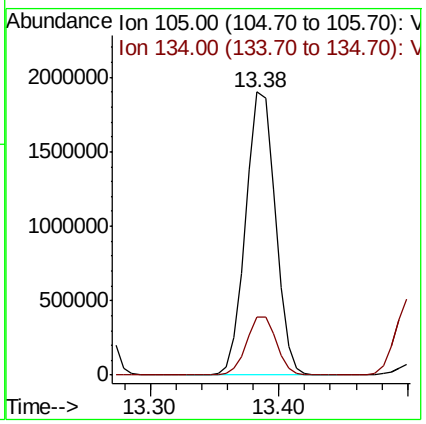


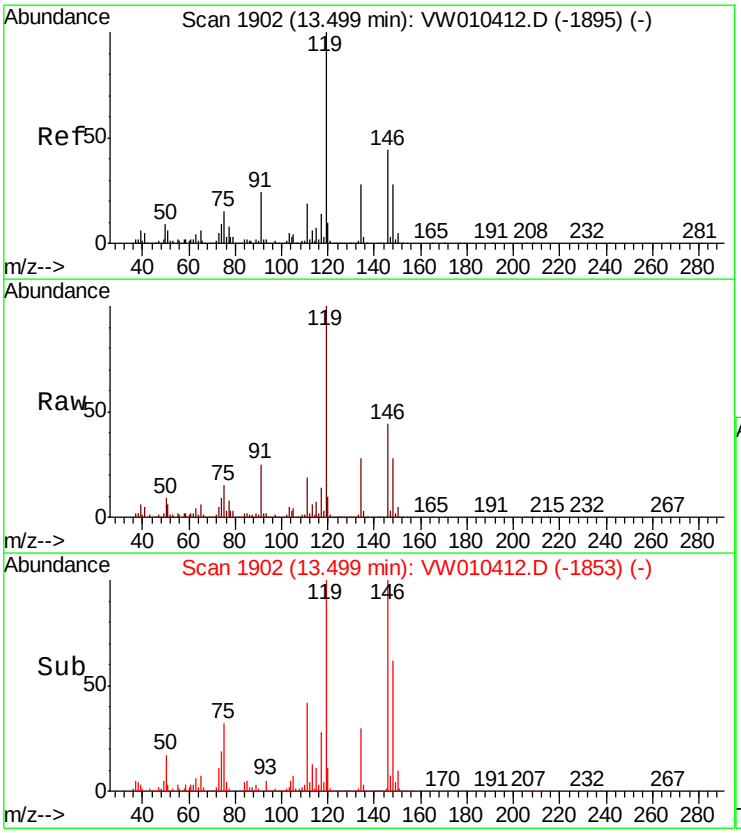

#85
sec-Butylbenzene
Concen: 49.899 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:105 Resp: 3011616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.7 | 10.4 | 31.1 |

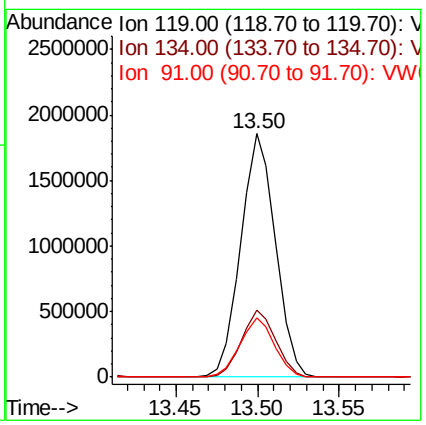


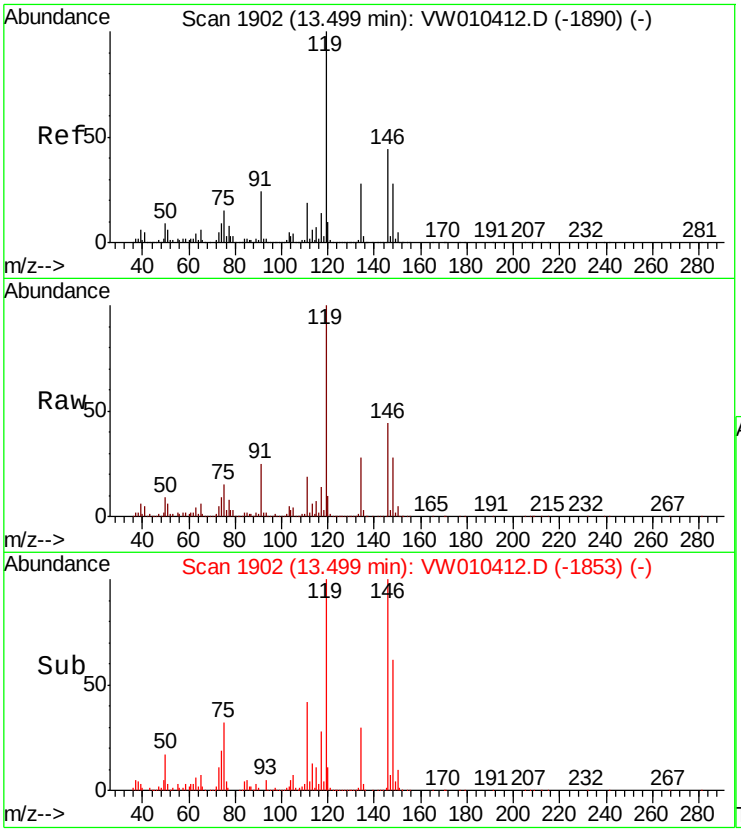




#86
p-Isopropyltoluene
Concen: 51.067 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:119 Resp: 2742308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.2 | 13.6 | 40.8 |
| 91 | 24.3 | 12.2 | 36.4 |



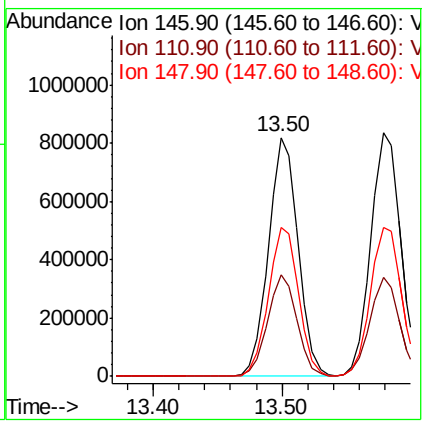


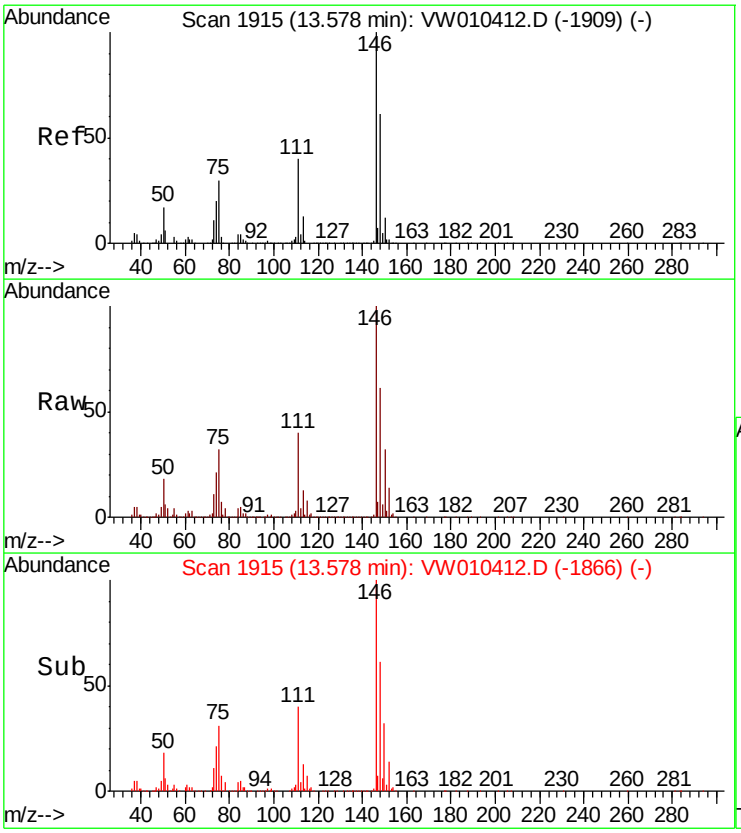

#87
1,3-Dichlorobenzene
Concen: 49.754 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:146 Resp: 1315075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.0 | 63.0 |
| 148 | 63.4 | 31.7 | 95.1 |

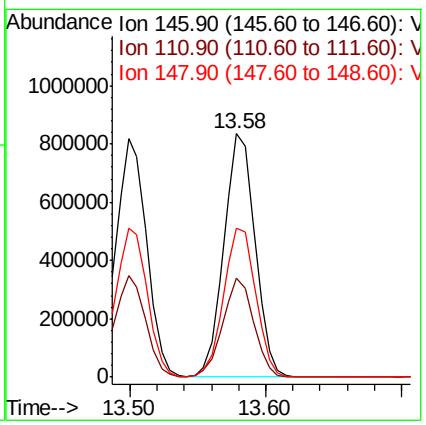


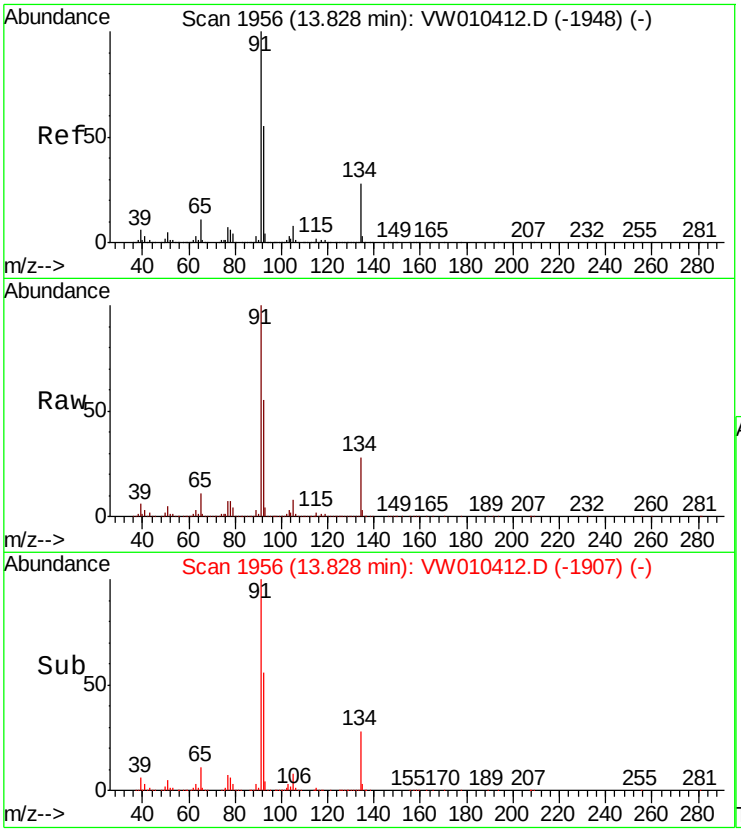




#88
1,4-Dichlorobenzene
Concen: 50.360 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:146 Resp: 1327256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.3 | 20.2 | 60.5 |
| 148 | 63.1 | 31.6 | 94.7 |



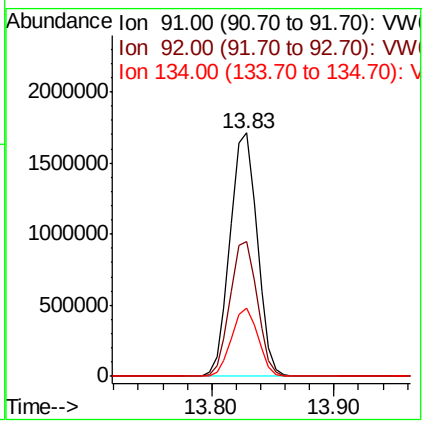


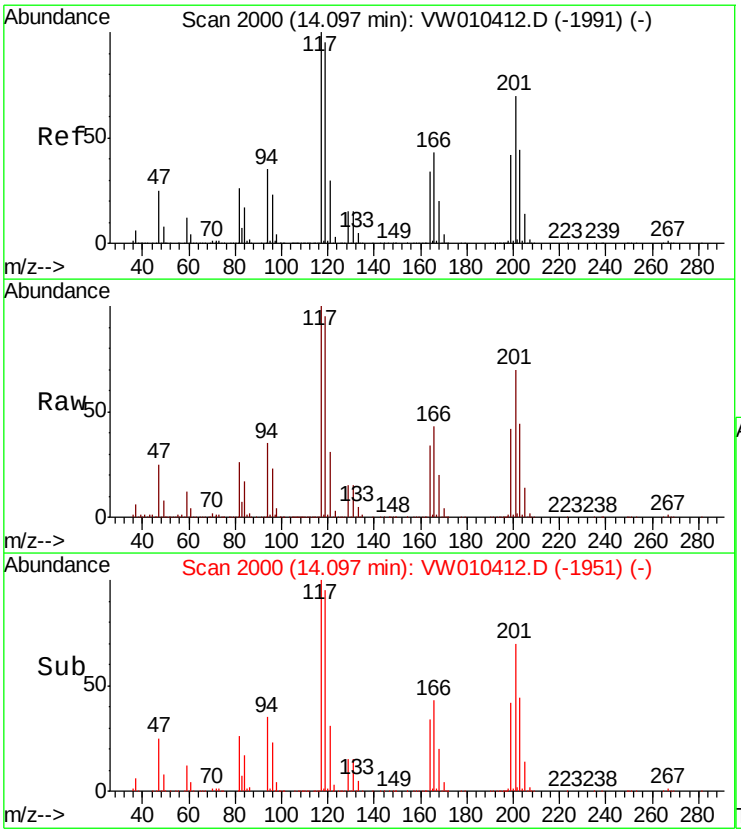

#89
n-Butylbenzene
Concen: 49.002 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion: 91 Resp: 2619290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.7 | 27.9 | 83.6 |
| 134 | 27.6 | 13.8 | 41.4 |

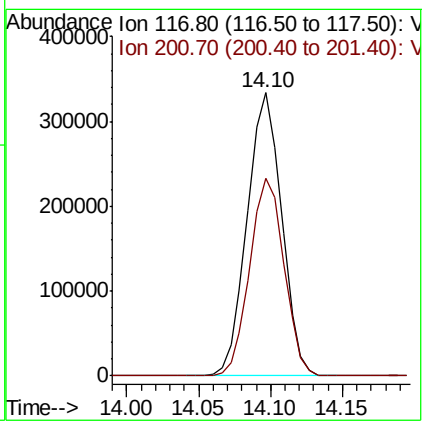


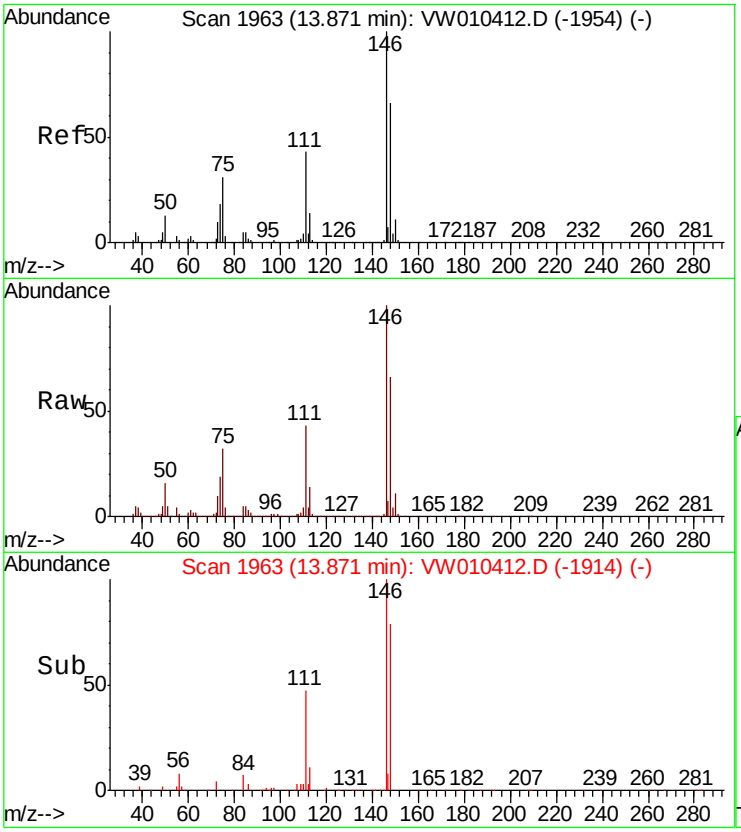




#90
Hexachloroethane
Concen: 54.136 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:117 Resp: 551651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 69.7 | 34.8 | 104.5 |



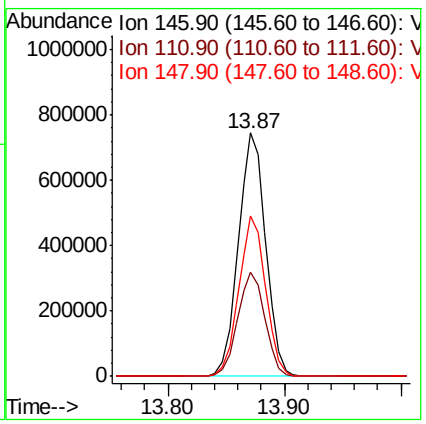


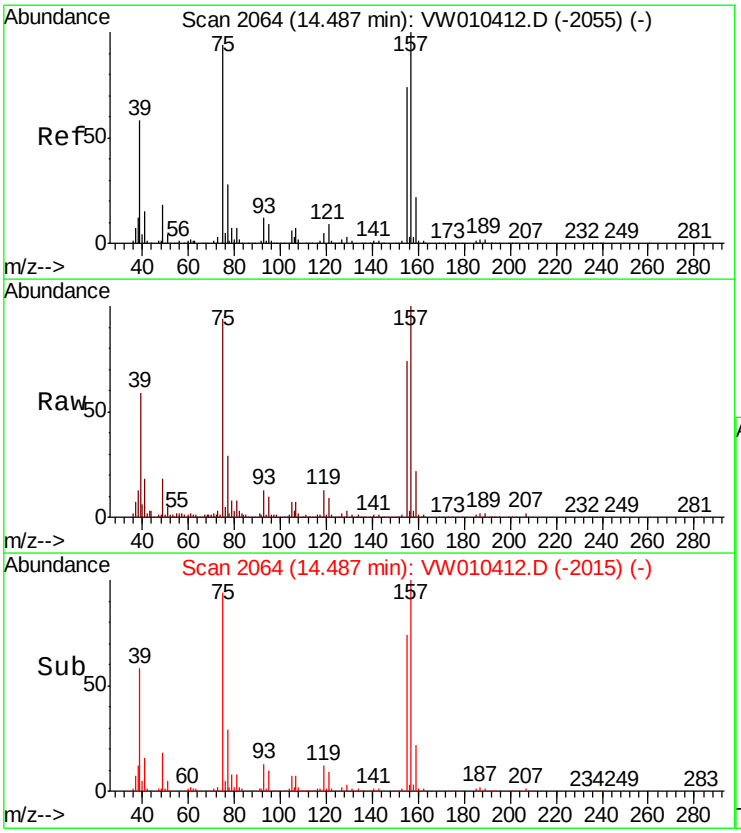

#91
1,2-Dichlorobenzene
Concen: 51.496 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:146 Resp: 1214542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.4 | 64.3 |
| 148 | 64.7 | 32.4 | 97.0 |

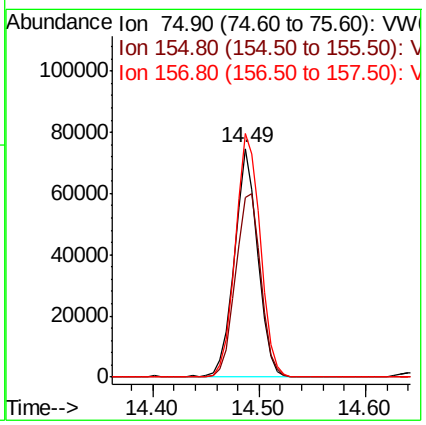


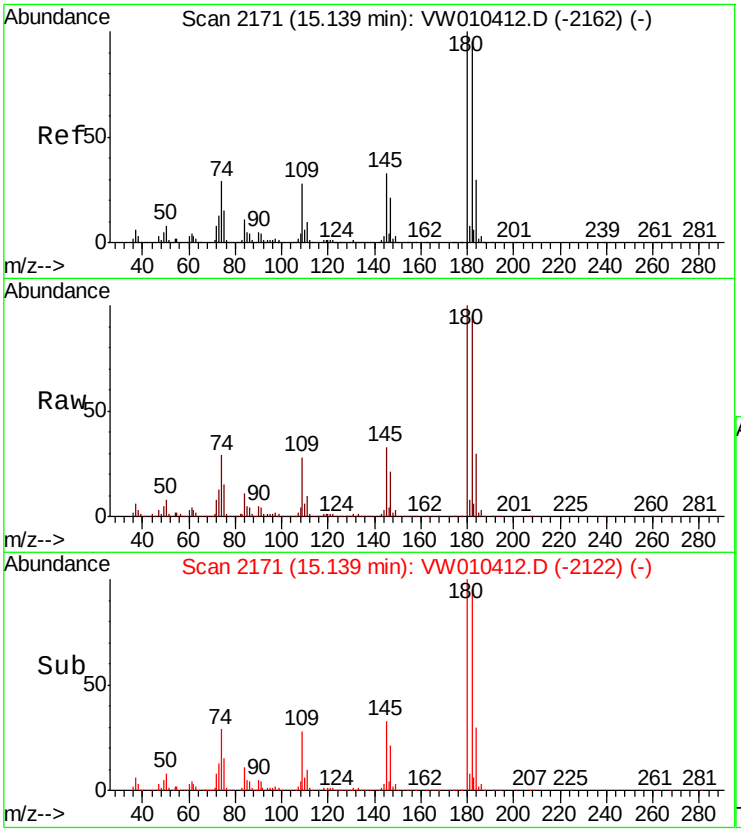




#92
1,2-Dibromo-3-Chloropropane
Concen: 49.417 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion: 75 Resp: 115066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 87.3 | 43.6 | 130.9 |
| 157 | 113.8 | 56.9 | 170.7 |



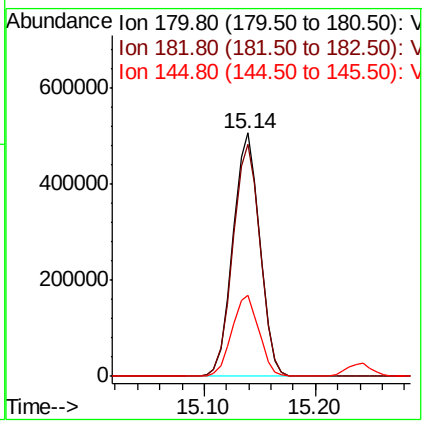


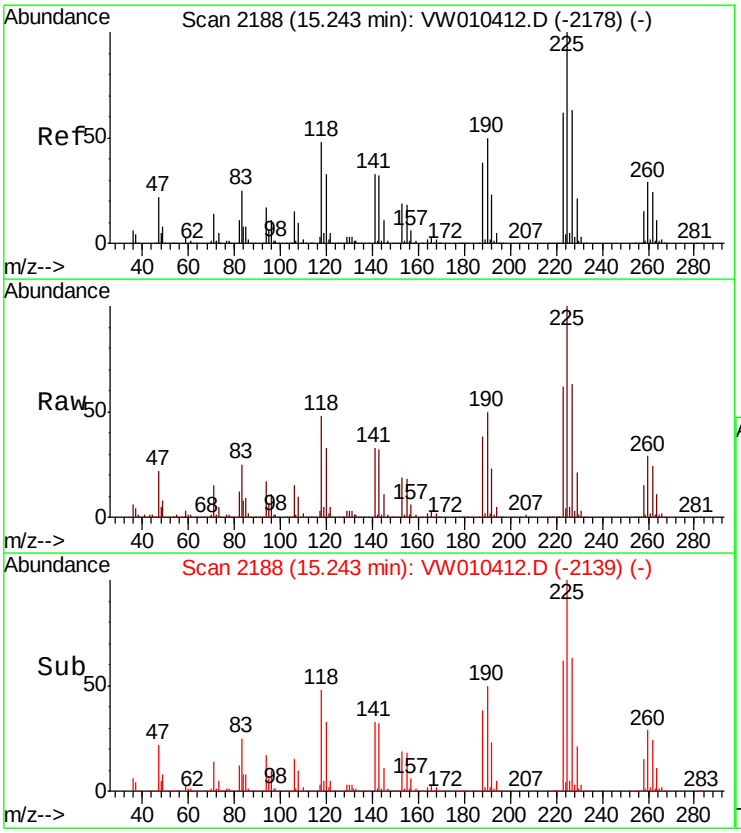

#93
1,2,4-Trichlorobenzene
Concen: 52.711 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:180 Resp: 844753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 48.2 | 144.6 |
| 145 | 33.5 | 16.8 | 50.3 |

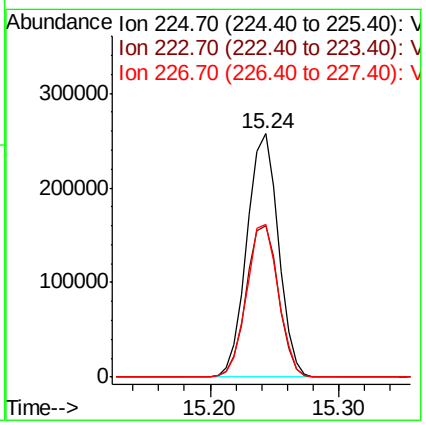


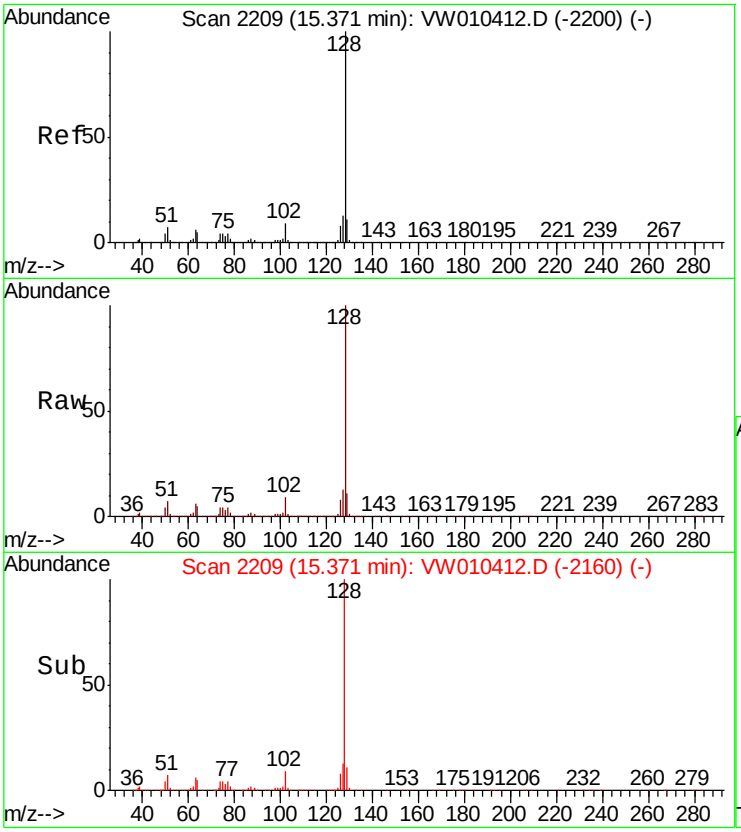




#94
Hexachlorobutadiene
Concen: 43.538 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:225 Resp: 433178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 31.8 | 95.3 |
| 227 | 63.3 | 31.6 | 95.0 |



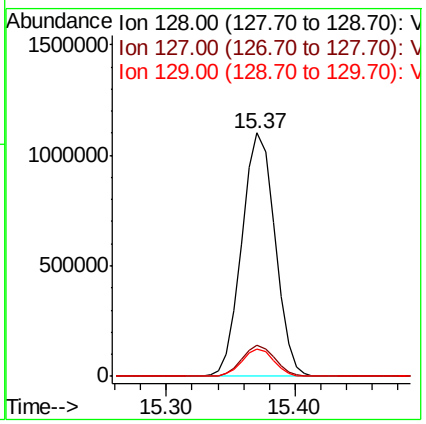


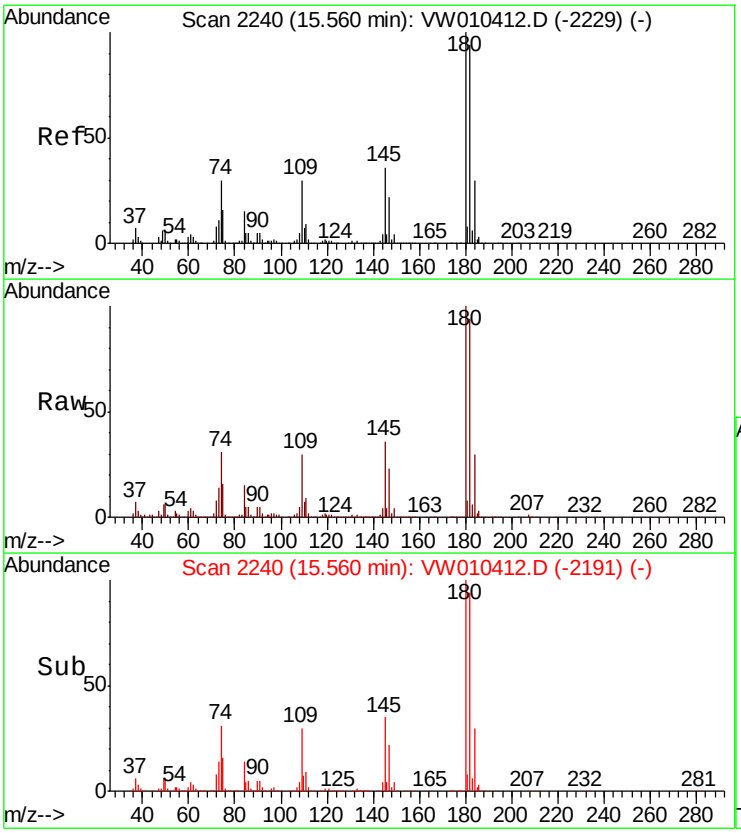

#95
Naphthalene
Concen: 58.742 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

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

Tgt Ion:128 Resp: 1959888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.4 |
| 129 | 11.0 | 8.8 | 13.2 |




#96
1,2,3-Trichlorobenzene
Concen: 52.812 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010412.D
Acq: 16 May 2019 20:02

Tgt Ion:180 Resp: 766831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 47.3 | 141.9 |
| 145 | 35.2 | 17.6 | 52.8 |