Data Path : W:\HPCHEM1\MSVOA_L\Data\VL051618\

Quantitation Report (Not Reviewed)

Data File : VL032014.D
Acq On : 17 May 2018 10:09
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Quant Time: May 17 14:31:09 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.88 | 49 | 1225065 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.42 | 114 | 2497717 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.38 | 117 | 3170510 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.72 | 95 | 1989350 | 8.09 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 80.90% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.15 | 85 | 1193275 | 7.37 | ppbv | | 97 |
| 3) Chlorodifluoromethane | 3.09 | 51 | 906359 | 7.86 | ppbv | | 97 |
| 4) Chloromethane | 3.25 | 50 | 565211 | 9.31 | ppbv | | 98 |
| 5) Vinyl Chloride | 3.37 | 62 | 587049 | 8.57 | ppbv | | 95 |
| 6) Bromomethane | 3.60 | 94 | 414046 | 9.28 | ppbv | | 97 |
| 7) Chloroethane | 3.68 | 64 | 249783 | 9.58 | ppbv | | 91 |
| 8) Dichlorotetrafluoroethane | 3.30 | 85 | 1466205 | 9.10 | ppbv | | 97 |
| 9) Propene | 3.11 | 41 | 410888 | 9.73 | ppbv | | 99 |
| 10) Heptane | 8.38 | 43 | 1426730 | 9.82 | ppbv | | 98 |
| 11) Trichlorofluoromethane | 4.10 | 101 | 1771624 | 9.07 | ppbv | | 98 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.65 | 101 | 1382563 | 10.05 | ppbv | | 96 |
| 13) Ethanol | 3.73 | 45 | 131655 | 8.35 | ppbv | # | 100 |
| 14) Bromoethene | 3.88 | 108 | 478827 | 9.41 | ppbv | | 99 |
| 15) Acetone | 3.99 | 43 | 1267796 | 7.32 | ppbv | | 99 |
| 16) 1,3-Butadiene | 3.45 | 39 | 520642 | 9.35 | ppbv | | 93 |
| 17) tert-Butyl alcohol | 4.45 | 59 | 597458 | 8.34 | ppbv | | 100 |
| 18) 1,1-Dichloroethene | 4.45 | 96 | 624870 | 10.36 | ppbv | | 98 |
| 19) Isopropyl Alcohol | 4.12 | 45 | 515835 | 5.51 | ppbv | # | 97 |
| 20) Methylene Chloride | 4.51 | 84 | 579637 | 9.92 | ppbv | | 99 |
| 21) Allyl Chloride | 4.58 | 41 | 971268 | 9.84 | ppbv | | 99 |
| 22) trans-1,2-Dichloroethene | 5.07 | 96 | 680486 | 10.16 | ppbv | | 97 |
| 23) Vinyl Acetate | 5.26 | 43 | 1963685 | 9.92 | ppbv | | 99 |
| 24) 1,1-Dichloroethane | 5.20 | 63 | 1777492 | 9.63 | ppbv | | 99 |
| 25) Ethyl Acetate | 5.88 | 43 | 2684464 | 9.03 | ppbv | | 100 |
| 26) Hexane | 5.89 | 57 | 1286893 | 9.21 | ppbv | | 98 |
| 27) Carbon Disulfide | 4.72 | 76 | 1695455 | 10.83 | ppbv | | 99 |
| 28) Methyl tert-Butyl Ether | 5.22 | 73 | 1699644 | 9.89 | ppbv | | 99 |
| 29) Chloroform | 5.96 | 83 | 2034791 | 9.20 | ppbv | | 98 |
| 30) Cyclohexane | 7.38 | 84 | 878986 | 9.44 | ppbv | | 99 |
| 31) cis-1,2-Dichloroethene | 5.76 | 61 | 1253950 | 9.81 | ppbv | | 99 |
| 32) 1,1,1-Trichloroethane | 6.74 | 97 | 1740033 | 8.54 | ppbv | | 99 |
| 34) 2-Butanone | 5.44 | 43 | 1865182 | 9.05 | ppbv | | 99 |
| 35) Carbon Tetrachloride | 7.26 | 117 | 1839667 | 9.29 | ppbv | | 100 |
| 36) Benzene | 7.13 | 78 | 2218147 | 9.43 | ppbv | | 96 |
| 37) 1,2-Dichloroethane | 6.53 | 62 | 1430683 | 8.46 | ppbv | | 99 |
| 38) Trichloroethene | 8.09 | 130 | 906273 | 10.14 | ppbv | | 99 |
| 39) 1,2-Dichloropropane | 7.86 | 63 | 801535 | 9.79 | ppbv | | 96 |
| 40) 1,4-Dioxane | 8.08 | 88 | 354385 | 9.60 | ppbv | | 96 |
| 41) Tetrahydrofuran | 6.26 | 42 | 769064 | 8.57 | ppbv | | 99 |
| 42) Bromodichloromethane | 8.05 | 83 | 1876585 | 9.95 | ppbv | | 95 |
| 43) Methyl Methacrylate | 8.26 | 69 | 803685 | 10.14 | ppbv | | 99 |

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL051618\

Quantitation Report (Not Reviewed)

Data File : VL032014.D
Acq On : 17 May 2018 10:09
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Quant Time: May 17 14:31:09 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 8.12 | 57 | 3692627 | 9.73 | ppbv | | 99 |
| 45) t-1,3-Dichloropropene | 9.55 | 75 | 1148305 | 10.93 | ppbv | | 100 |
| 46) cis-1,3-Dichloropropene | 8.97 | 75 | 1381287 | 10.65 | ppbv | | 99 |
| 47) 1,1,2-Trichloroethane | 9.75 | 97 | 925988 | 9.56 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.59 | 129 | 1593513 | 10.25 | ppbv | | 100 |
| 49) Bromoform | 13.35 | 173 | 1310176 | 10.87 | ppbv | | 100 |
| 50) 4-Methyl-2-Pentanone | 9.00 | 43 | 1893424 | 9.73 | ppbv | | 99 |
| 51) 2-Hexanone | 10.40 | 43 | 1764531 | 9.96 | ppbv | # | 100 |
| 52) Tetrachloroethene | 11.51 | 164 | 840707 | 9.65 | ppbv | | 97 |
| 53) Toluene | 10.08 | 91 | 2587696 | 10.20 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.90 | 107 | 1414213 | 9.79 | ppbv | | 96 |
| 56) 1,1,1,2-Tetrachloroethane | 12.42 | 131 | 1091017 | 7.56 | ppbv | | 98 |
| 57) Chlorobenzene | 12.44 | 112 | 2040997 | 7.46 | ppbv | | 98 |
| 58) Ethyl Benzene | 13.00 | 91 | 3732327 | 8.22 | ppbv | | 99 |
| 59) m/p-Xylene | 13.29 | 91 | 3005604 | 7.80 | ppbv | # | 28 |
| 60) o-Xylene | 13.99 | 91 | 3145960 | 8.14 | ppbv | | 100 |
| 61) Styrene | 13.83 | 104 | 722424 | 9.22 | ppbv | | 99 |
| 62) Isopropylbenzene | 14.96 | 105 | 3998895 | 8.09 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.98 | 83 | 2128288 | 7.75 | ppbv | | 100 |
| 64) n-propylbenzene | 15.86 | 120 | 1052811 | 8.50 | ppbv | | 97 |
| 65) tert-Butylbenzene | 17.05 | 119 | 3561693 | 8.08 | ppbv | | 100 |
| 66) Benzyl Chloride | 17.30 | 91 | 436313 | 10.90 | ppbv | | 100 |
| 67) sec-Butylbenzene | 17.60 | 105 | 5117051 | 8.36 | ppbv | | 99 |
| 69) p-Isopropyltoluene | 17.95 | 119 | 4270191 | 8.68 | ppbv | | 100 |
| 70) n-Butylbenzene | 18.85 | 91 | 4491246 | 8.83 | ppbv | | 100 |
| 71) 2-Chlorotoluene | 15.76 | 91 | 3101306 | 8.57 | ppbv | | 100 |
| 72) 4-Ethyltoluene | 16.14 | 105 | 3428458 | 8.74 | ppbv | | 100 |
| 73) 1,3,5-Trimethylbenzene | 16.30 | 105 | 3091388 | 8.52 | ppbv | | 98 |
| 74) 1,2,4-Trimethylbenzene | 17.06 | 105 | 3302734 | 8.23 | ppbv | | 97 |
| 75) 1,3-Dichlorobenzene | 17.31 | 146 | 2072345 | 8.37 | ppbv | | 100 |
| 76) 1,4-Dichlorobenzene | 17.45 | 146 | 2079422 | 8.48 | ppbv | | 100 |
| 77) 1,2-Dichlorobenzene | 18.13 | 146 | 2122087 | 8.51 | ppbv | | 100 |
| 78) Hexachloro-1,3-Butadiene | 23.67 | 225 | 1298061 | 11.46 | ppbv | | 100 |
| 79) Naphthalene | 22.57 | 128 | 2901975 | 10.38 | ppbv | | 98 |
| 80) Naphthalene,2-methyl- | 25.22 | 142 | 839709 | 12.60 | ppbv | | 99 |
| 81) 1,2,4-Trichlorobenzene | 22.30 | 180 | 1467002 | 9.47 | ppbv | | 99 |

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

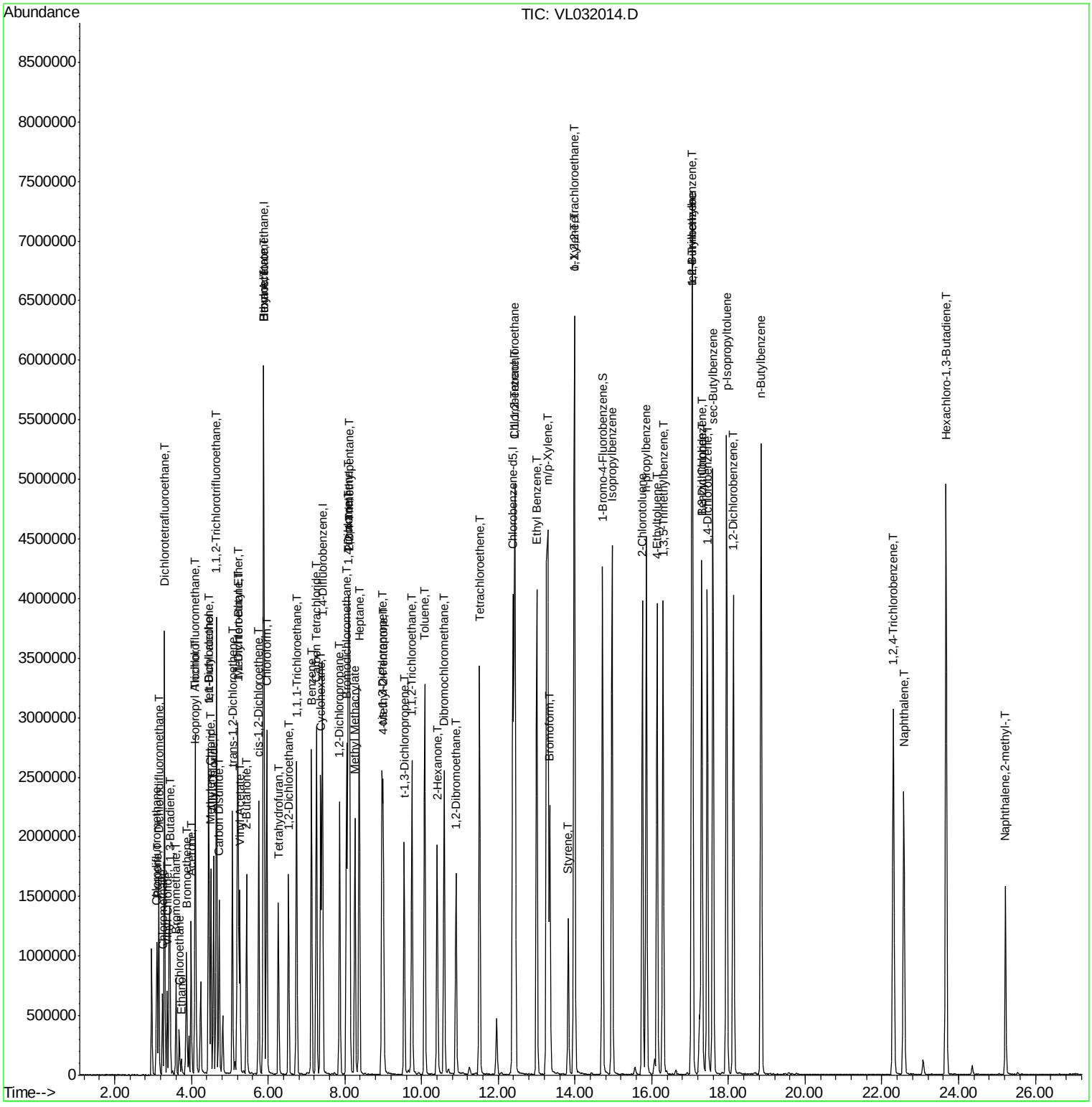
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL051618\

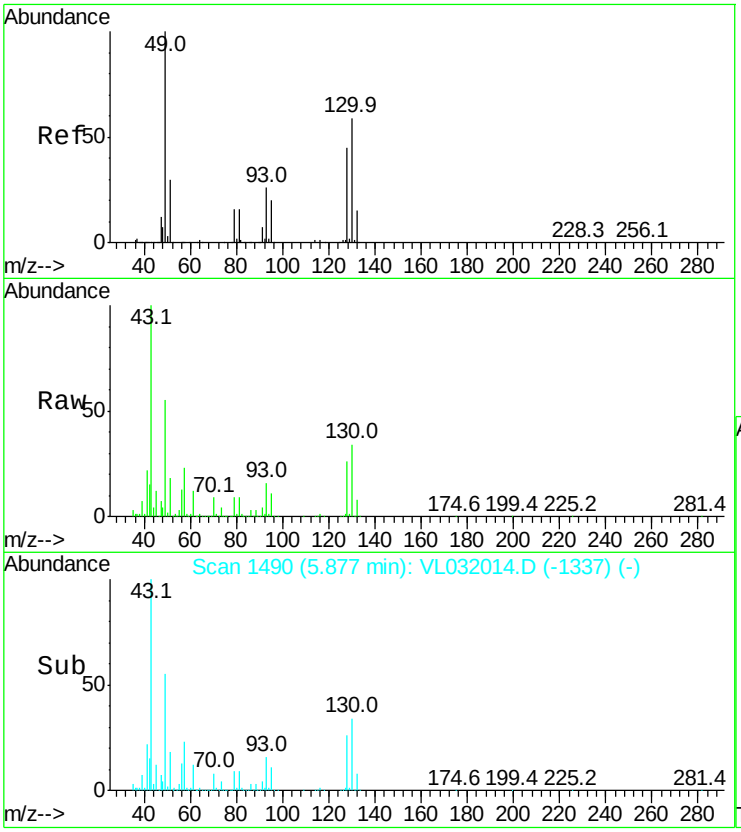
Quantitation Report (Not Reviewed)

Data File : VL032014.D
Acq On : 17 May 2018 10:09
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Quant Time: May 17 14:31:09 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration



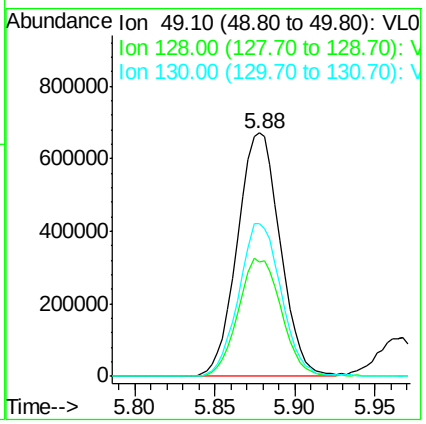


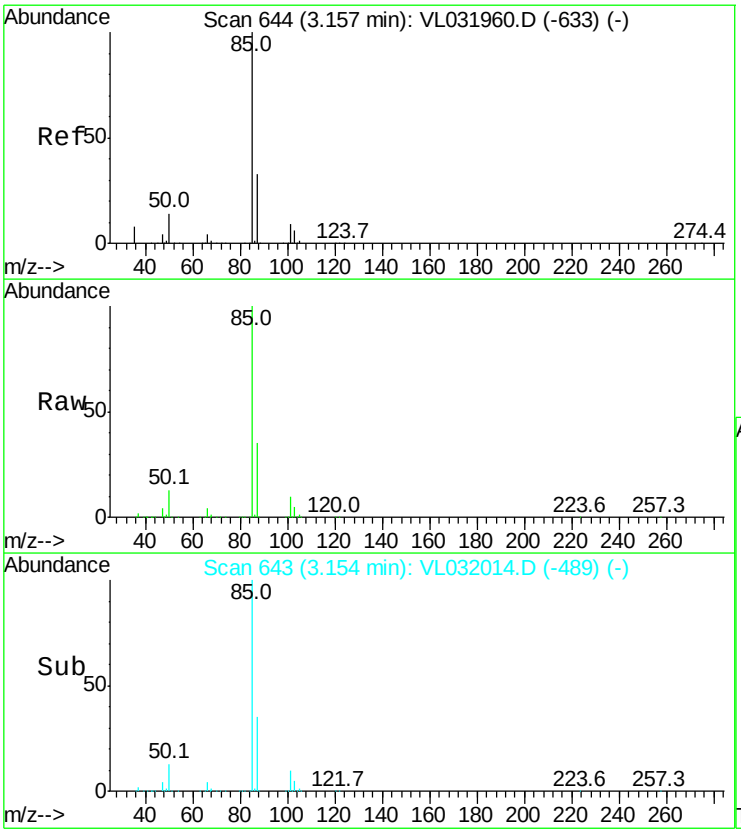

#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1490
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 49 Resp: 1225065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 48.9 | 24.1 | 72.3 |
| 130 | 62.4 | 30.7 | 92.1 |

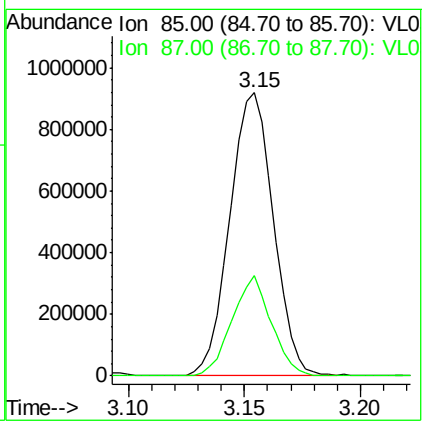


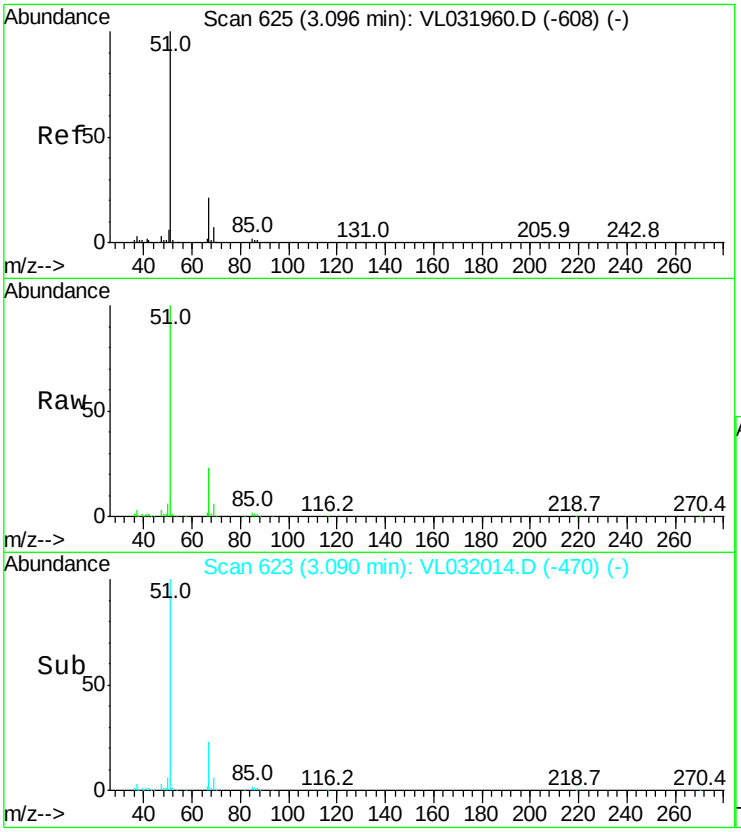




#2
Dichlorodifluoromethane
Concen: 7.37 ppbv
RT: 3.15 min Scan# 643
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 85 Resp: 1193275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.5 | 26.8 | 40.2 |



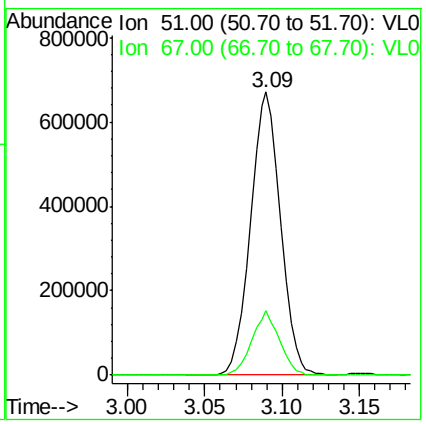


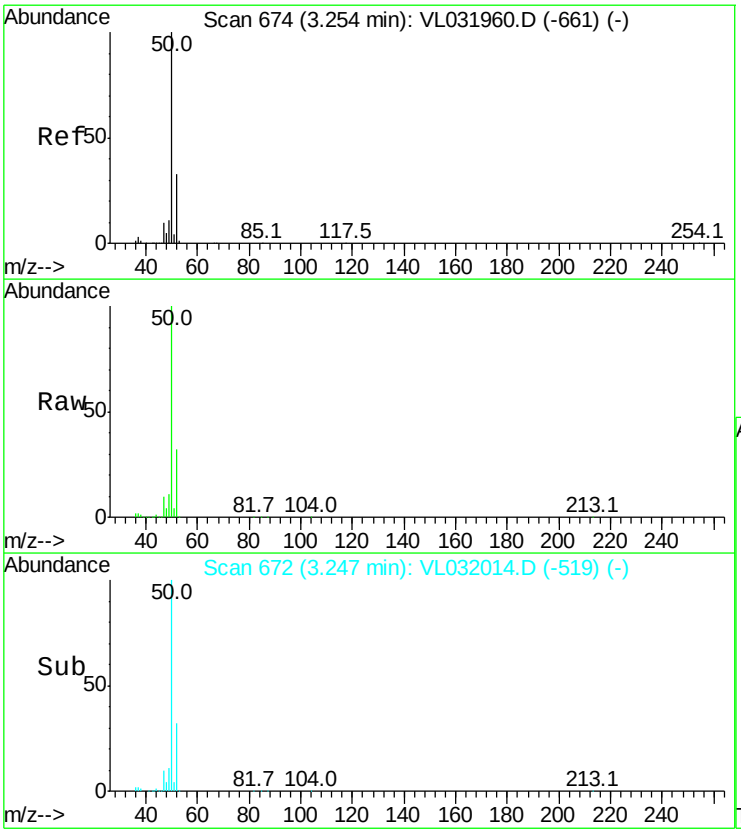

#3
Chlorodifluoromethane
Concen: 7.86 ppbv
RT: 3.09 min Scan# 623
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 51 Resp: 906359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 21.1 | 15.9 | 23.9 |

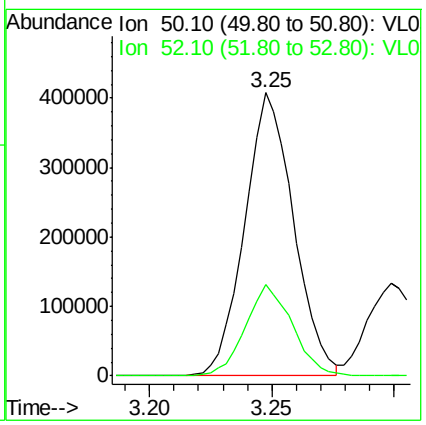


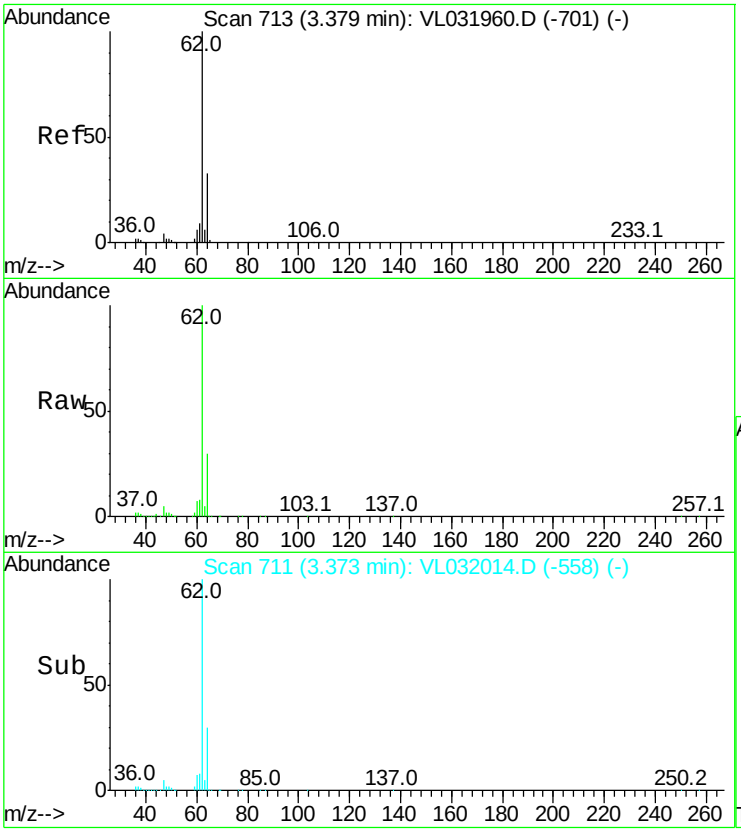




#4
Chloromethane
Concen: 9.31 ppbv
RT: 3.25 min Scan# 672
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 50 Resp: 565211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.6 | 39.8 |



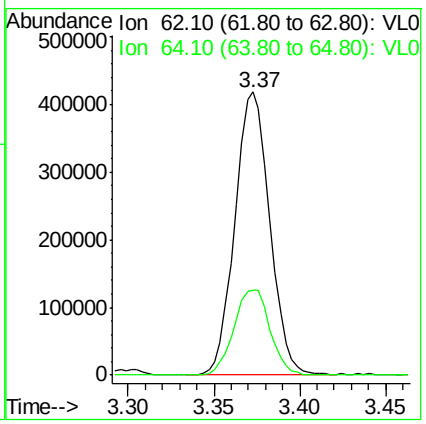


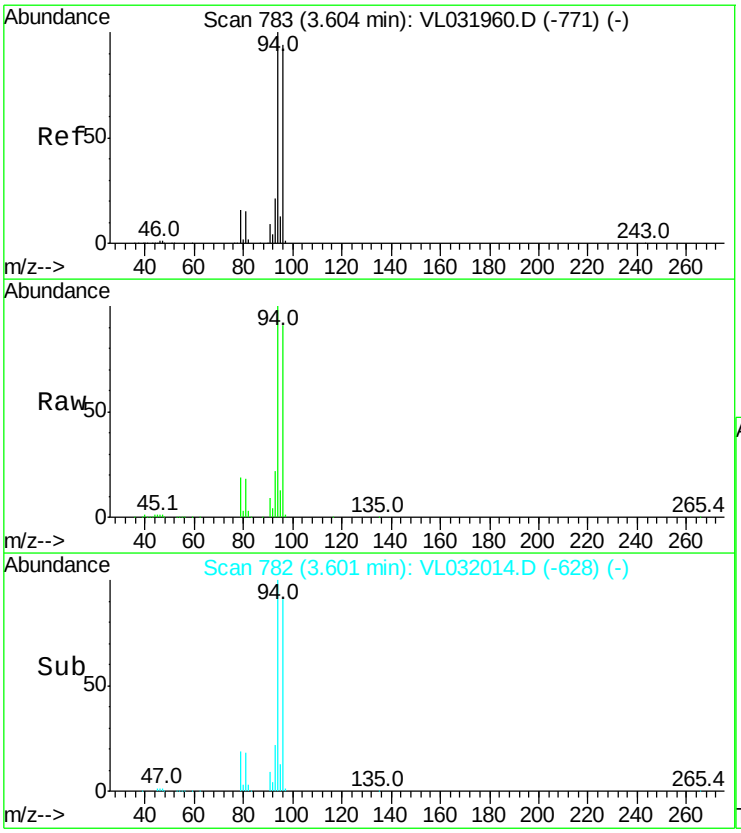

#5
Vinyl Chloride
Concen: 8.57 ppbv
RT: 3.37 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 62 Resp: 587049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.1 | 26.6 | 39.8 |

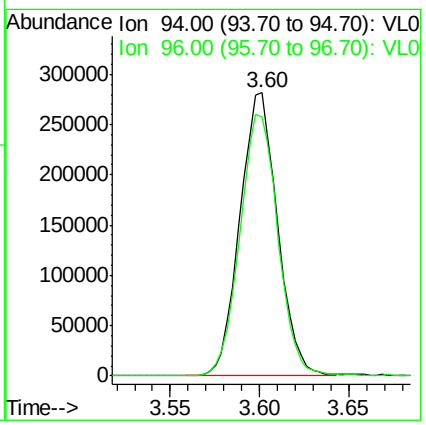


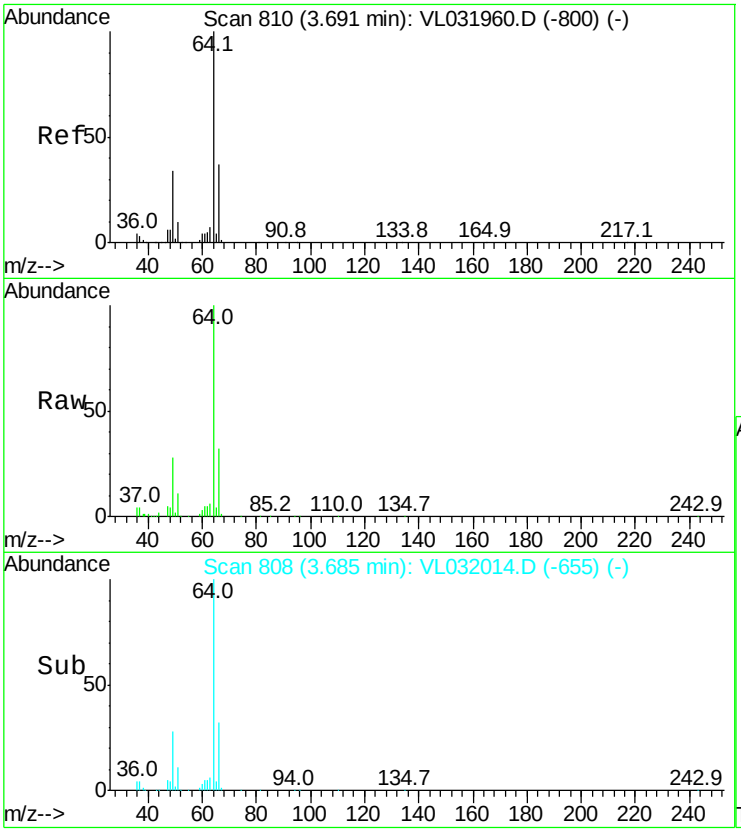




#6
Bromomethane
Concen: 9.28 ppbv
RT: 3.60 min Scan# 782
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 94 Resp: 414046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.5 | 75.5 | 113.3 |



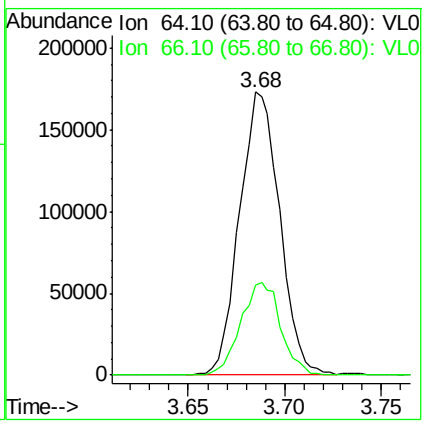


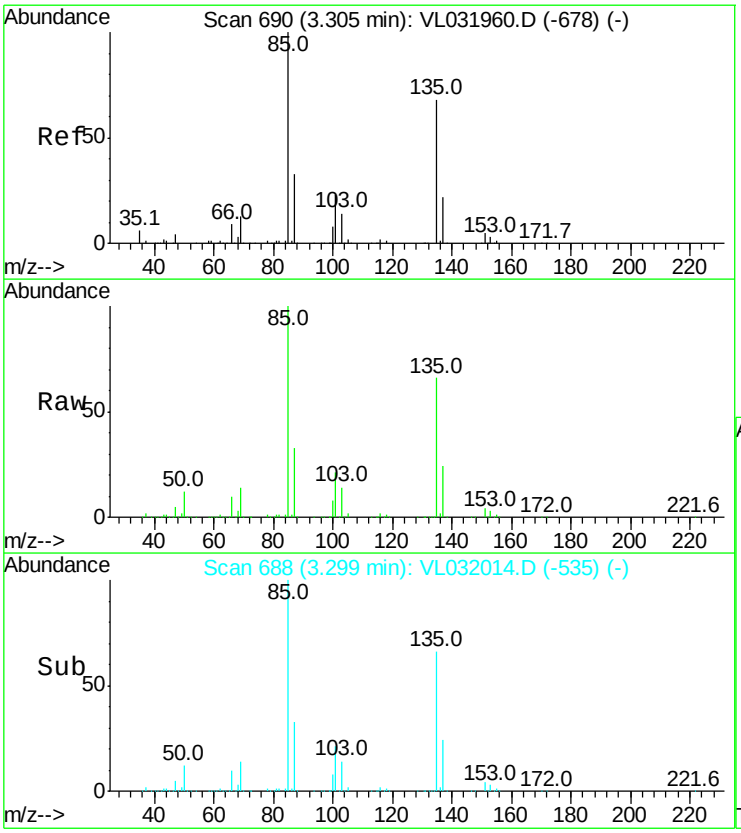

#7
Chloroethane
Concen: 9.58 ppbv
RT: 3.68 min Scan# 808
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 64 Resp: 249783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 29.6 | 44.4 |

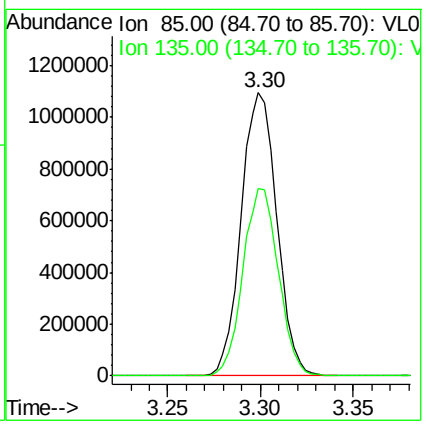


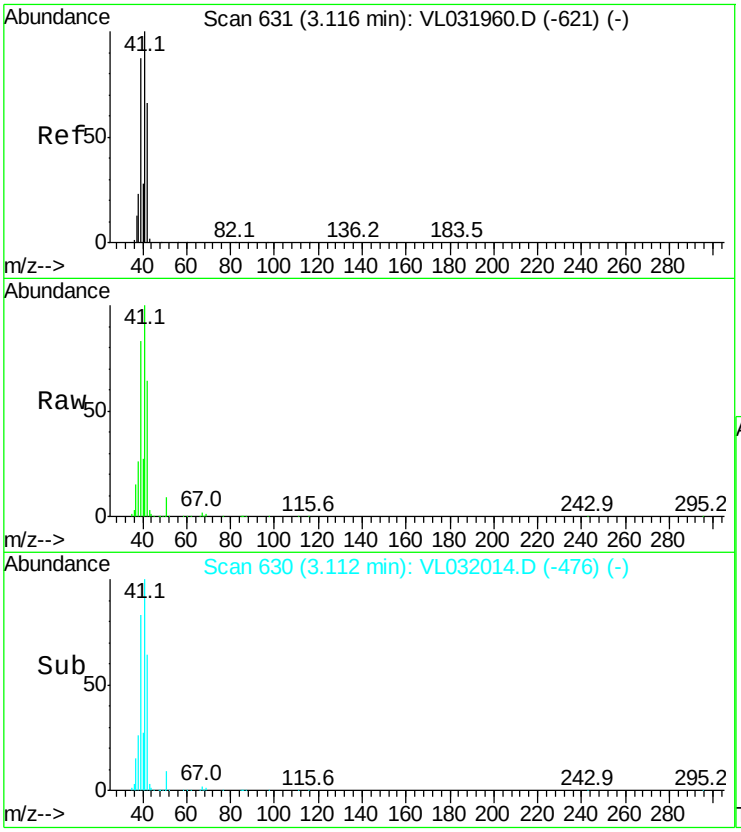




#8
Dichlorotetrafluoroethane
Concen: 9.10 ppbv
RT: 3.30 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 85 Resp: 1466205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 66.0 | 54.8 | 82.2 |



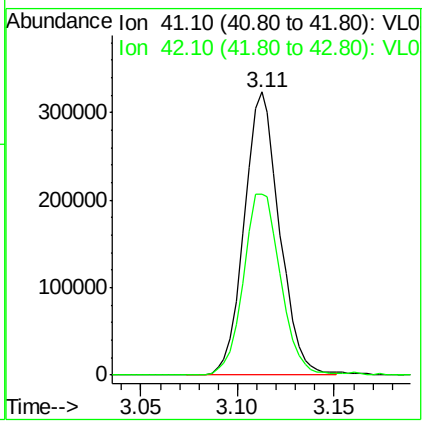


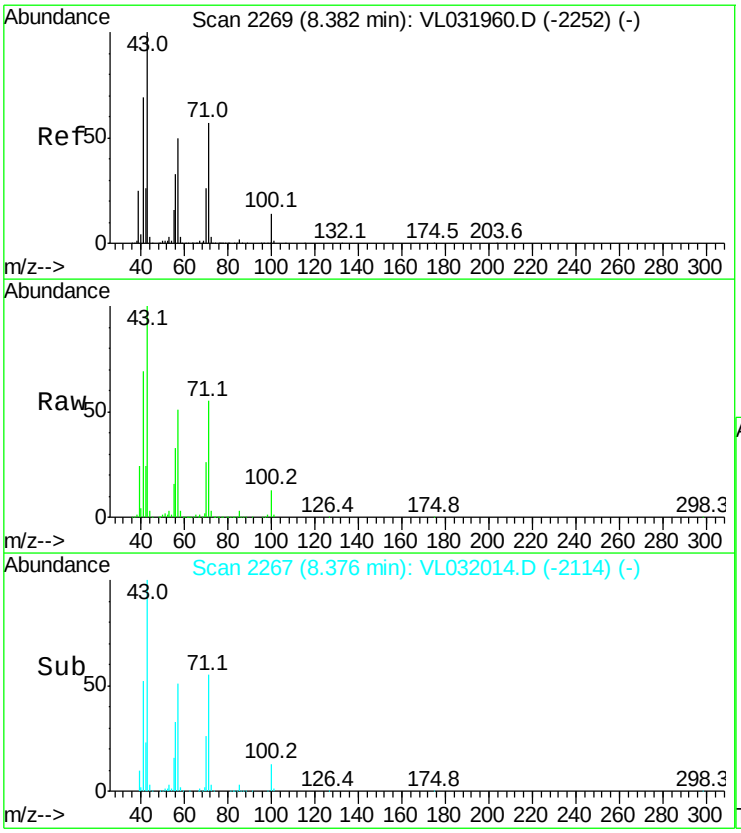

#9
Propene
Concen: 9.73 ppbv
RT: 3.11 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 41 Resp: 410888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 68.3 | 53.9 | 80.9 |

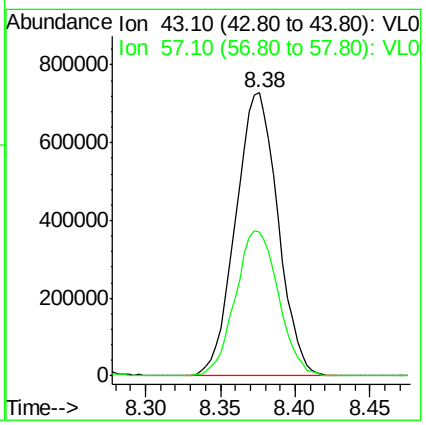


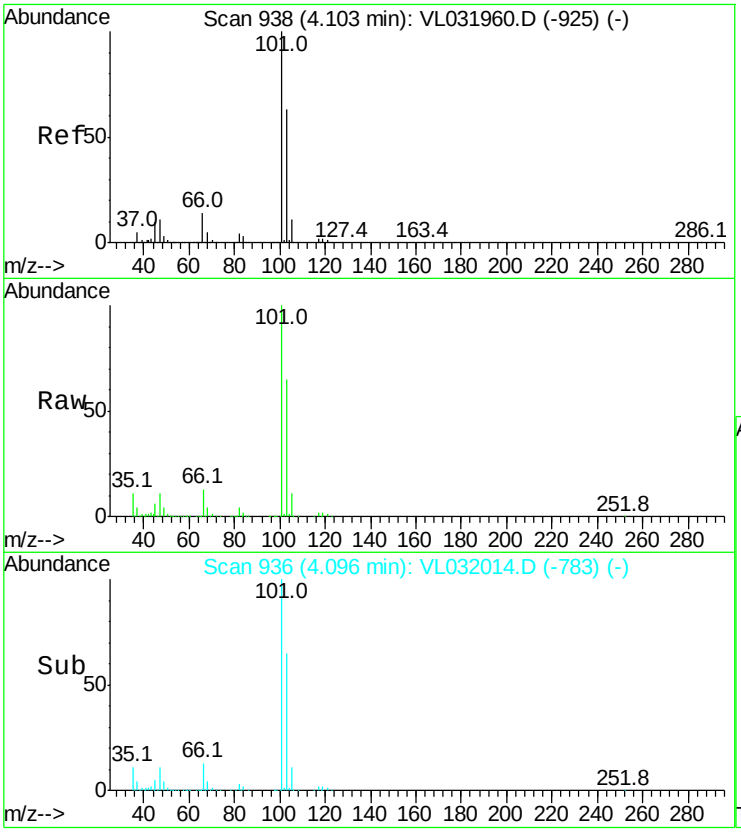




#10
Heptane
Concen: 9.82 ppbv
RT: 8.38 min Scan# 2267
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1426730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 52.3 | 40.7 | 61.1 |



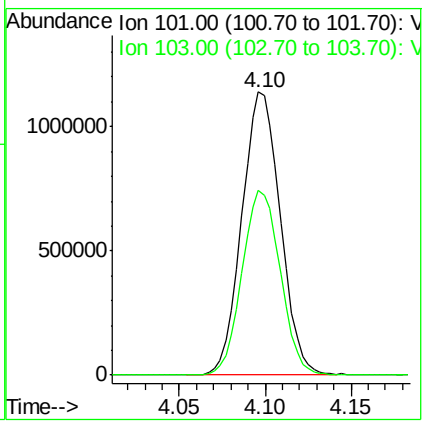


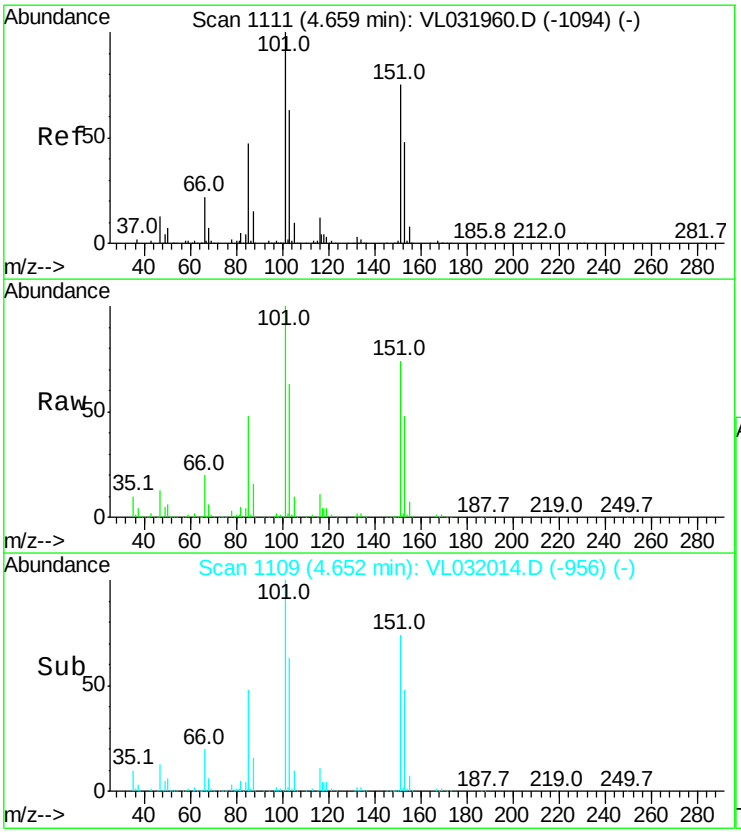

#11
Trichlorofluoromethane
Concen: 9.07 ppbv
RT: 4.10 min Scan# 936
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:101 Resp: 1771624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.2 | 50.7 | 76.1 |

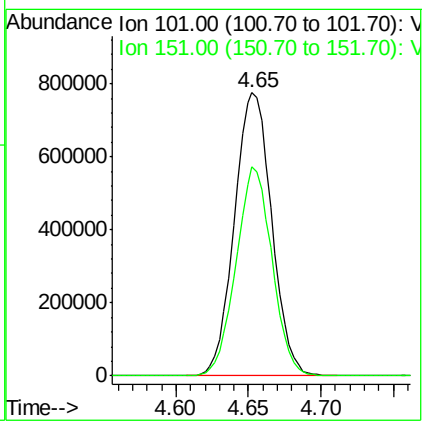


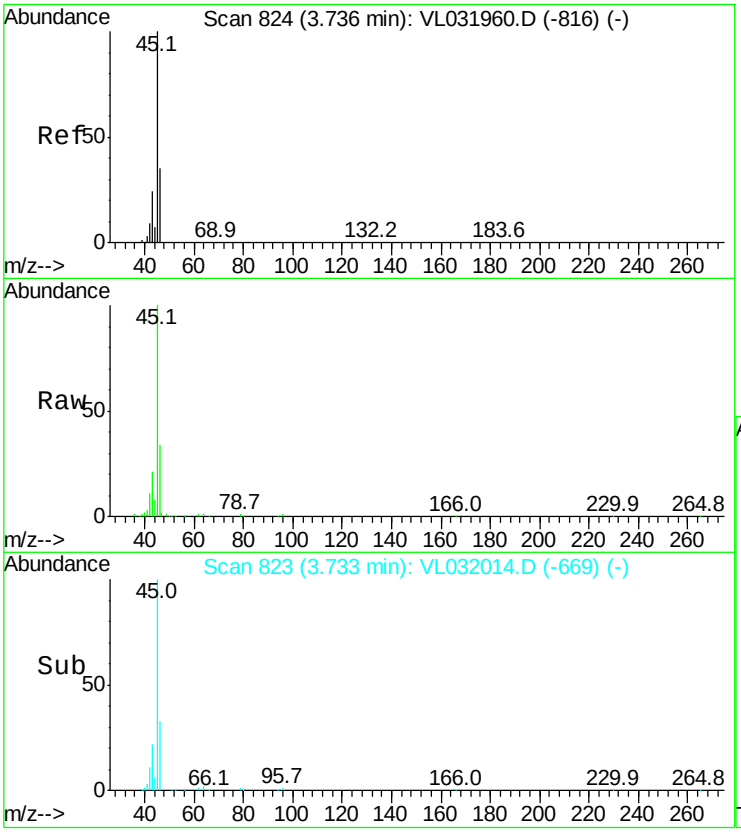




#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.05 ppbv
RT: 4.65 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:101 Resp: 1382563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 71.6 | 60.2 | 90.2 |



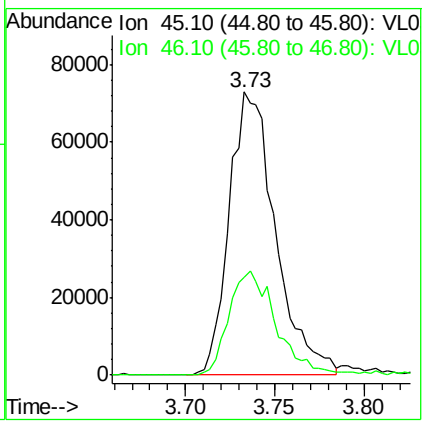


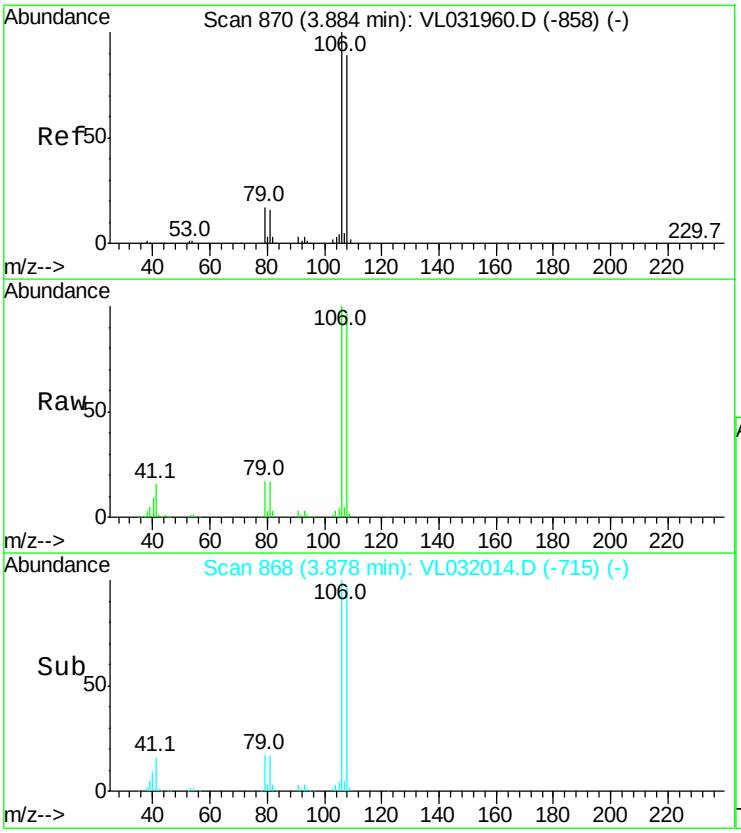

#13
Ethanol
Concen: 8.35 ppbv
RT: 3.73 min Scan# 823
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 45 Resp: 131655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 38.5 | 0.0 | 0.0# |

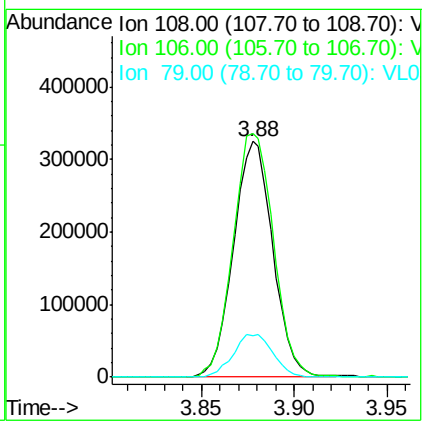


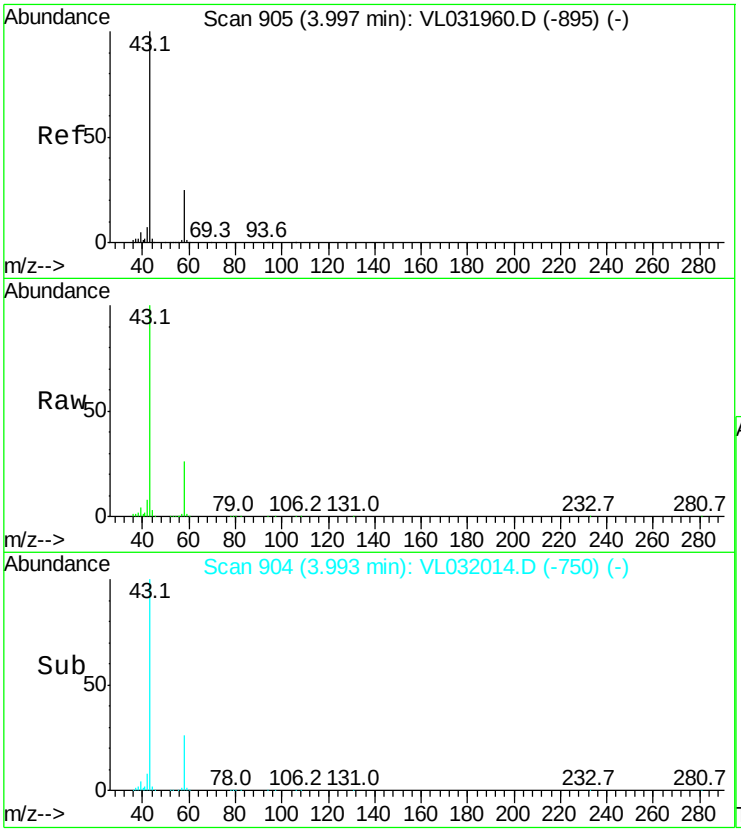




#14
Bromoethene
Concen: 9.41 ppbv
RT: 3.88 min Scan# 868
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:108 Resp: 478827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 106.8 | 86.8 | 130.2 |
| 79 | 18.7 | 14.7 | 22.1 |



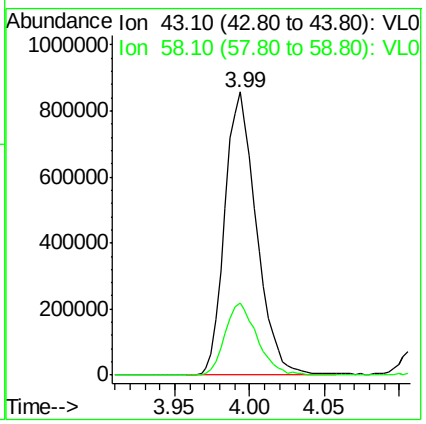


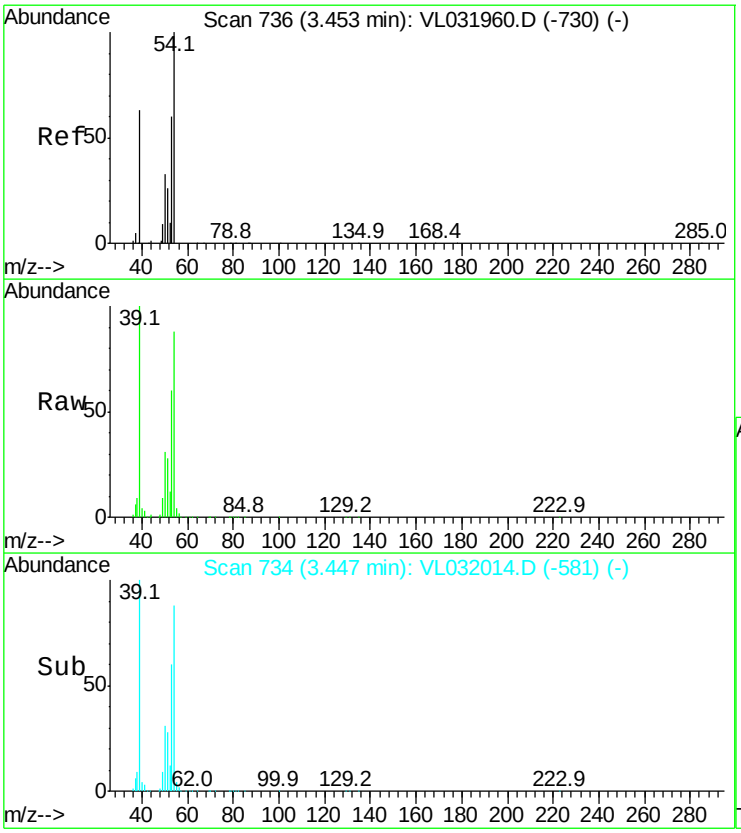

#15
Acetone
Concen: 7.32 ppbv
RT: 3.99 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 43 Resp: 1267796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.9 | 21.1 | 31.7 |

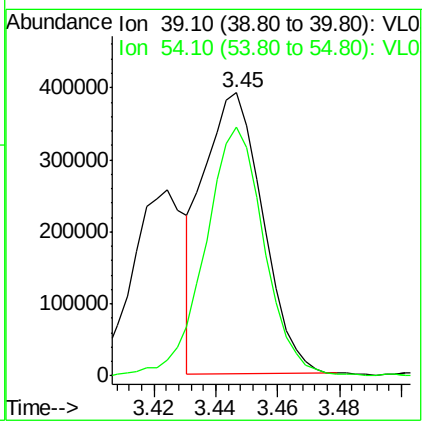


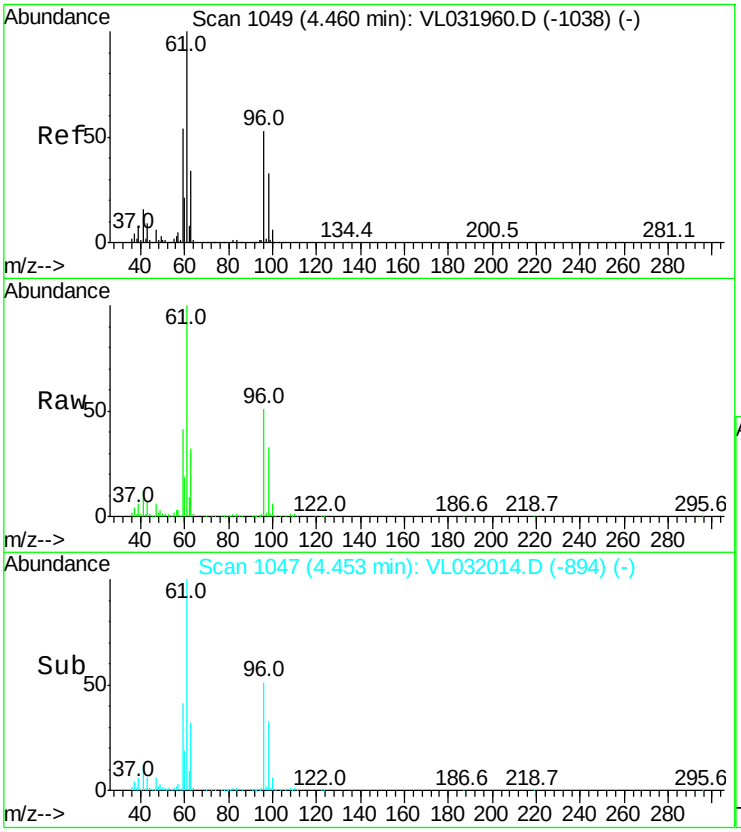




#16
1,3-Butadiene
Concen: 9.35 ppbv
RT: 3.45 min Scan# 734
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 39 Resp: 520642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 88.6 | 66.2 | 99.2 |



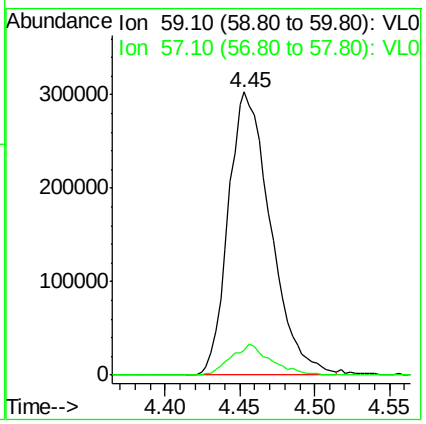


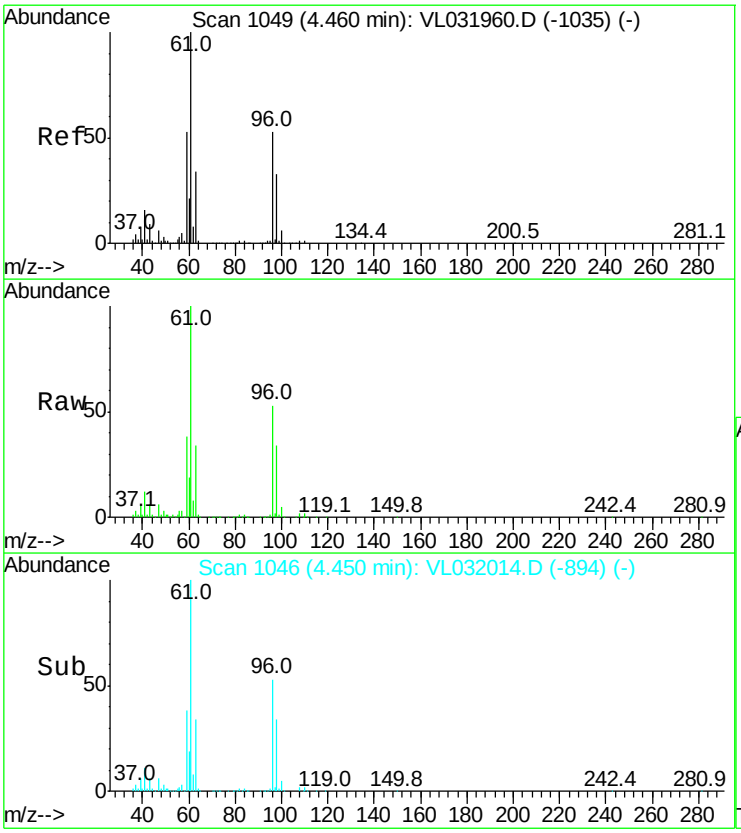

#17
tert-Butyl alcohol
Concen: 8.34 ppbv
RT: 4.45 min Scan# 1047
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 59 Resp: 597458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.3 | 12.5 |

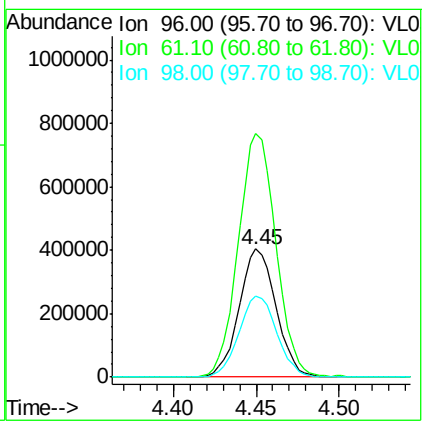


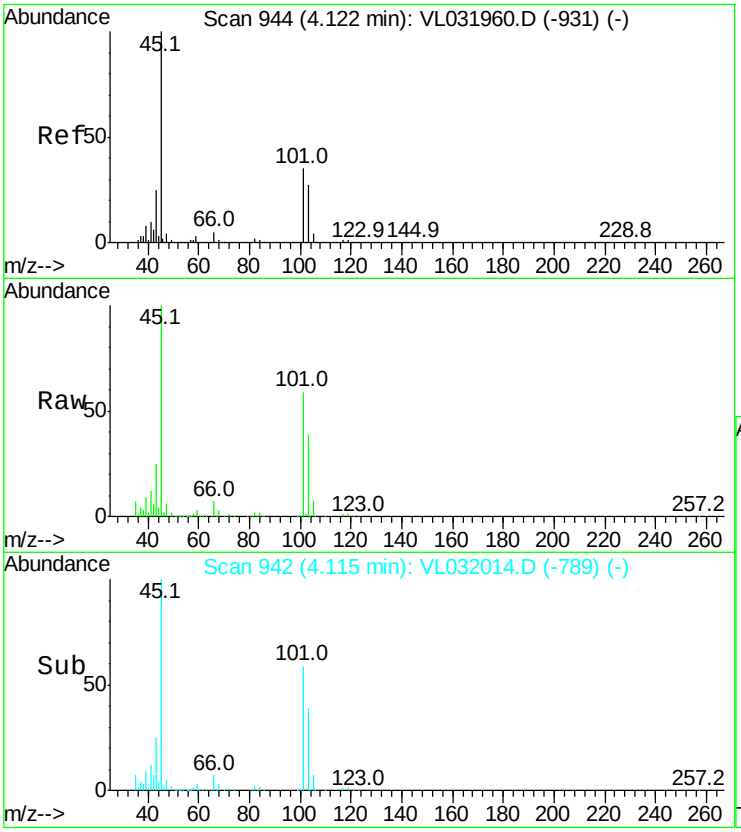




#18
1,1-Dichloroethene
Concen: 10.36 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 96 Resp: 624870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 190.2 | 149.9 | 224.9 |
| 98 | 63.7 | 49.7 | 74.5 |



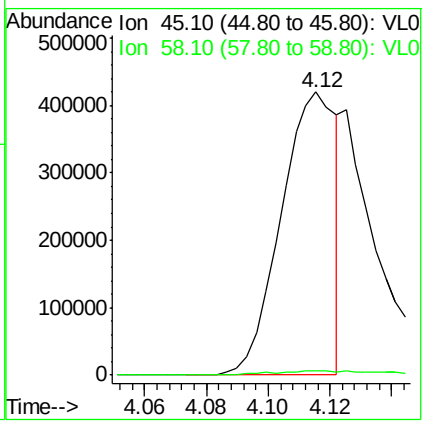


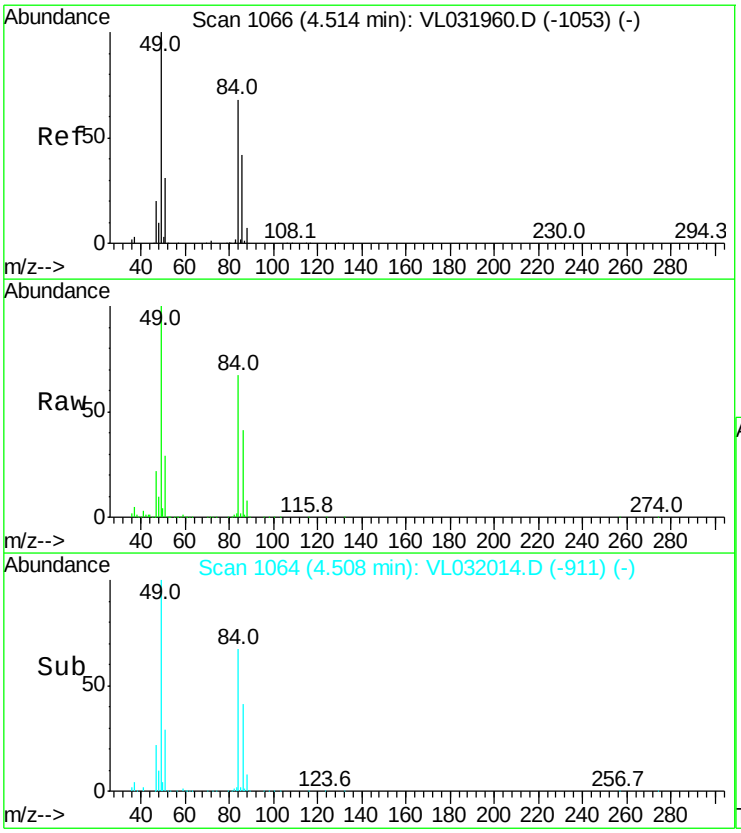

#19
Isopropyl Alcohol
Concen: 5.51 ppbv
RT: 4.12 min Scan# 942
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 45 Resp: 515835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 3.1 | 1.4 | 2.2# |

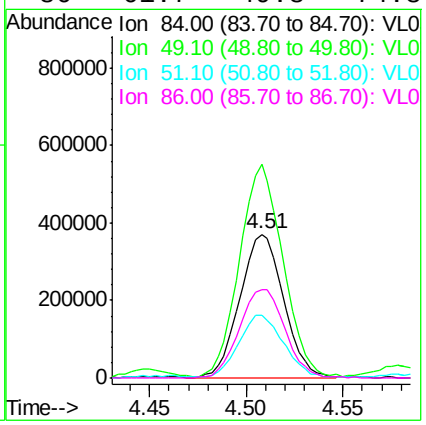


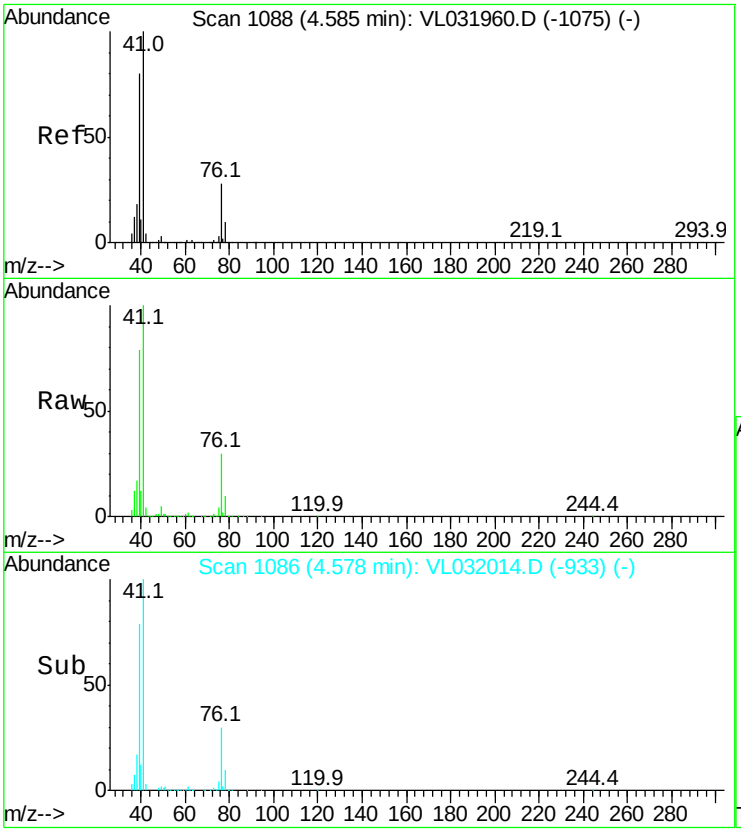




#20
Methylene Chloride
Concen: 9.92 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 84 Resp: 579637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 147.6 | 118.6 | 178.0 |
| 51 | 42.7 | 36.6 | 54.8 |
| 86 | 61.7 | 49.8 | 74.8 |



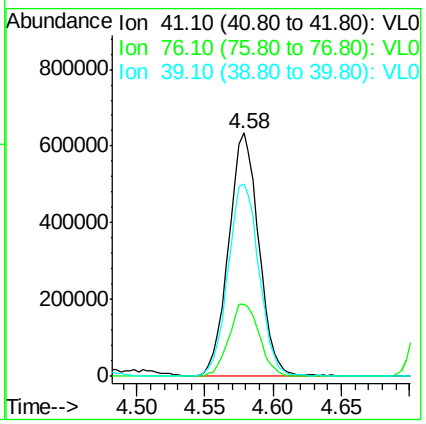


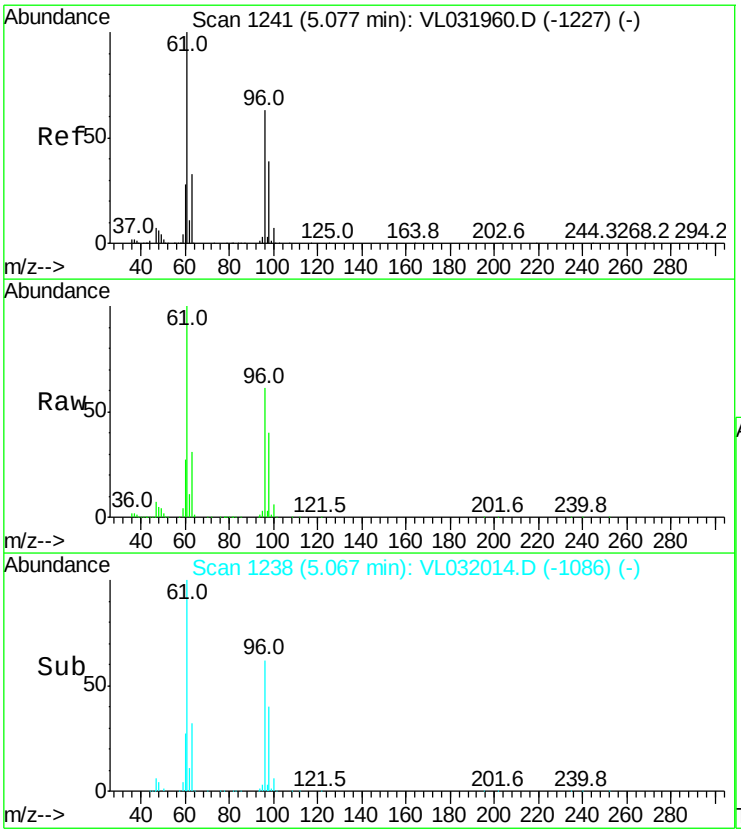

#21
Allyl Chloride
Concen: 9.84 ppbv
RT: 4.58 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 41 Resp: 971268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 30.3 | 23.4 | 35.0 |
| 39 | 81.7 | 64.5 | 96.7 |

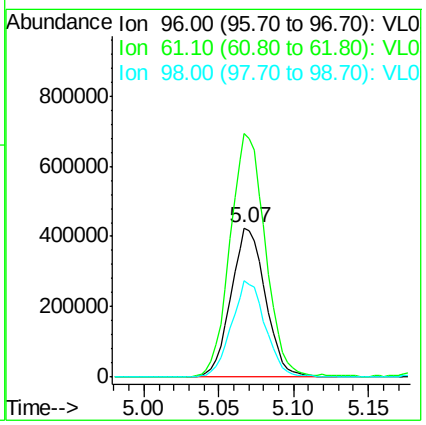


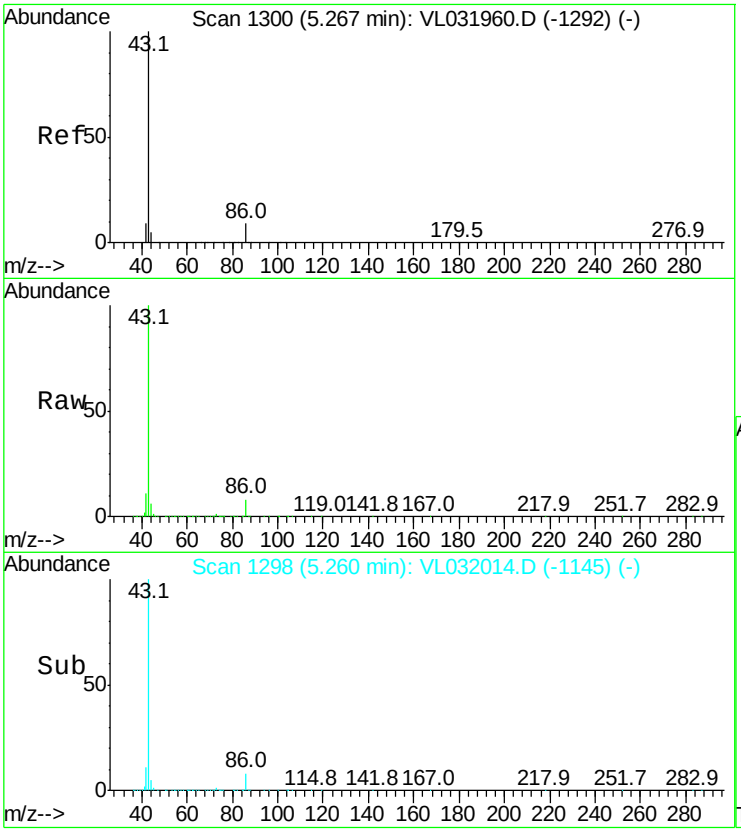




#22
trans-1,2-Dichloroethene
Concen: 10.16 ppbv
RT: 5.07 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 96 Resp: 680486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.5 | 127.7 | 191.5 |
| 98 | 65.0 | 49.3 | 73.9 |



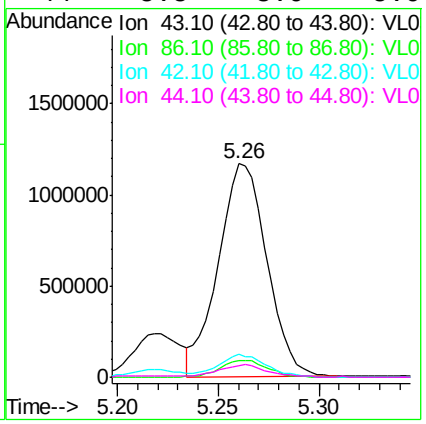


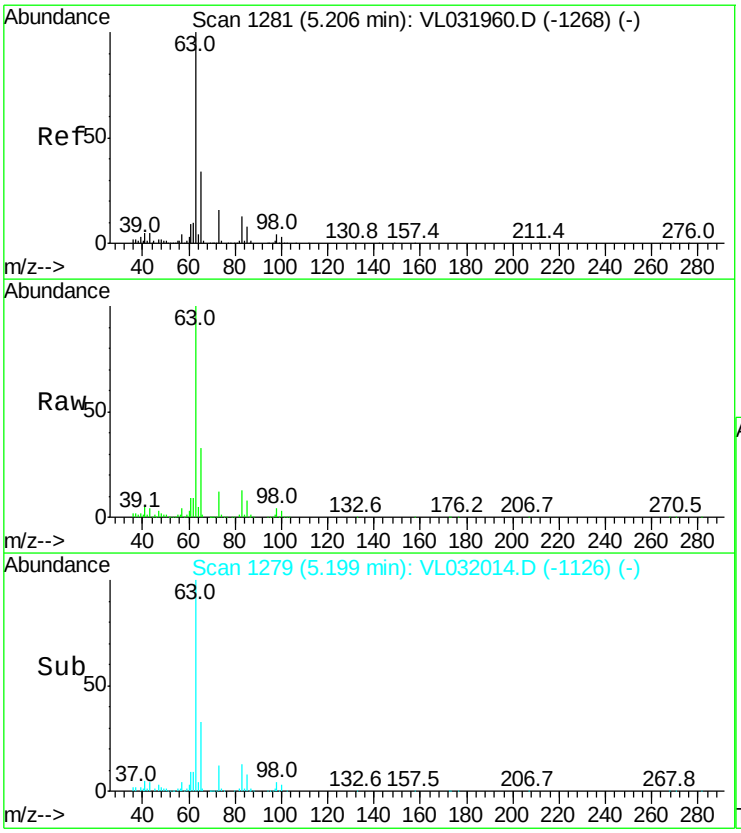

#23
Vinyl Acetate
Concen: 9.92 ppbv
RT: 5.26 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 43 Resp: 1963685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.6 | 6.1 | 9.1 |
| 42 | 10.6 | 8.0 | 12.0 |
| 44 | 5.5 | 3.9 | 5.9 |

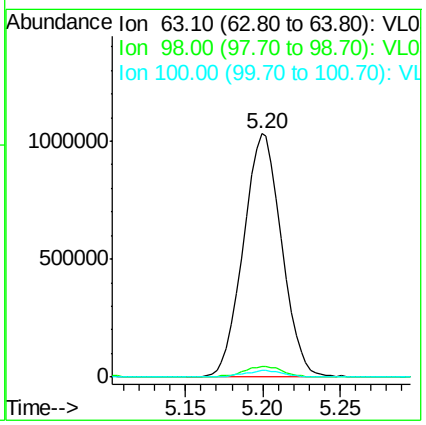


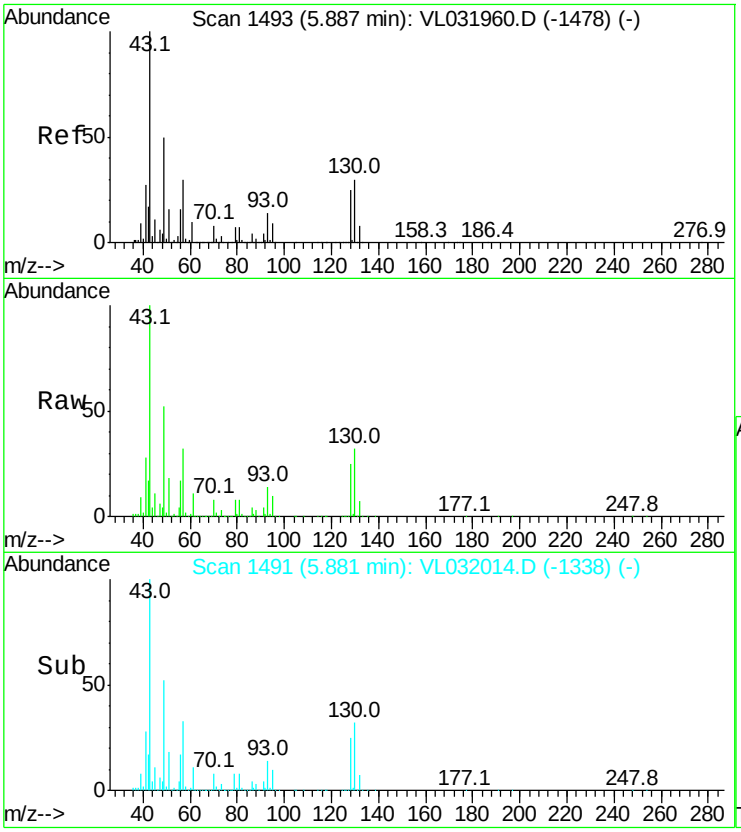




#24
1,1-Dichloroethane
Concen: 9.63 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 63 Resp: 1777492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.1 | 2.2 | 6.6 |
| 100 | 2.6 | 1.5 | 4.5 |



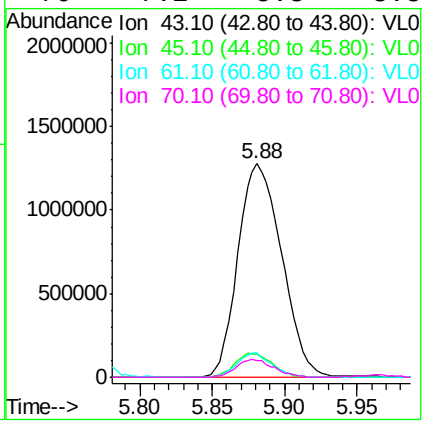


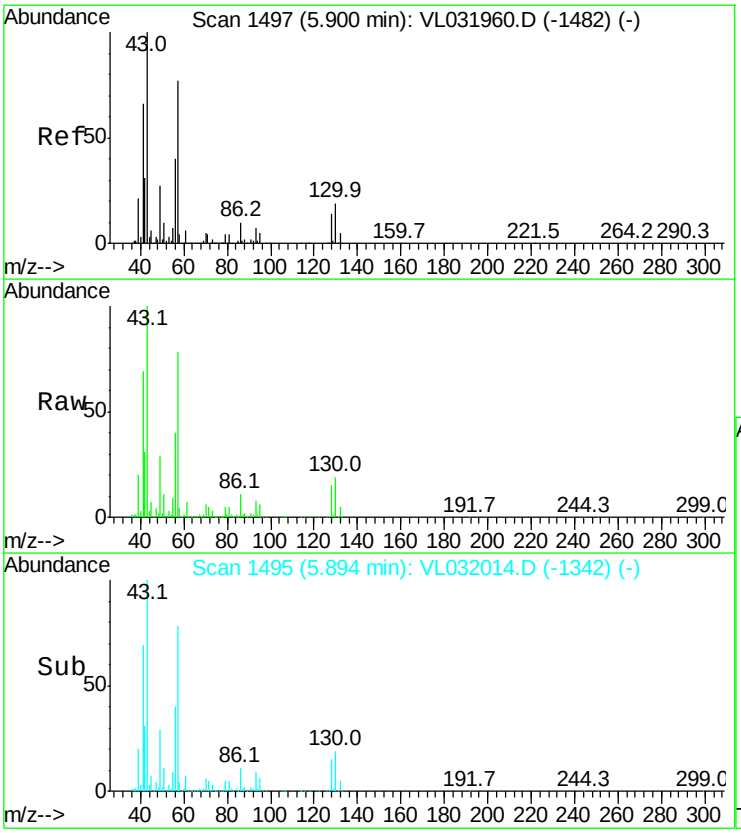

#25
Ethyl Acetate
Concen: 9.03 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 43 Resp: 2684464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.8 | 7.8 | 11.6 |
| 61 | 9.1 | 7.4 | 11.2 |
| 70 | 7.2 | 5.8 | 8.8 |

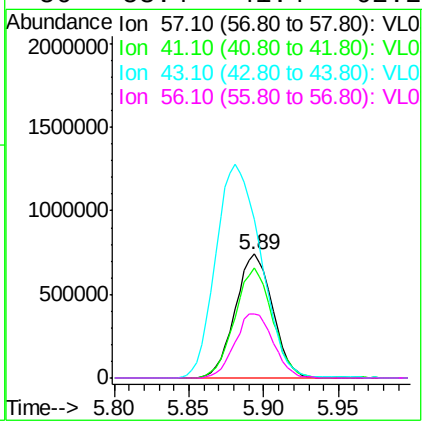


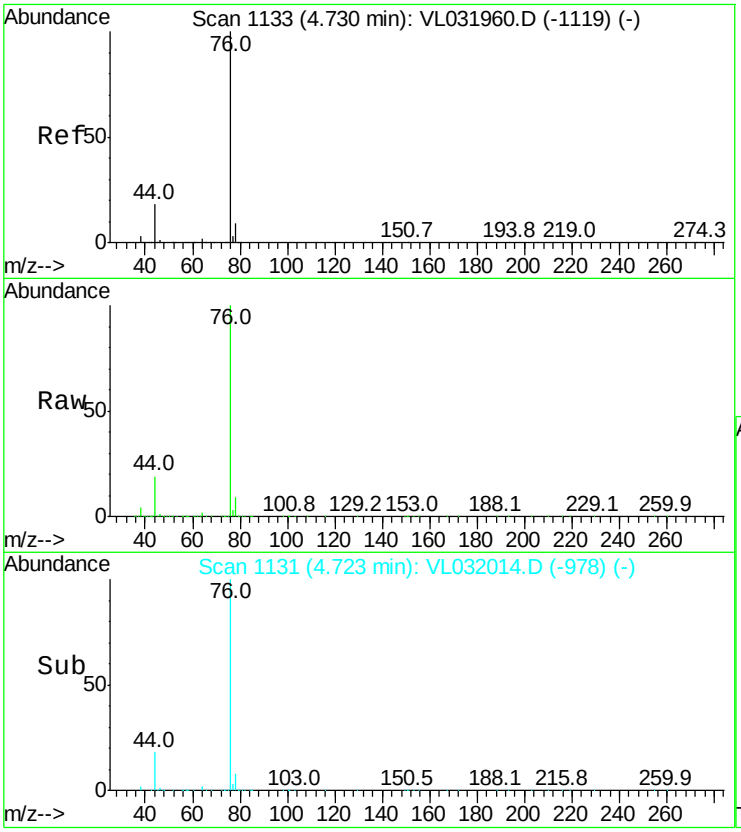




#26
Hexane
Concen: 9.21 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 57 Resp: 1286893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 89.8 | 71.8 | 107.6 |
| 43 | 210.5 | 171.5 | 257.3 |
| 56 | 53.4 | 41.4 | 62.2 |



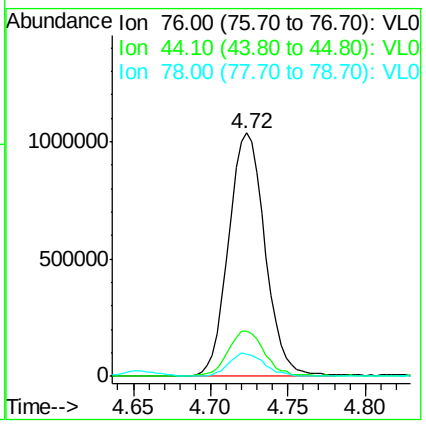


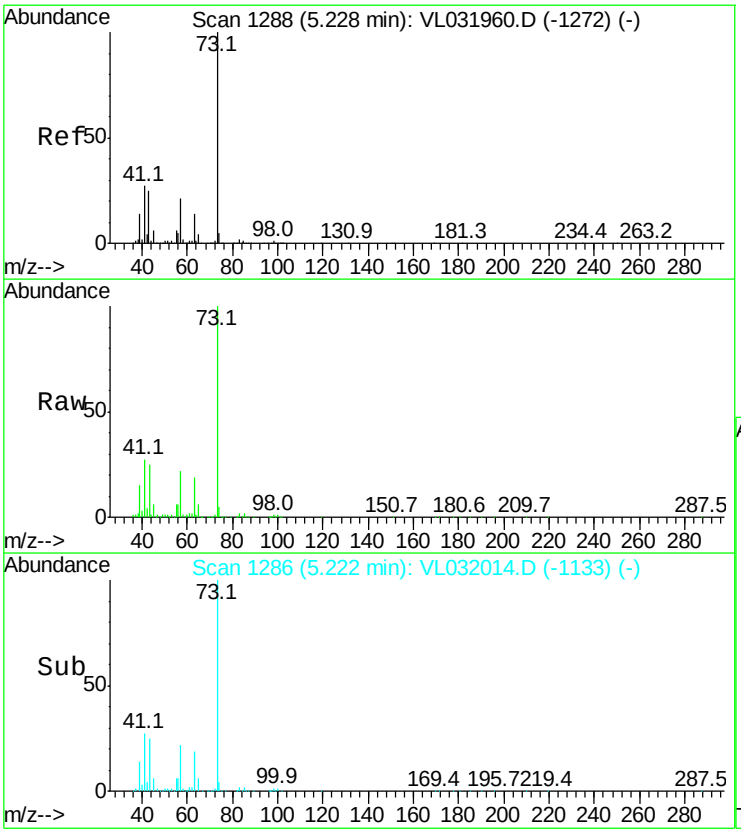

#27
Carbon Disulfide
Concen: 10.83 ppbv
RT: 4.72 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 76 Resp: 1695455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 18.6 | 15.4 | 23.0 |
| 78 | 9.4 | 7.4 | 11.0 |

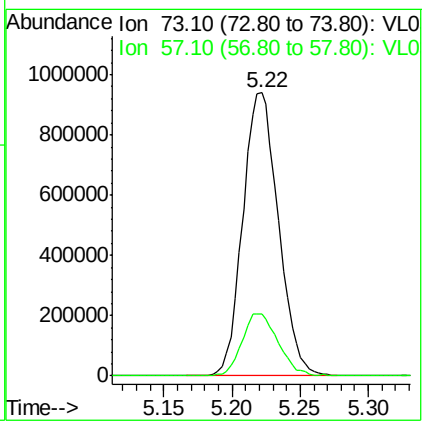


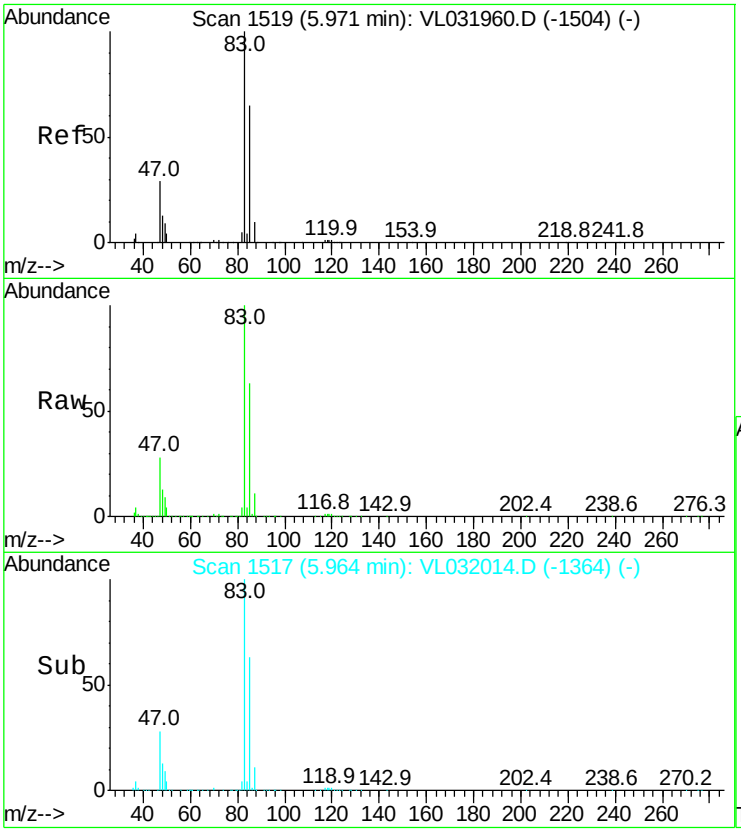




#28
Methyl tert-Butyl Ether
Concen: 9.89 ppbv
RT: 5.22 min Scan# 1286
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 73 Resp: 1699644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.5 | 17.6 | 26.4 |



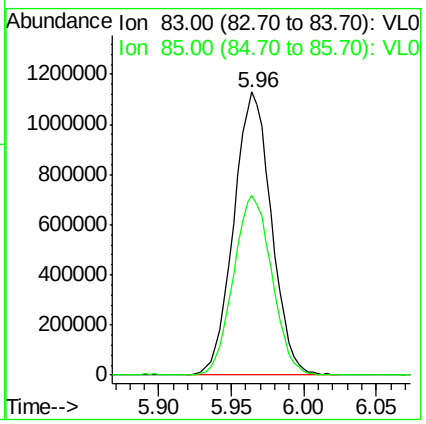


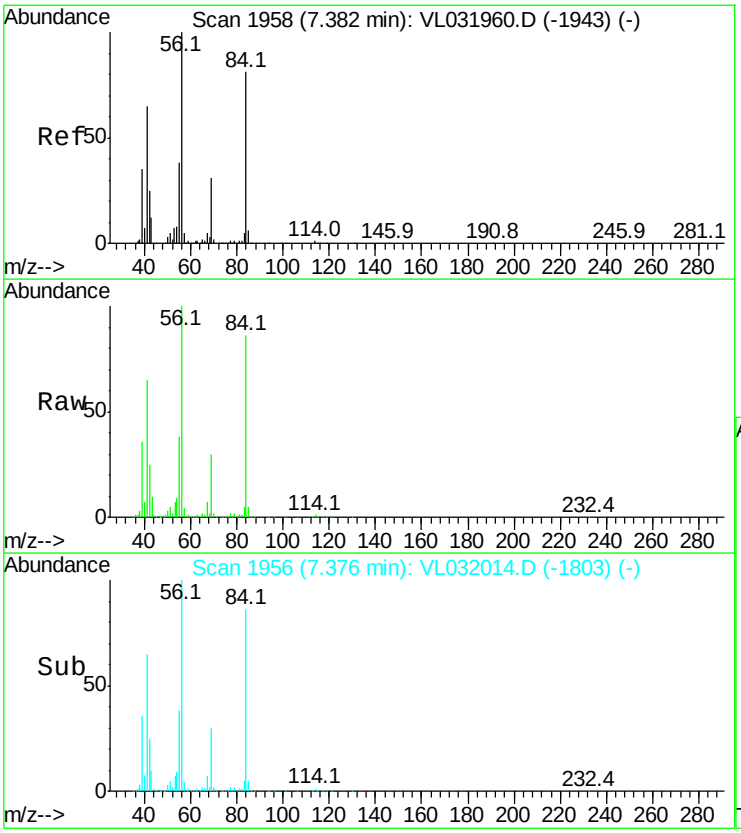

#29
Chloroform
Concen: 9.20 ppbv
RT: 5.96 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 83 Resp: 2034791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 52.2 | 78.2 |

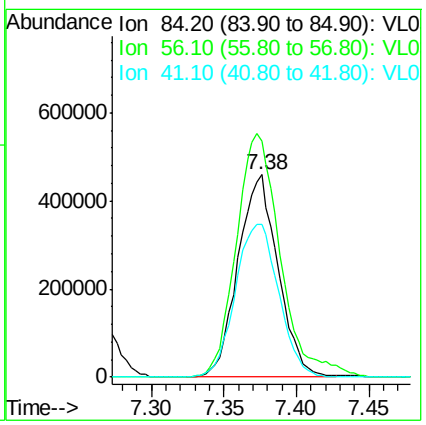


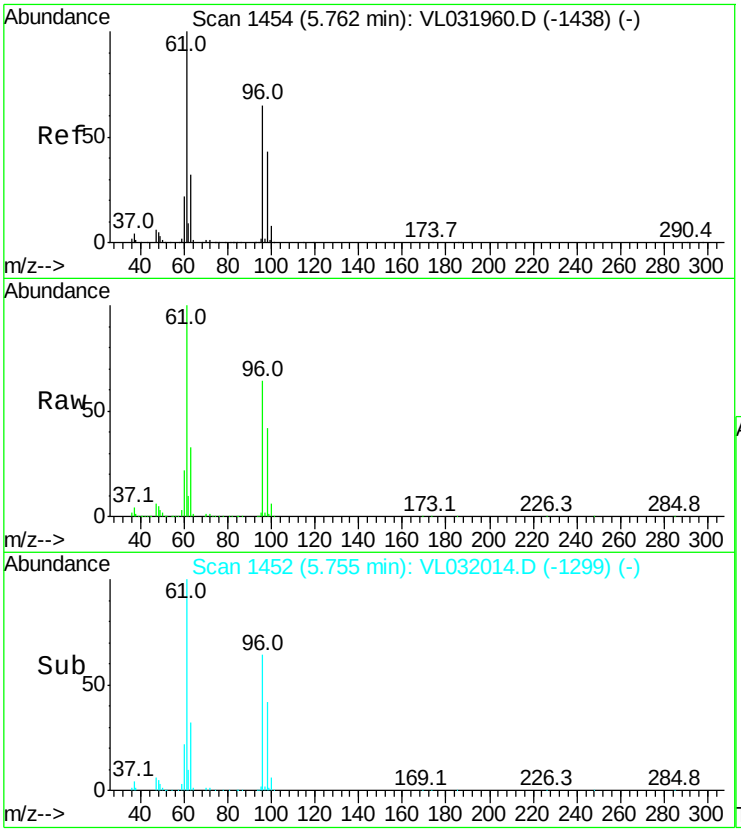




#30
Cyclohexane
Concen: 9.44 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 84 Resp: 878986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 133.3 | 108.0 | 162.0 |
| 41 | 82.4 | 66.8 | 100.2 |



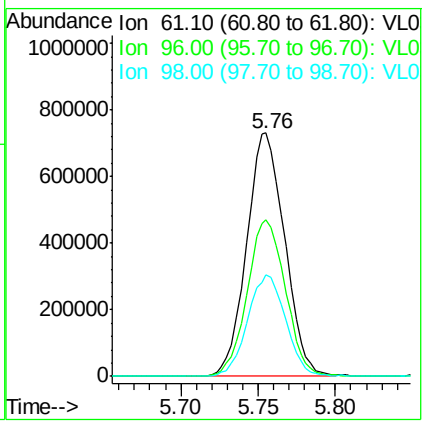


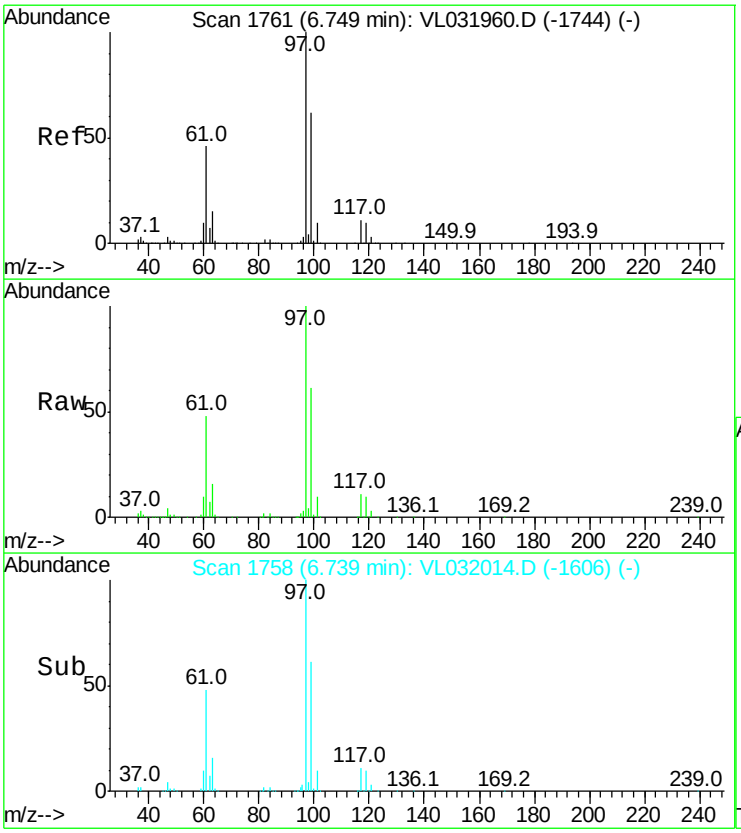

#31
cis-1,2-Dichloroethene
Concen: 9.81 ppbv
RT: 5.76 min Scan# 1452
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 61 Resp: 1253950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 64.1 | 51.8 | 77.6 |
| 98 | 41.8 | 34.2 | 51.4 |

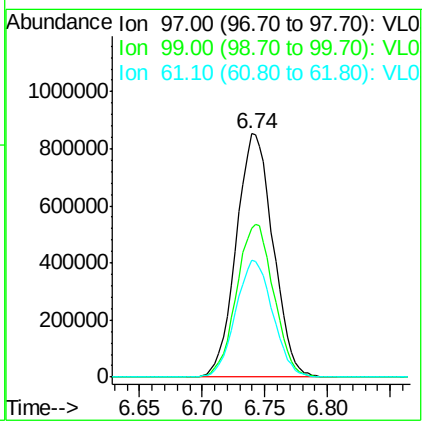


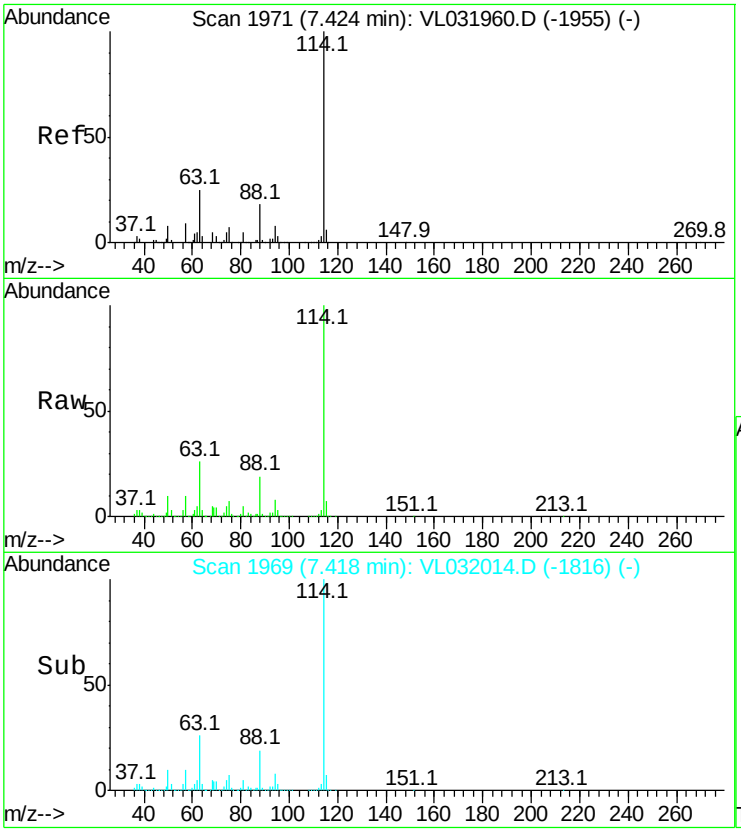




#32
1,1,1-Trichloroethane
Concen: 8.54 ppbv
RT: 6.74 min Scan# 1758
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 97 Resp: 1740033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 51.0 | 76.6 |
| 61 | 48.3 | 38.1 | 57.1 |



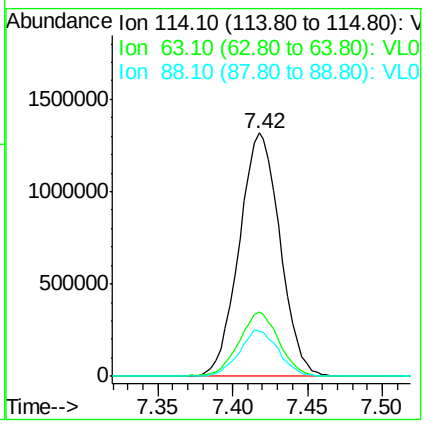


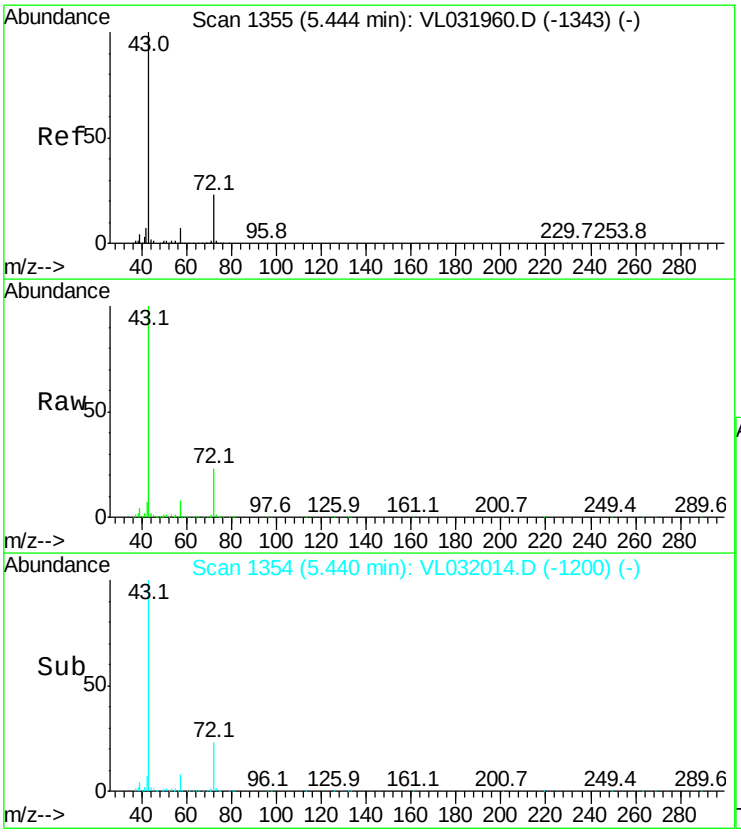

#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1969
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion:114 Resp: 2497717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.3 | 20.8 | 31.2 |
| 88 | 18.3 | 14.6 | 21.8 |

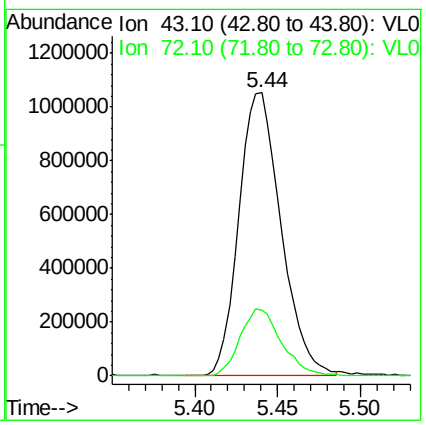


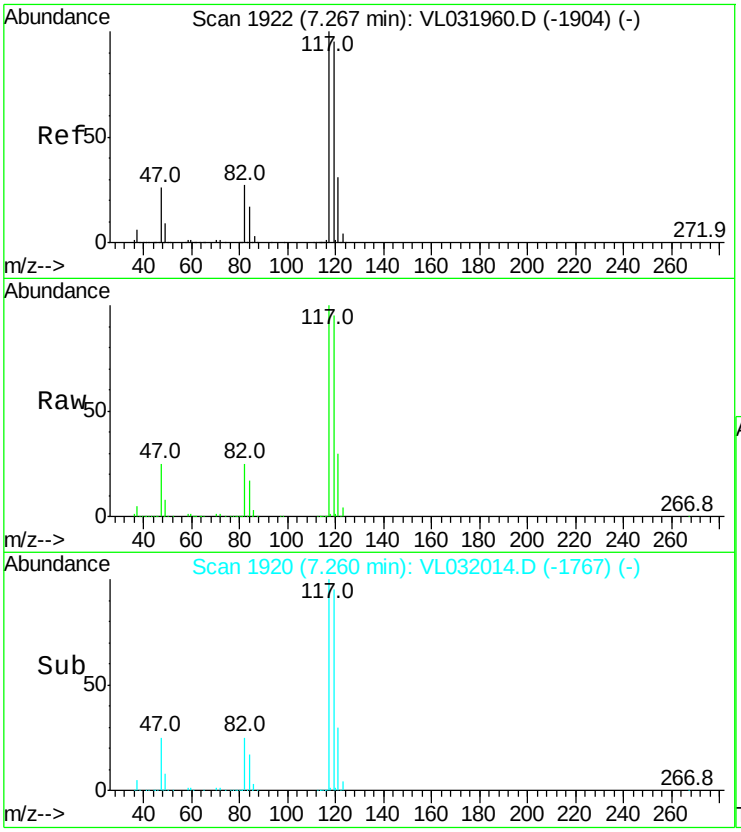




#34
2-Butanone
Concen: 9.05 ppbv
RT: 5.44 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1865182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.3 | 18.3 | 27.5 |



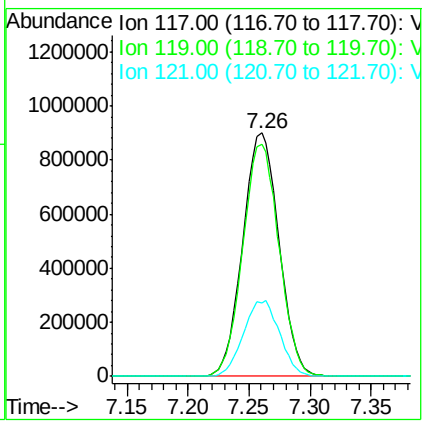


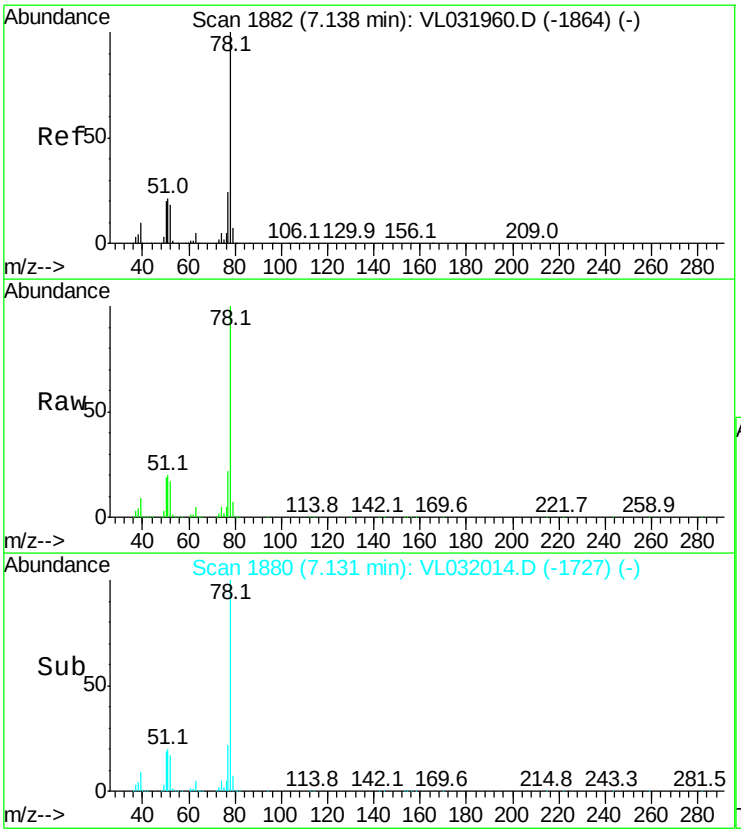

#35
Carbon Tetrachloride
Concen: 9.29 ppbv
RT: 7.26 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion:117 Resp: 1839667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 76.4 | 114.6 |
| 121 | 30.0 | 24.4 | 36.6 |

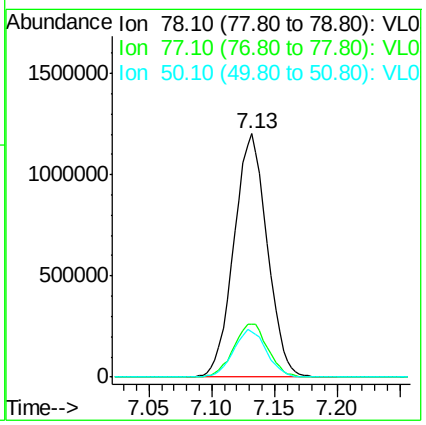


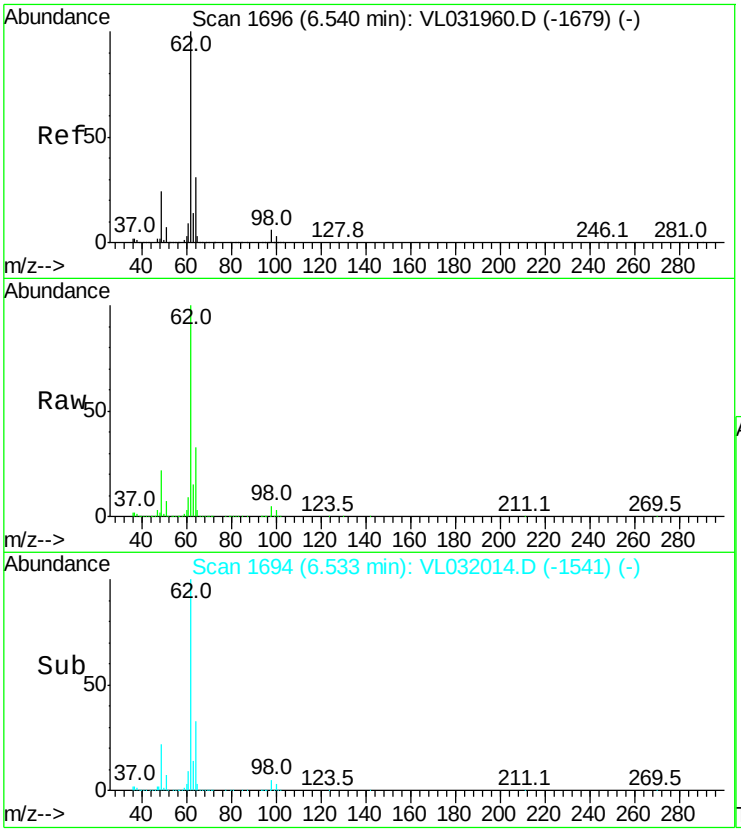




#36
Benzene
Concen: 9.43 ppbv
RT: 7.13 min Scan# 1880
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 78 Resp: 2218147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.6 | 19.2 | 28.8 |
| 50 | 18.8 | 16.2 | 24.4 |



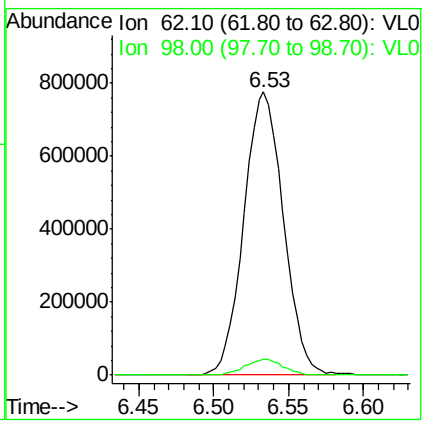


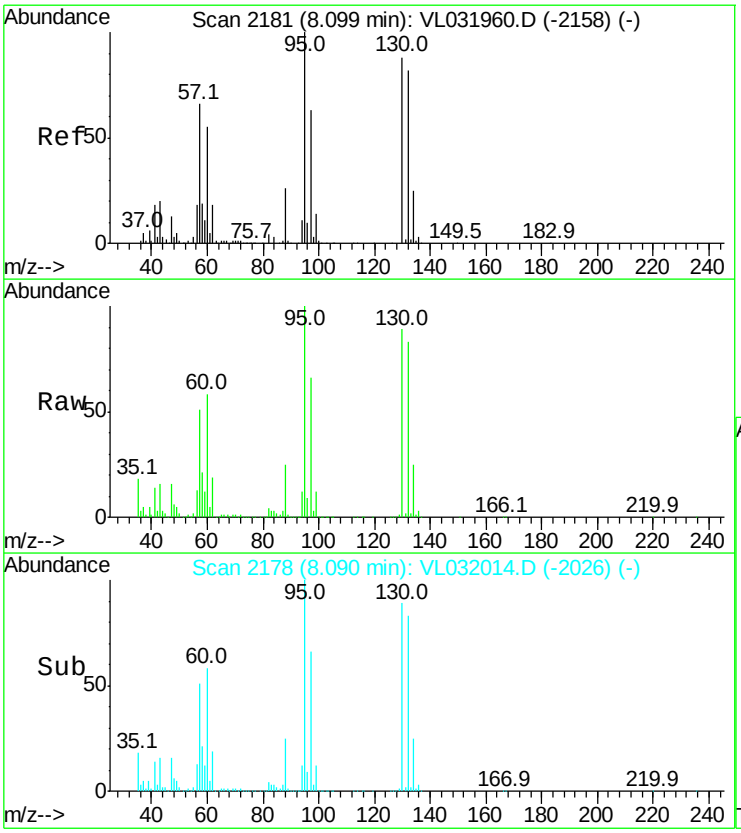

#37
1,2-Dichloroethane
Concen: 8.46 ppbv
RT: 6.53 min Scan# 1694
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 62 Resp: 1430683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.5 | 4.6 | 6.8 |

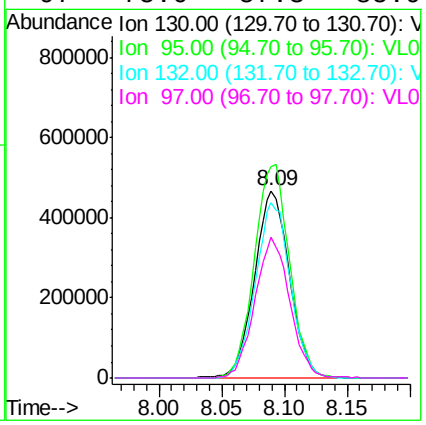


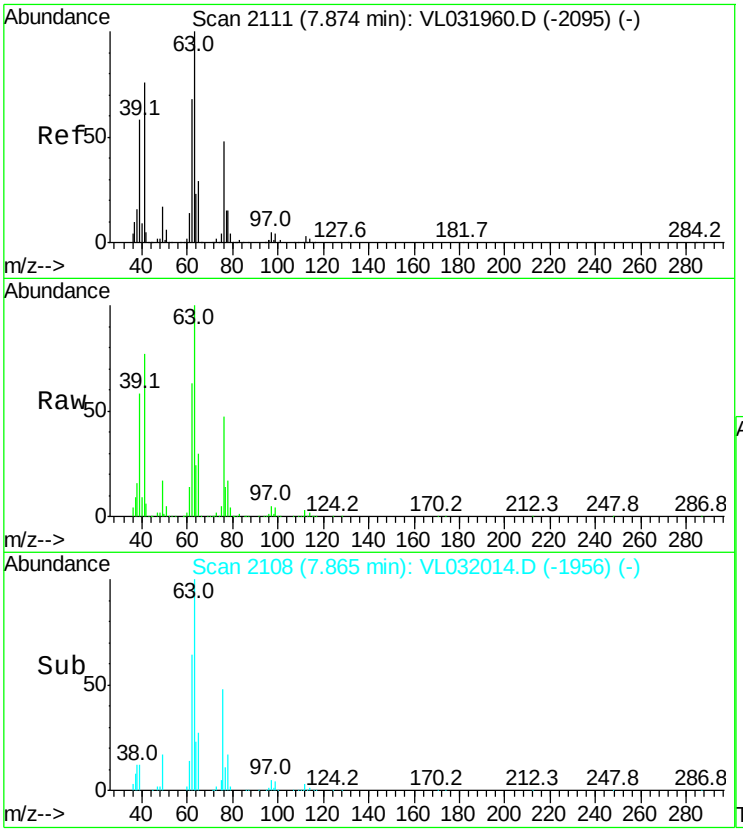




#38
Trichloroethene
Concen: 10.14 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:130 Resp: 906273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 112.8 | 90.7 | 136.1 |
| 132 | 93.5 | 74.3 | 111.5 |
| 97 | 75.0 | 57.3 | 85.9 |



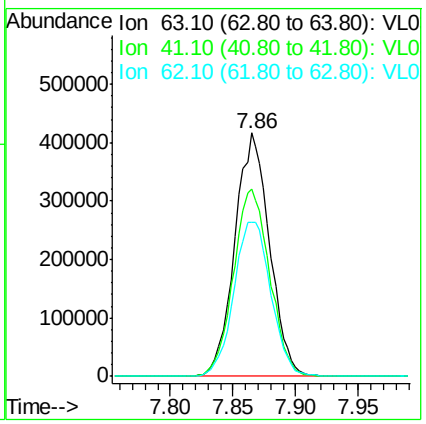


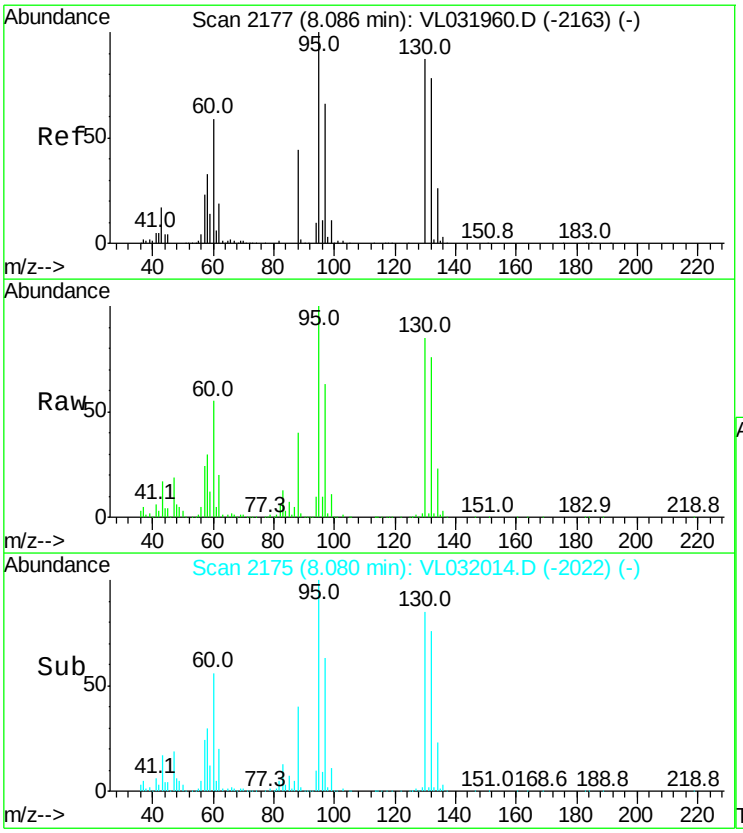

#39
1,2-Dichloropropane
Concen: 9.79 ppbv
RT: 7.86 min Scan# 2108
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 63 Resp: 801535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 77.0 | 60.7 | 91.1 |
| 62 | 63.1 | 54.7 | 82.1 |

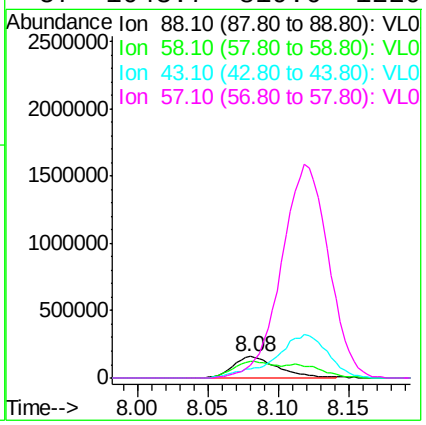


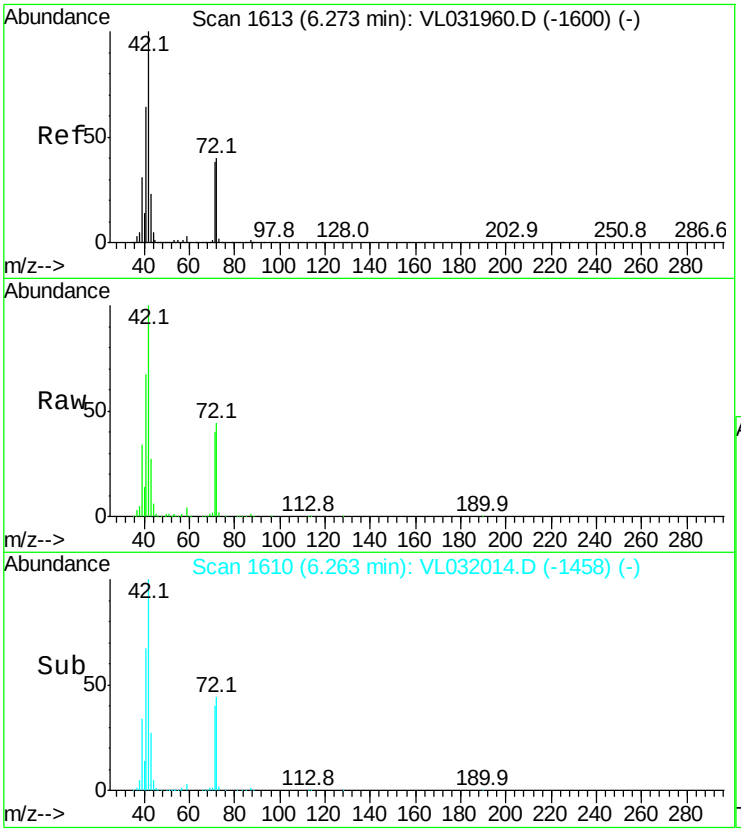




#40
1,4-Dioxane
Concen: 9.60 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 88 Resp: 354385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 124.6 | 94.9 | 142.3 |
| 43 | 240.2 | 188.2 | 282.2 |
| 57 | 1043.7 | 819.6 | 1229.4 |



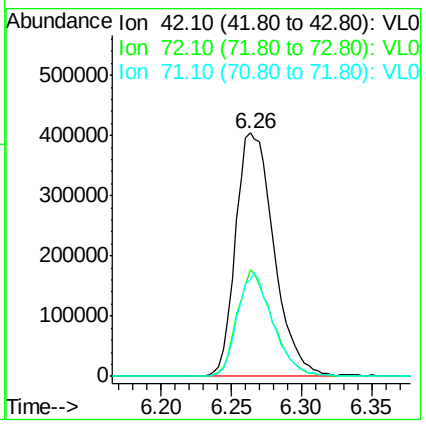


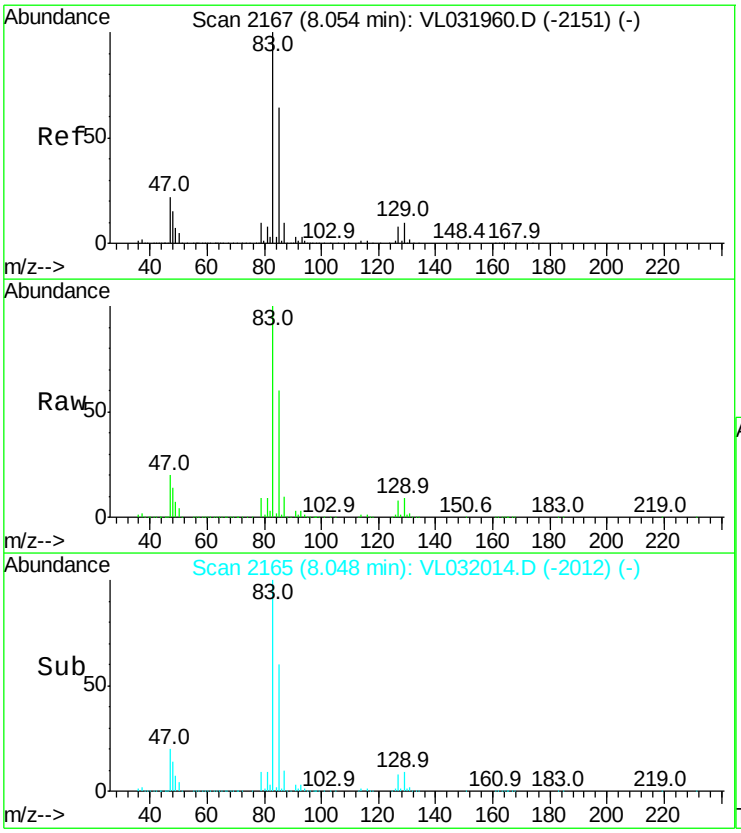

#41
Tetrahydrofuran
Concen: 8.57 ppbv
RT: 6.26 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 42 Resp: 769064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.7 | 32.3 | 48.5 |
| 71 | 39.8 | 31.4 | 47.2 |

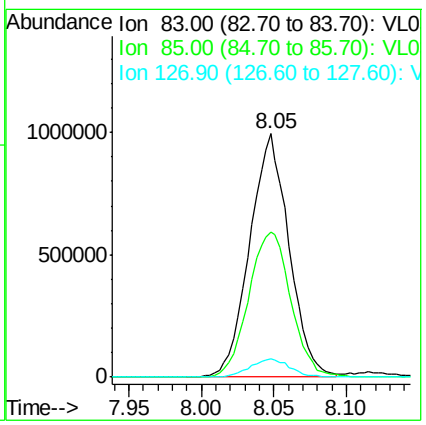


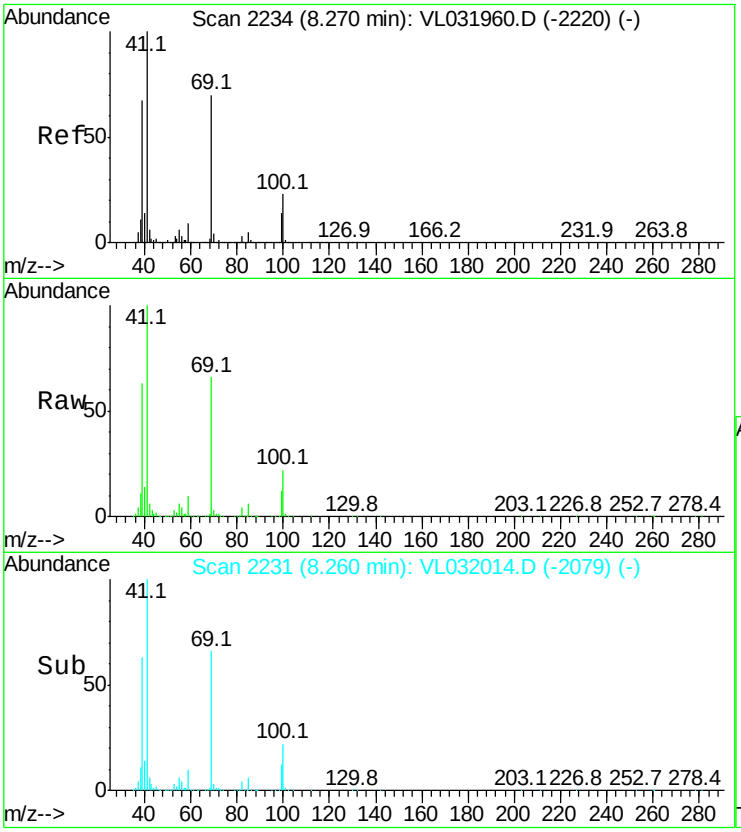




#42
Bromodichloromethane
Concen: 9.95 ppbv
RT: 8.05 min Scan# 2165
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 83 Resp: 1876585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.8 | 51.0 | 76.6 |
| 127 | 7.6 | 6.7 | 10.1 |



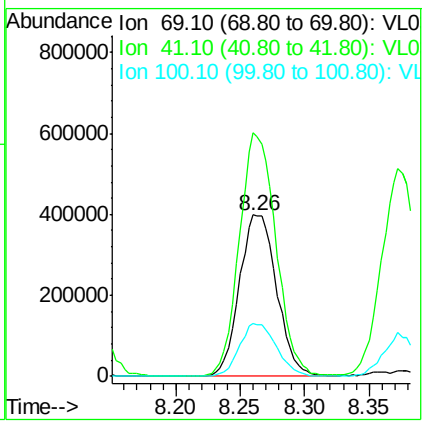


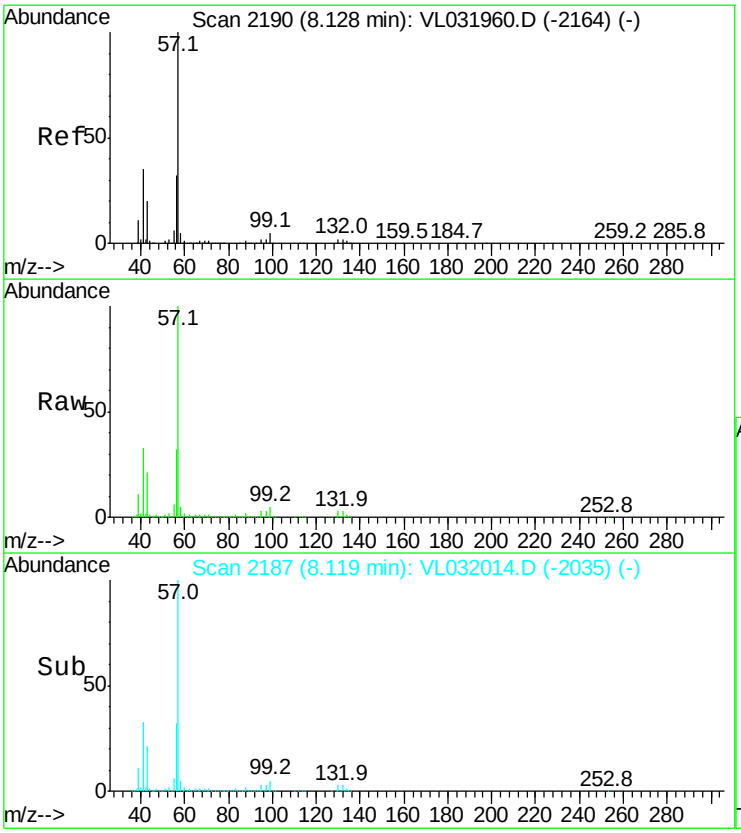

#43
Methyl Methacrylate
Concen: 10.14 ppbv
RT: 8.26 min Scan# 2231
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 69 Resp: 803685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 147.9 | 119.4 | 179.2 |
| 100 | 32.5 | 26.0 | 39.0 |

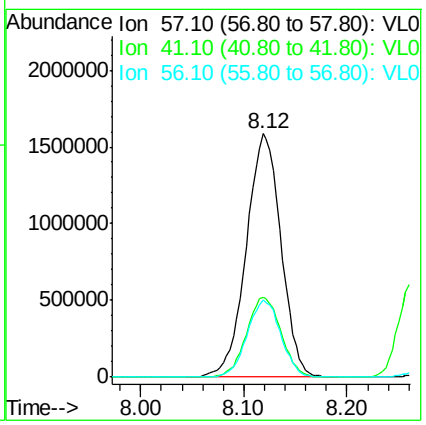


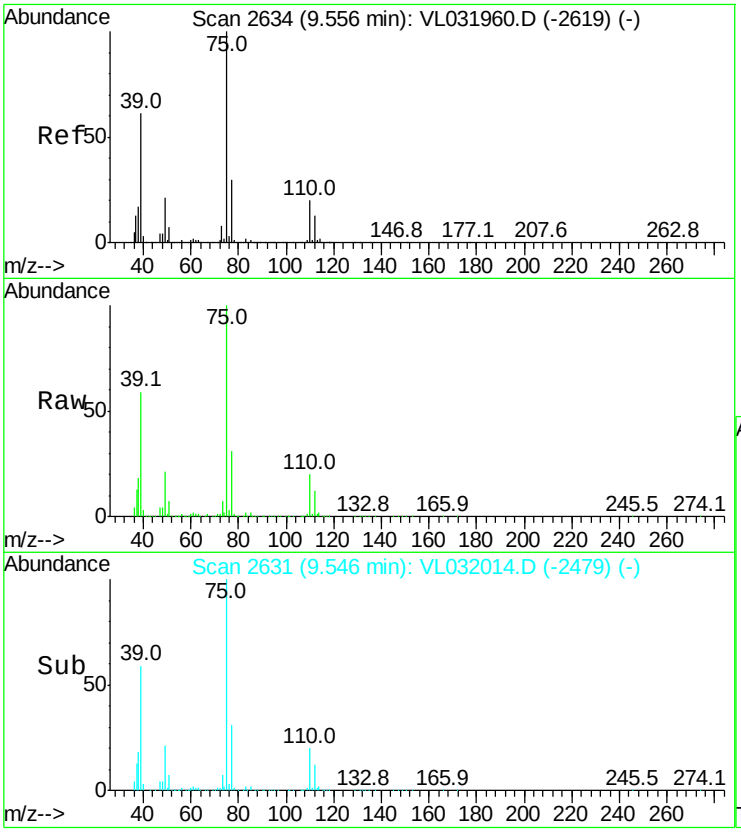




#44
2,2,4-Trimethylpentane
Concen: 9.73 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 57 Resp: 3692627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 32.6 | 26.6 | 39.8 |
| 56 | 30.7 | 24.4 | 36.6 |



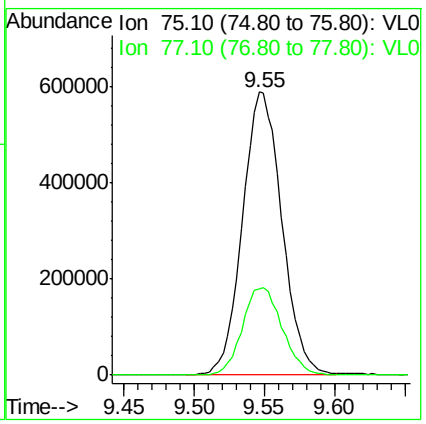


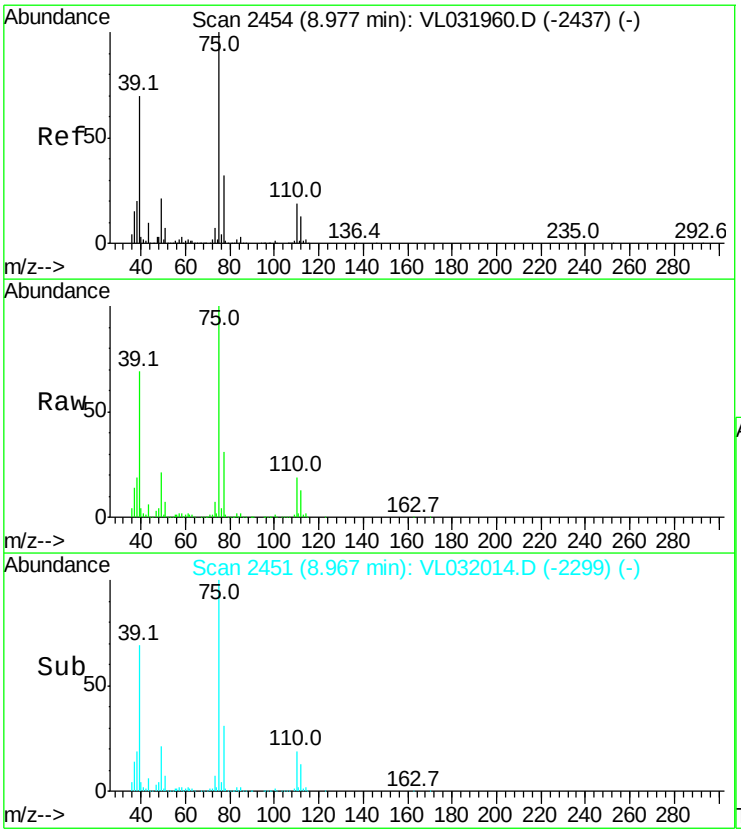

#45
t-1,3-Dichloropropene
Concen: 10.93 ppbv
RT: 9.55 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 75 Resp: 1148305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 24.4 | 36.6 |

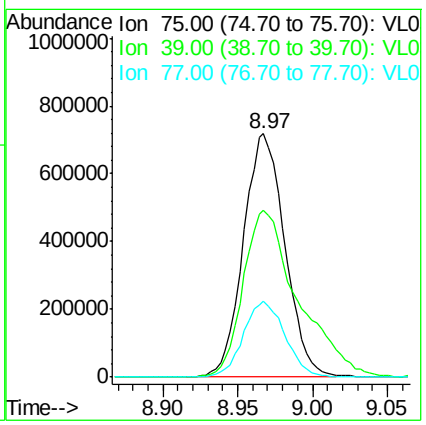


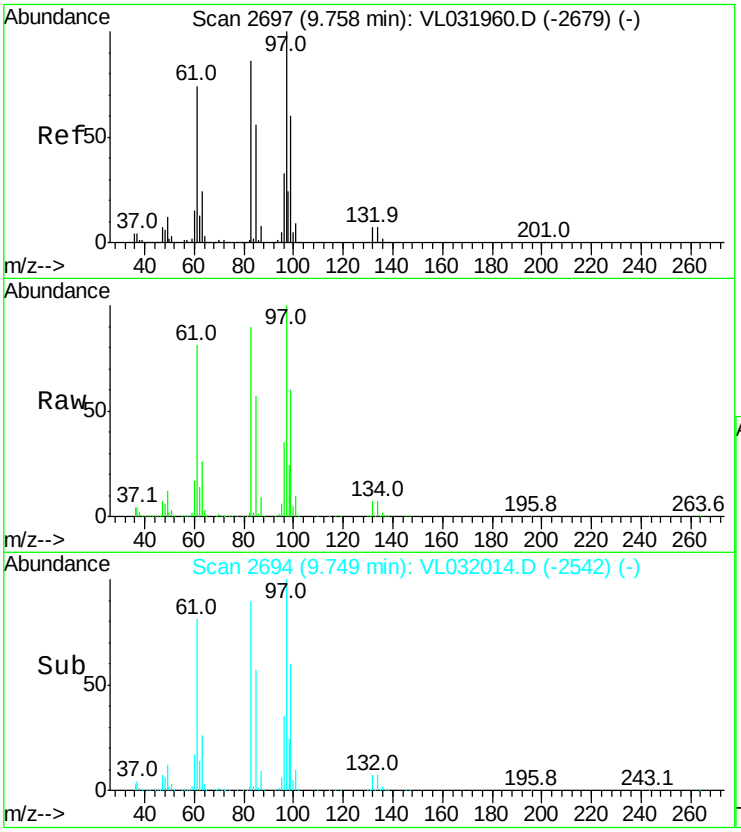




#46
cis-1,3-Dichloropropene
Concen: 10.65 ppbv
RT: 8.97 min Scan# 2451
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 75 Resp: 1381287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 68.6 | 55.7 | 83.5 |
| 77 | 31.5 | 25.9 | 38.9 |



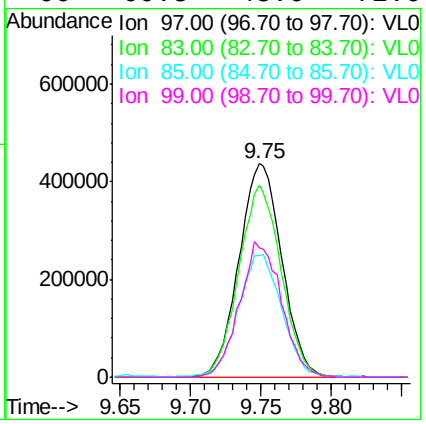


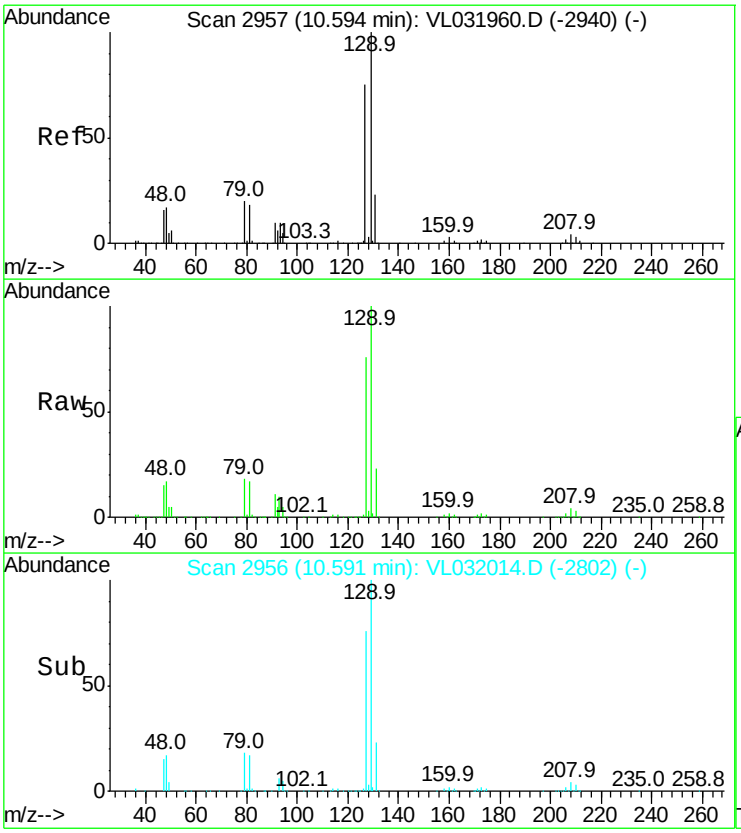

#47
1,1,2-Trichloroethane
Concen: 9.56 ppbv
RT: 9.75 min Scan# 2694
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 97 Resp: 925988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.0 | 69.0 | 103.4 |
| 85 | 56.5 | 45.0 | 67.6 |
| 99 | 60.3 | 48.0 | 72.0 |

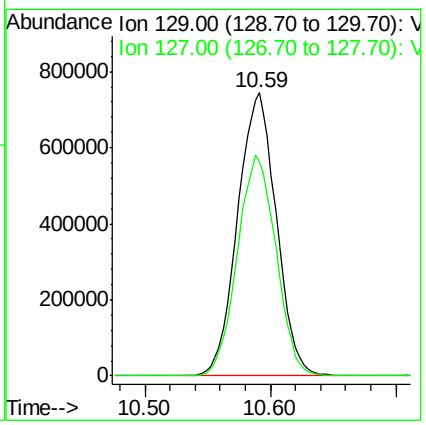


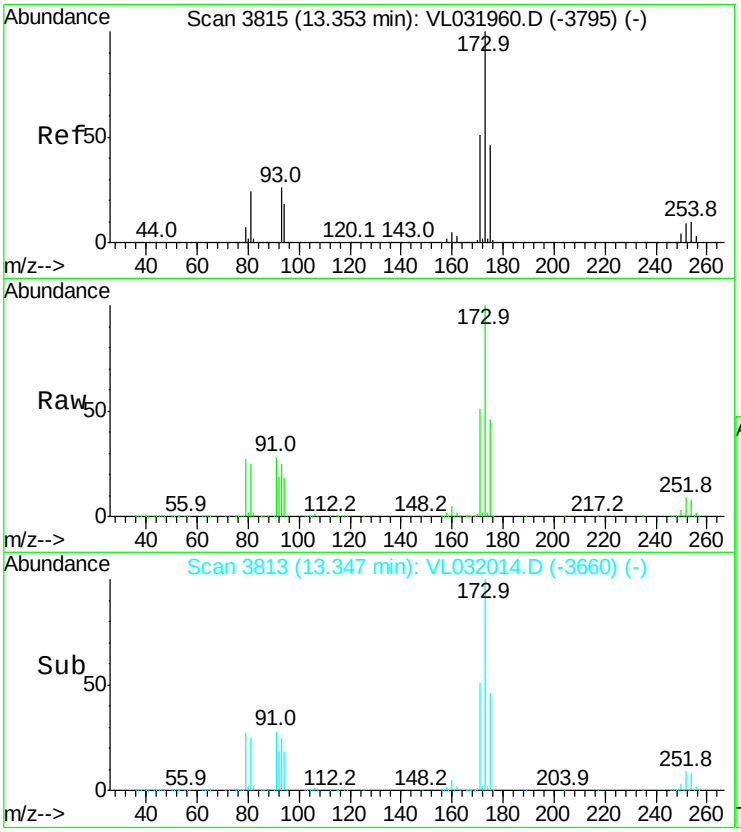




#48
Dibromochloromethane
Concen: 10.25 ppbv
RT: 10.59 min Scan# 2956
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:129 Resp: 1593513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 39.1 | 117.2 |



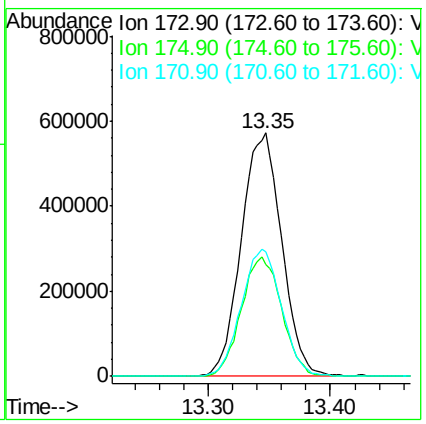


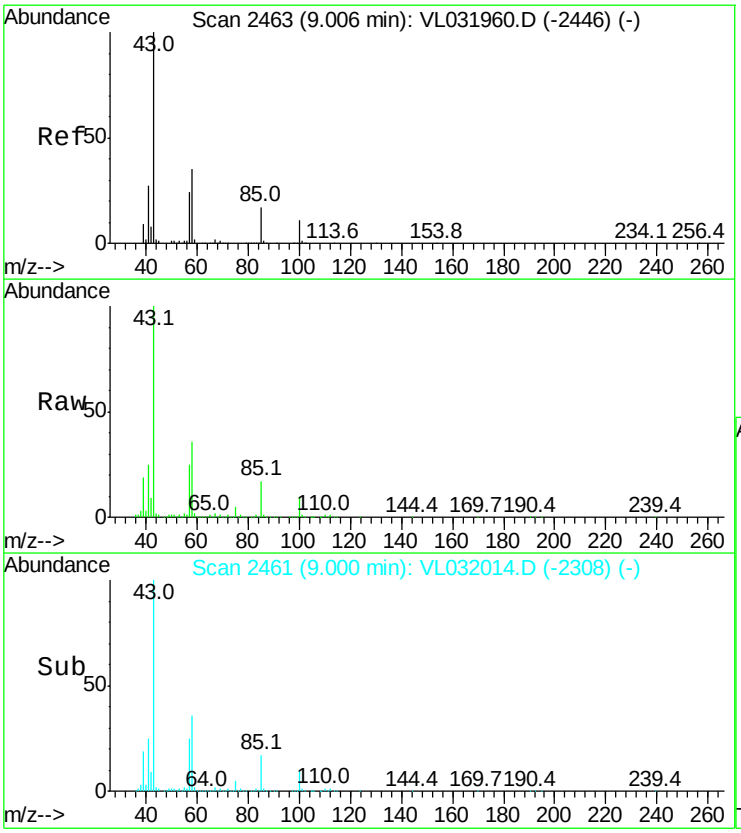

#49
Bromoform
Concen: 10.87 ppbv
RT: 13.35 min Scan# 3813
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:173 Resp: 1310176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.3 | 39.2 | 58.8 |
| 171 | 52.1 | 41.5 | 62.3 |

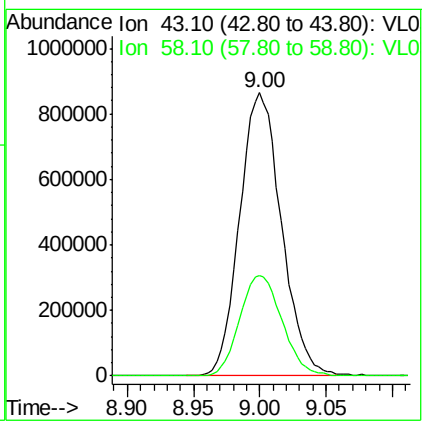


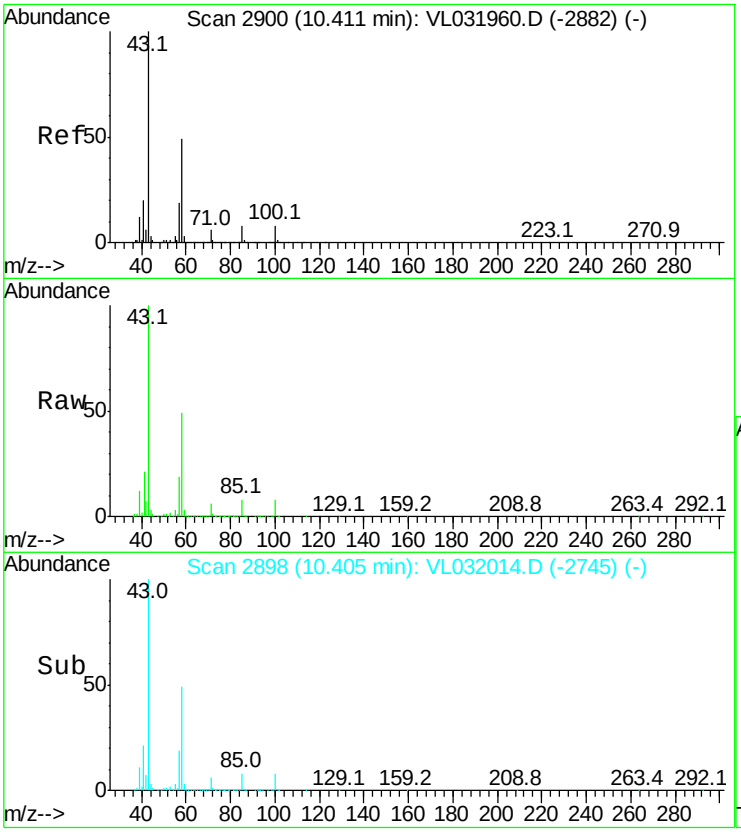




#50
4-Methyl-2-Pentanone
Concen: 9.73 ppbv
RT: 9.00 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 43 Resp: 1893424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.2 | 28.6 | 42.8 |



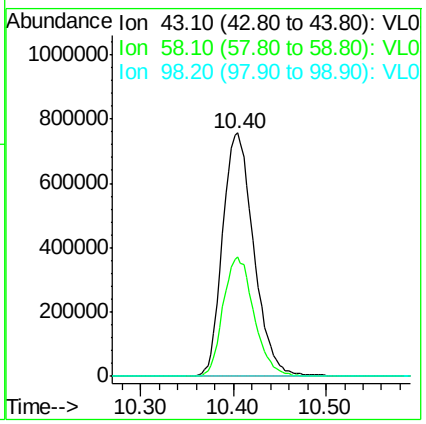


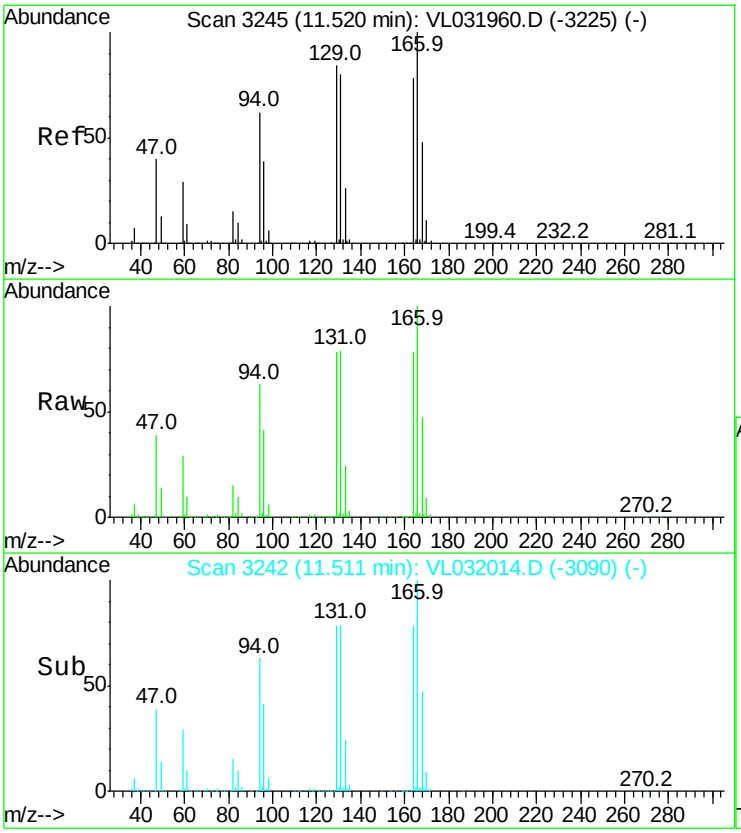

#51
2-Hexanone
Concen: 9.96 ppbv
RT: 10.40 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion: 43 Resp: 1764531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.5 | 38.6 | 58.0 |
| 98 | 0.3 | 0.2 | 0.2# |

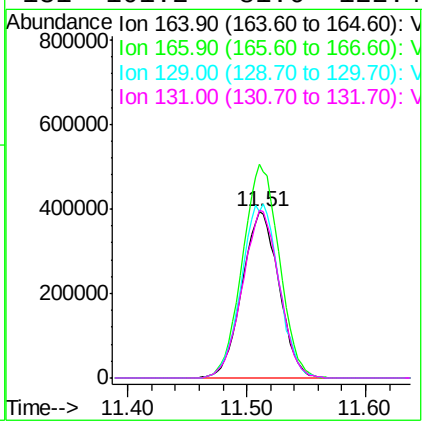


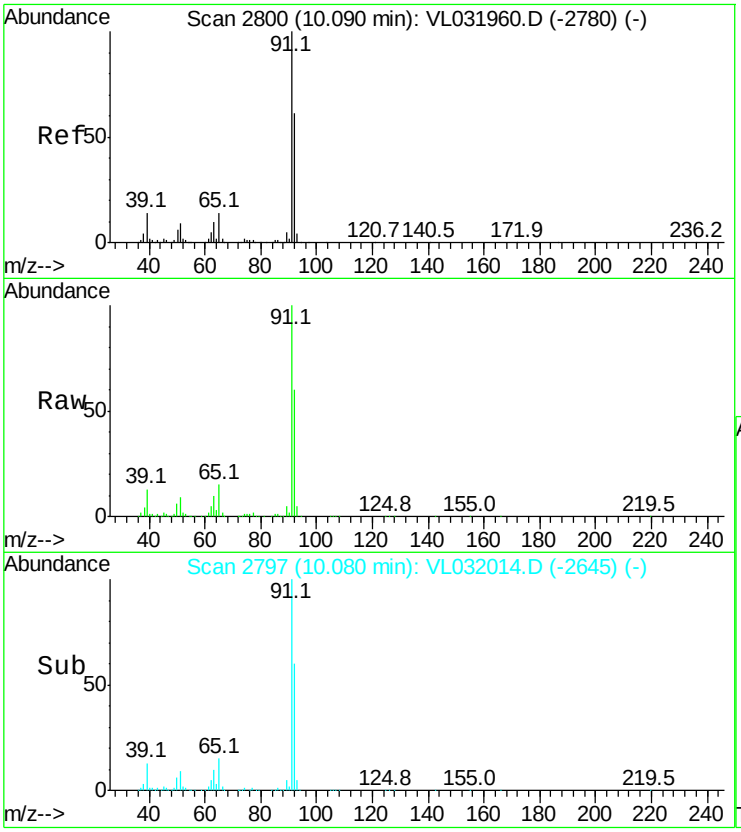




#52
Tetrachloroethene
Concen: 9.65 ppbv
RT: 11.51 min Scan# 3242
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:164 Resp: 840707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.8 | 101.9 | 152.9 |
| 129 | 100.3 | 85.8 | 128.6 |
| 131 | 101.2 | 81.6 | 122.4 |



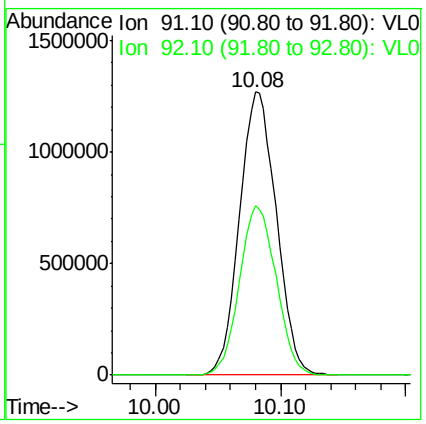


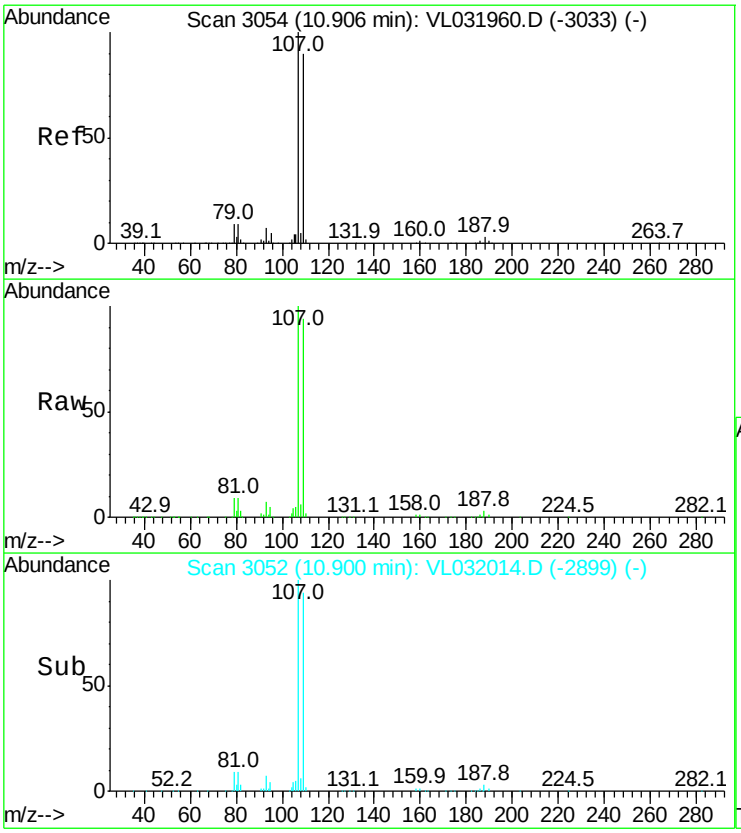

#53
Toluene
Concen: 10.20 ppbv
RT: 10.08 min Scan# 2797
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 91 Resp: 2587696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.6 | 47.4 | 71.2 |

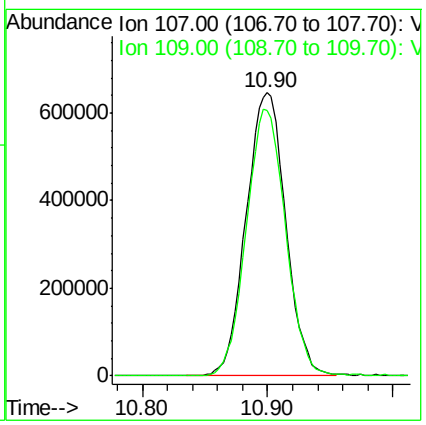


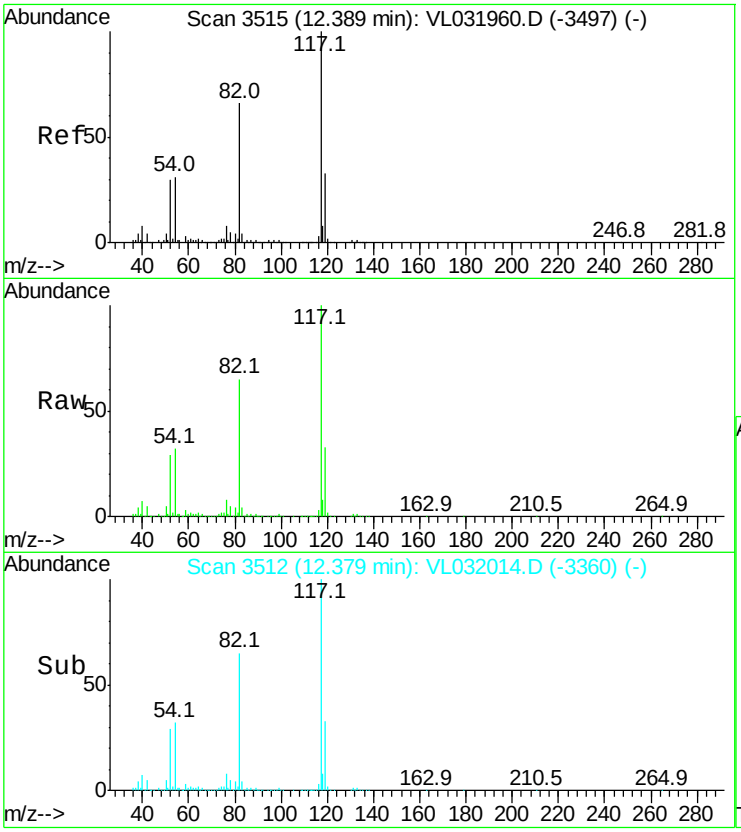




#54
1,2-Dibromoethane
Concen: 9.79 ppbv
RT: 10.90 min Scan# 3052
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:107 Resp: 1414213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.6 | 72.1 | 108.1 |



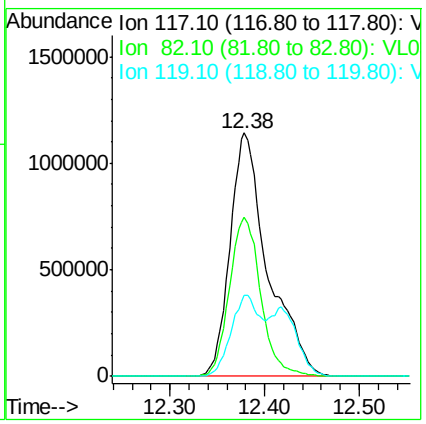


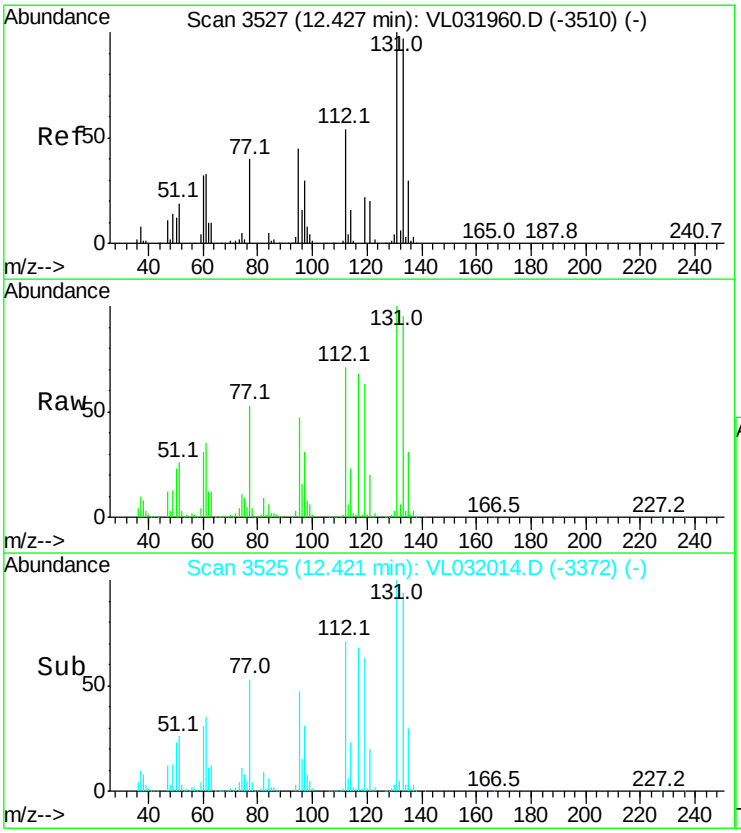

#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:117 Resp: 3170510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.3 | 51.6 | 77.4 |
| 119 | 24.8 | 44.2 | 66.4# |

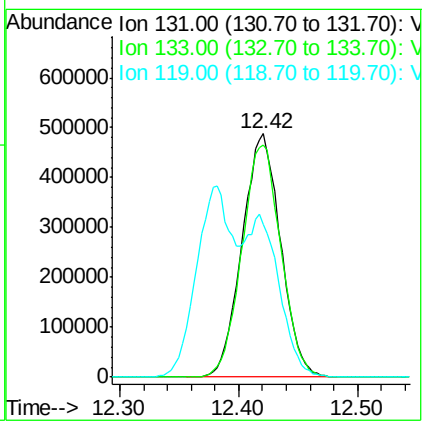


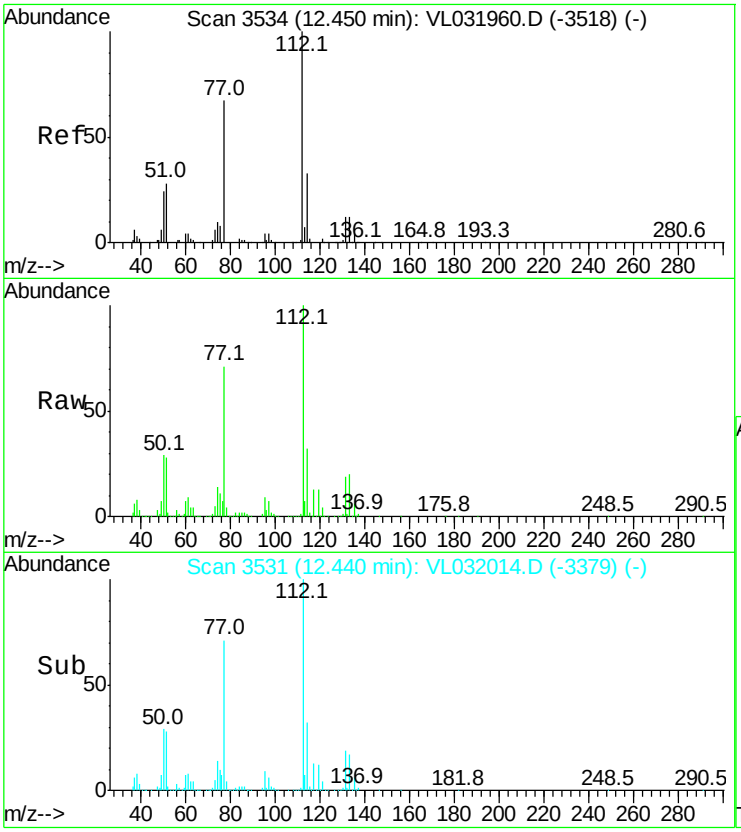




#56
1,1,1,2-Tetrachloroethane
Concen: 7.56 ppbv
RT: 12.42 min Scan# 3525
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:131 Resp: 1091017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.1 | 76.2 | 114.4 |
| 119 | 58.5 | 44.7 | 67.1 |



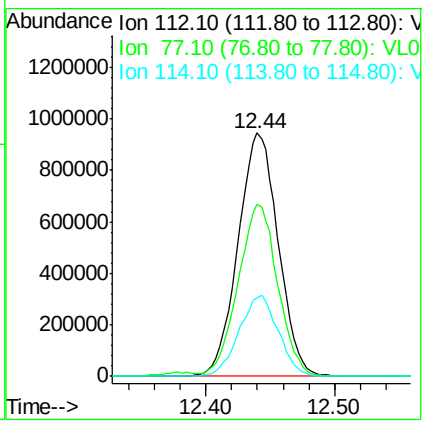


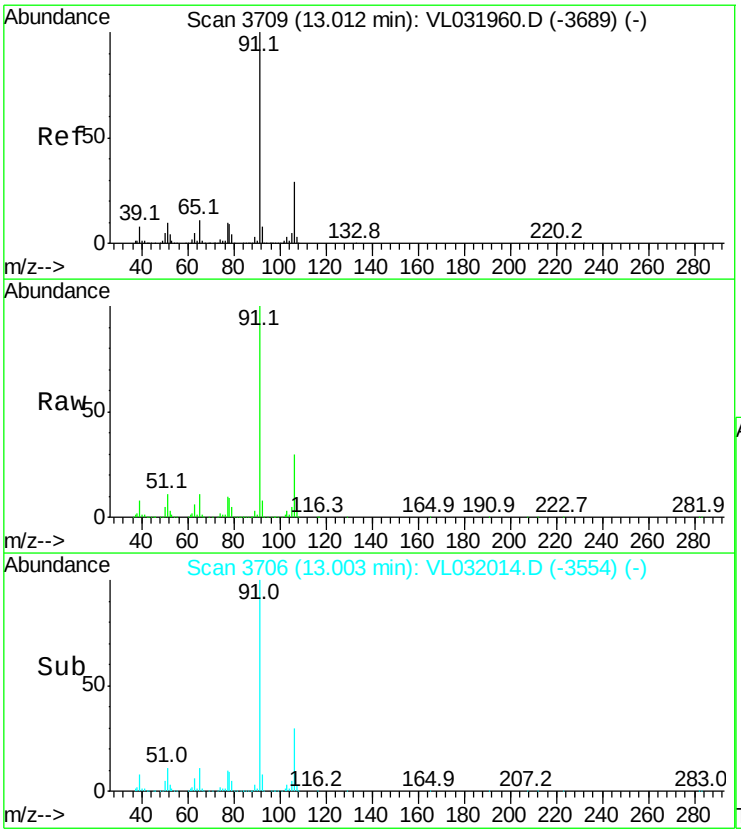

#57
Chlorobenzene
Concen: 7.46 ppbv
RT: 12.44 min Scan# 3531
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion:112 Resp: 2040997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 70.5 | 54.6 | 82.0 |
| 114 | 31.9 | 29.2 | 35.6 |

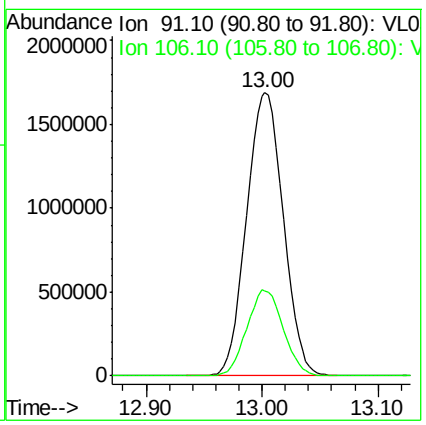


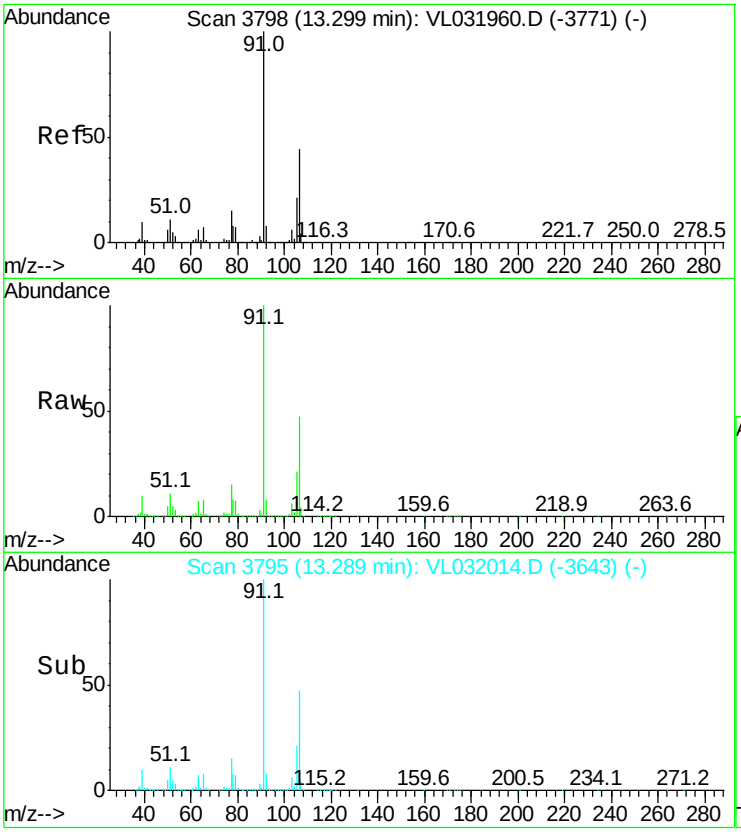




#58
Ethyl Benzene
Concen: 8.22 ppbv
RT: 13.00 min Scan# 3706
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 3732327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 23.4 | 35.2 |



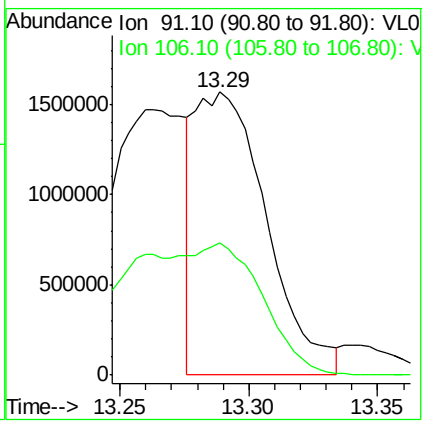


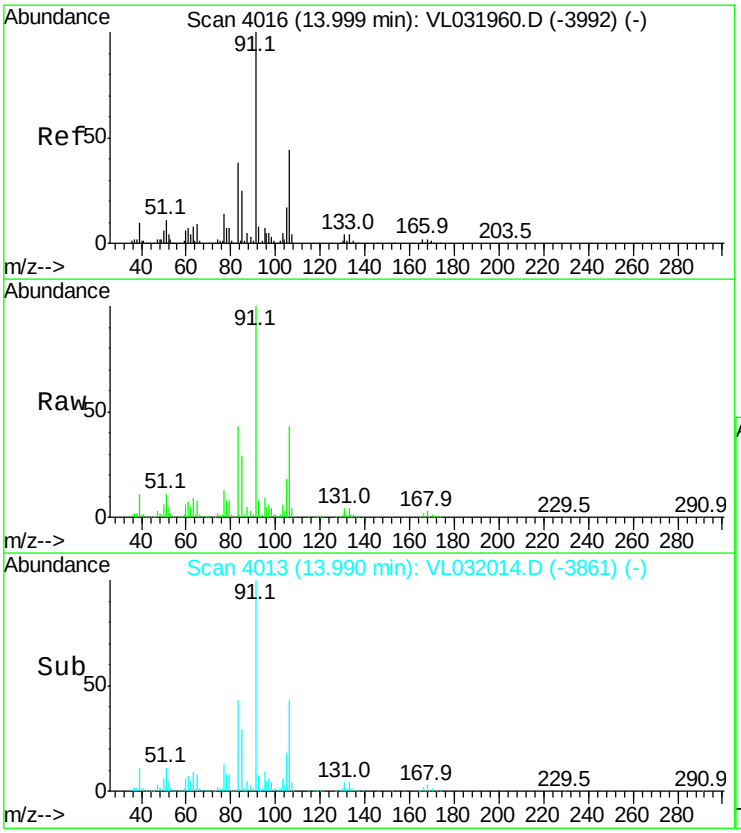

#59
m/p-Xylene
Concen: 7.80 ppbv
RT: 13.29 min Scan# 3795
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 91 Resp: 3005604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 92.1 | 35.9 | 53.9# |

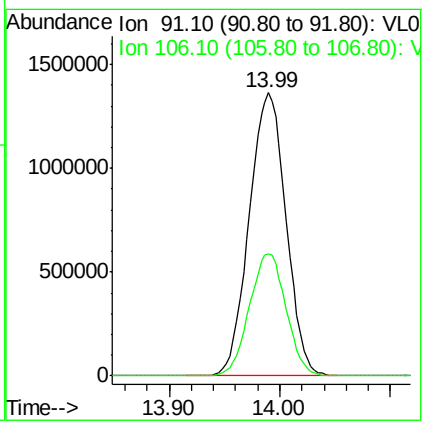


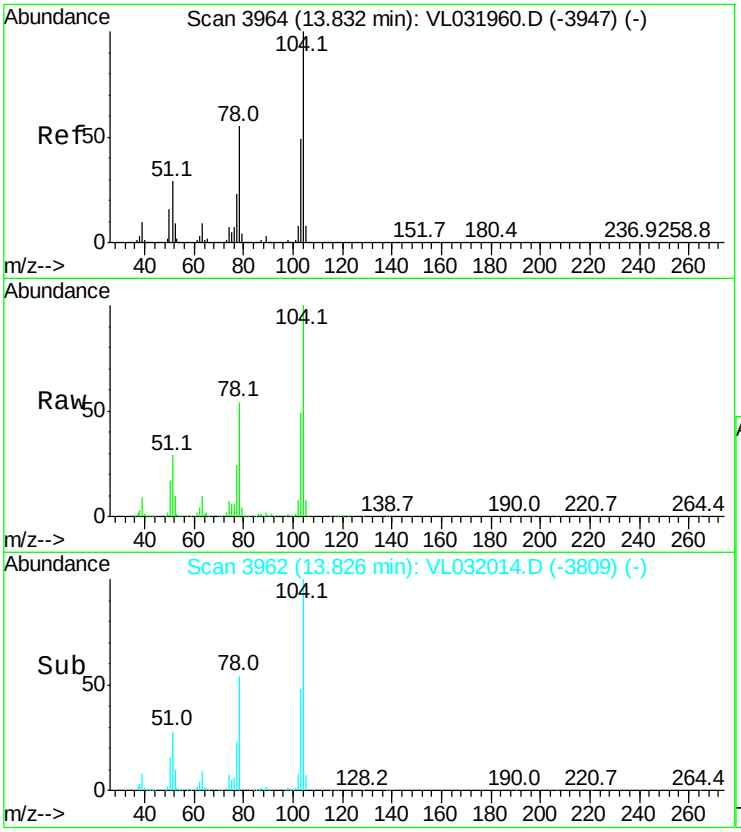




#60
o-Xylene
Concen: 8.14 ppbv
RT: 13.99 min Scan# 4013
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 3145960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 43.1 | 21.5 | 64.5 |



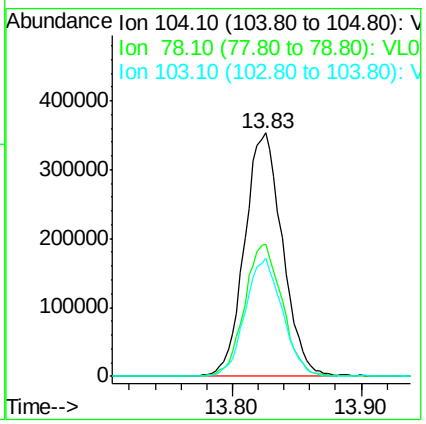


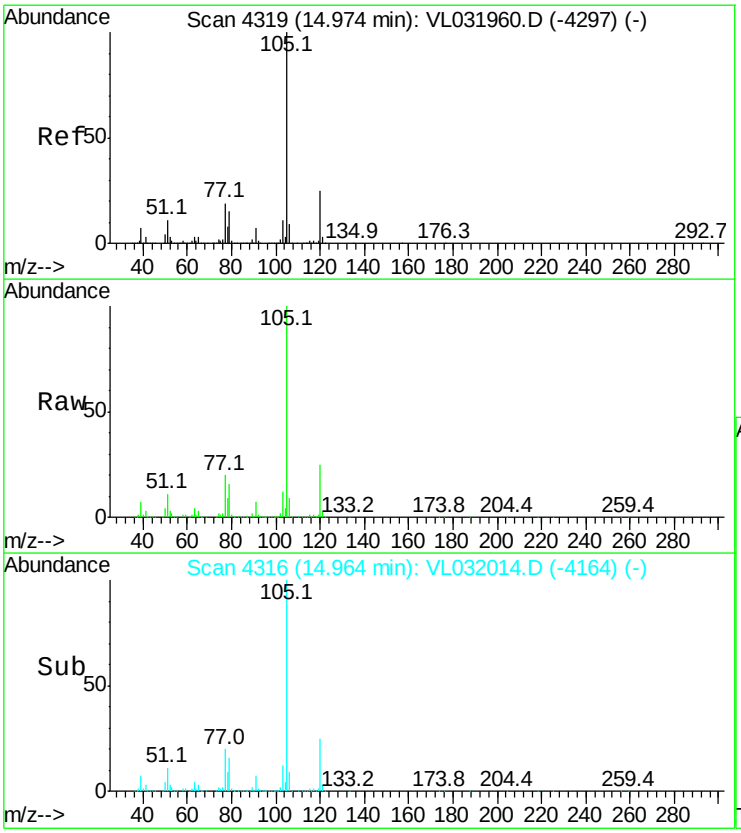

#61
Styrene
Concen: 9.22 ppbv
RT: 13.83 min Scan# 3962
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:104 Resp: 722424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.4 | 43.8 | 65.8 |
| 103 | 47.5 | 38.4 | 57.6 |

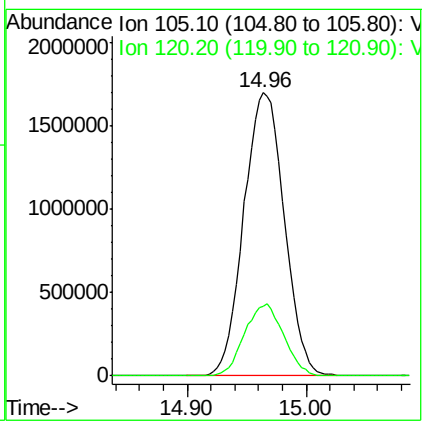


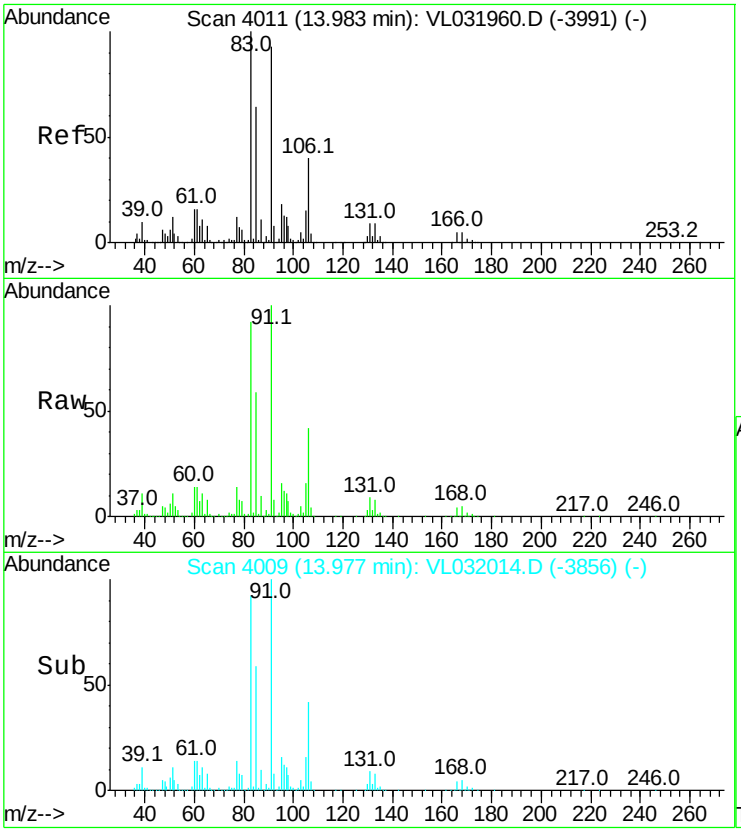




#62
Isopropylbenzene
Concen: 8.09 ppbv
RT: 14.96 min Scan# 4316
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3998895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.8 | 19.9 | 29.9 |



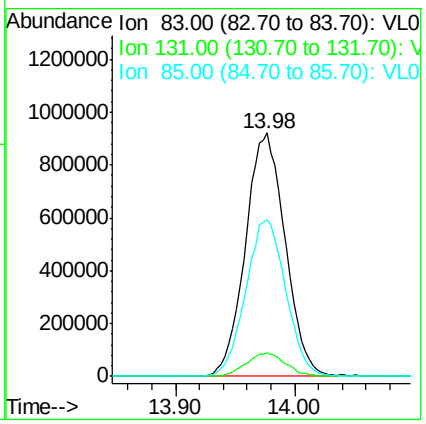


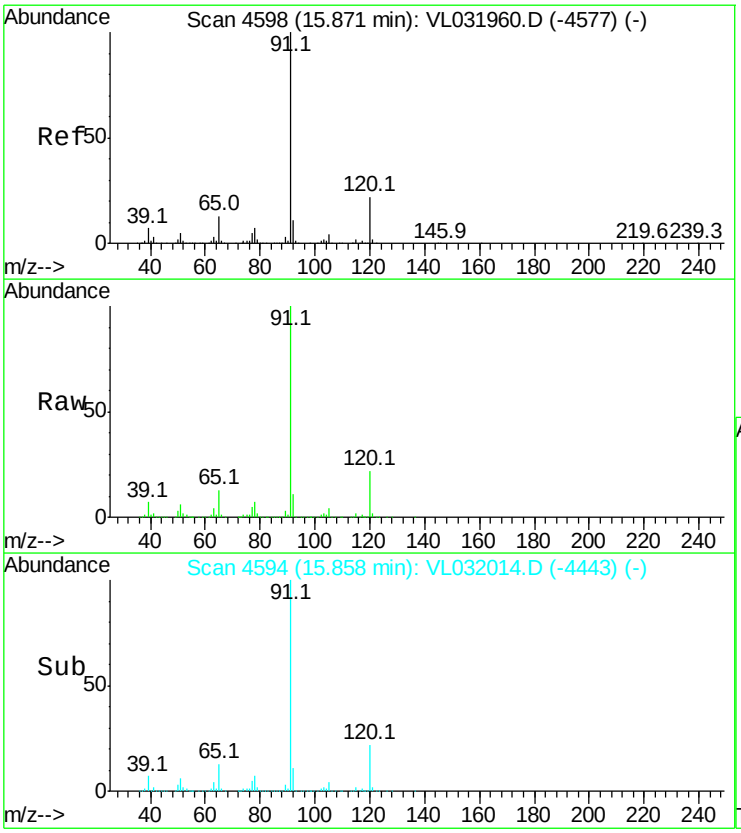

#63
1,1,2,2-Tetrachloroethane
Concen: 7.75 ppbv
RT: 13.98 min Scan# 4009
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 83 Resp: 2128288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 4.9 | 14.7 |
| 85 | 65.2 | 32.7 | 98.1 |

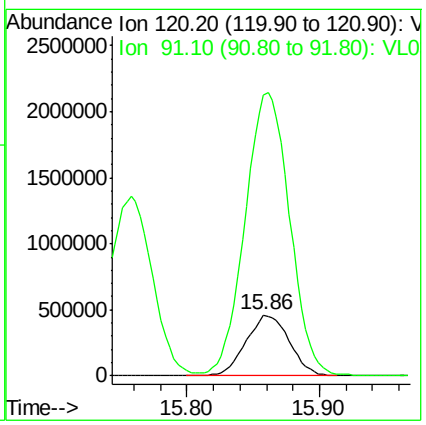


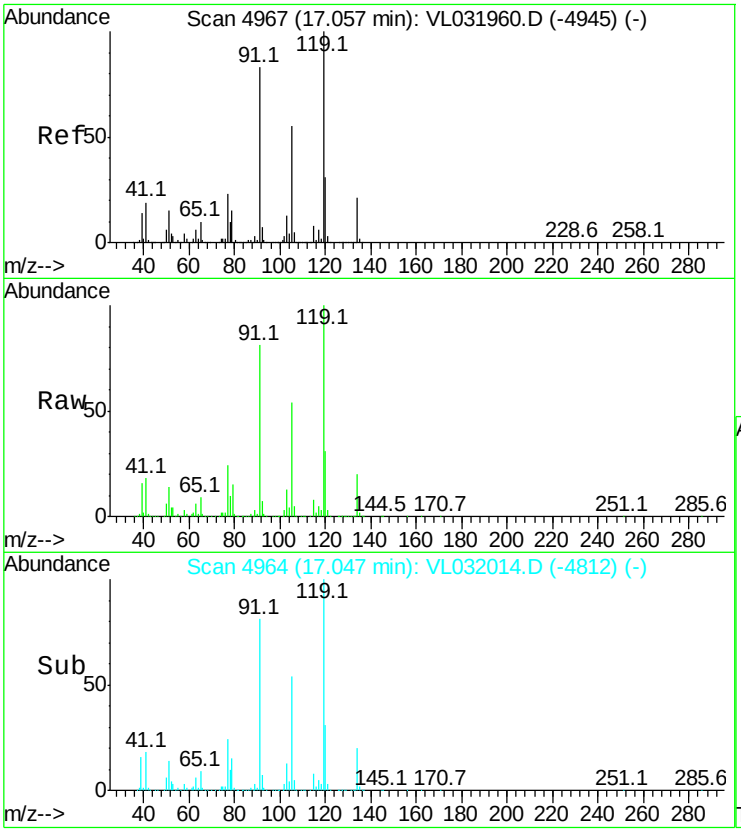




#64
n-propylbenzene
Concen: 8.50 ppbv
RT: 15.86 min Scan# 4594
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:120 Resp: 1052811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 477.9 | 388.6 | 583.0 |



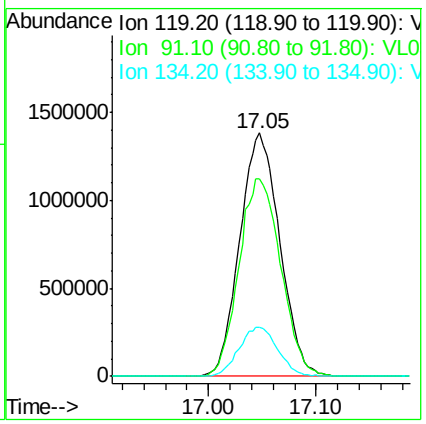


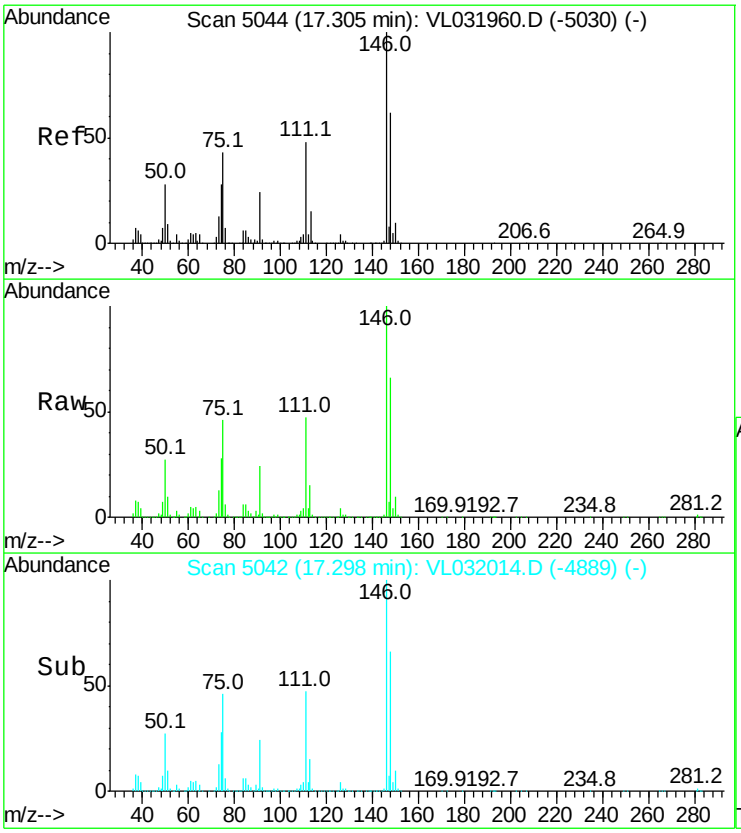

#65
tert-Butylbenzene
Concen: 8.08 ppbv
RT: 17.05 min Scan# 4964
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:119 Resp: 3561693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 85.2 | 68.1 | 102.1 |
| 134 | 19.5 | 15.4 | 23.0 |

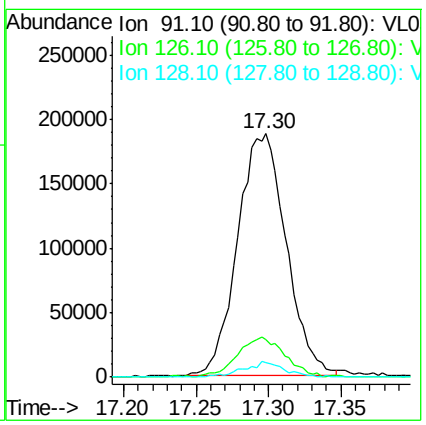


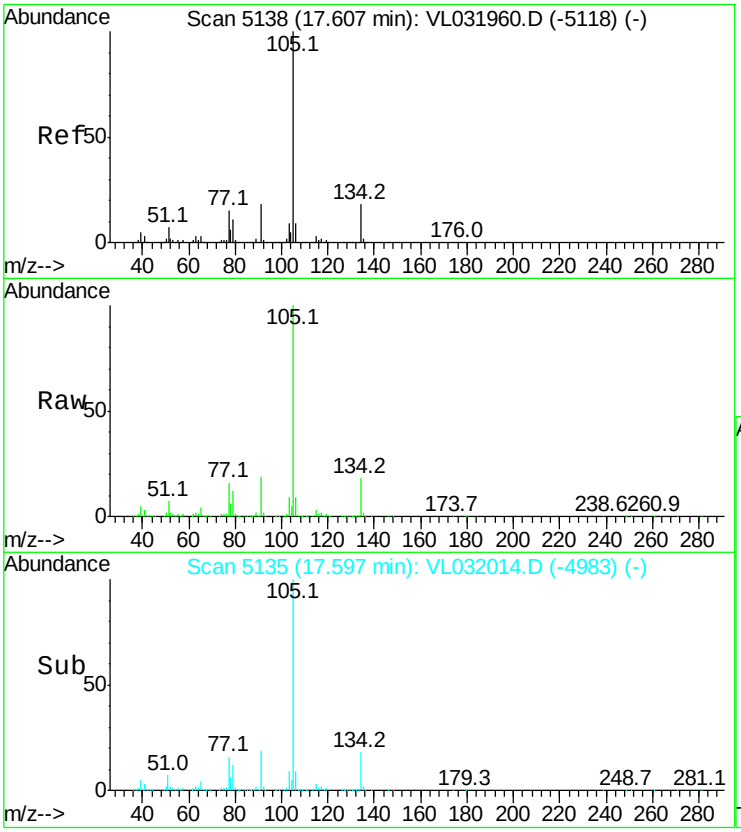




#66
Benzyl Chloride
Concen: 10.90 ppbv
RT: 17.30 min Scan# 5042
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 436313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 16.8 | 13.4 | 20.0 |
| 128 | 5.5 | 4.6 | 6.8 |



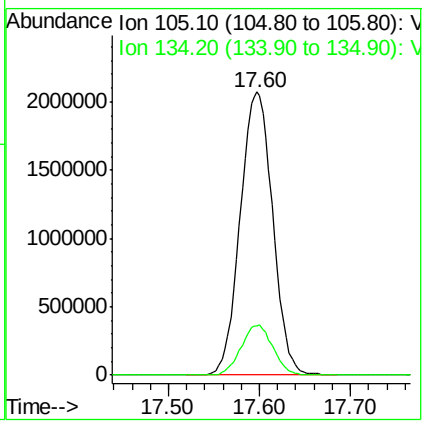


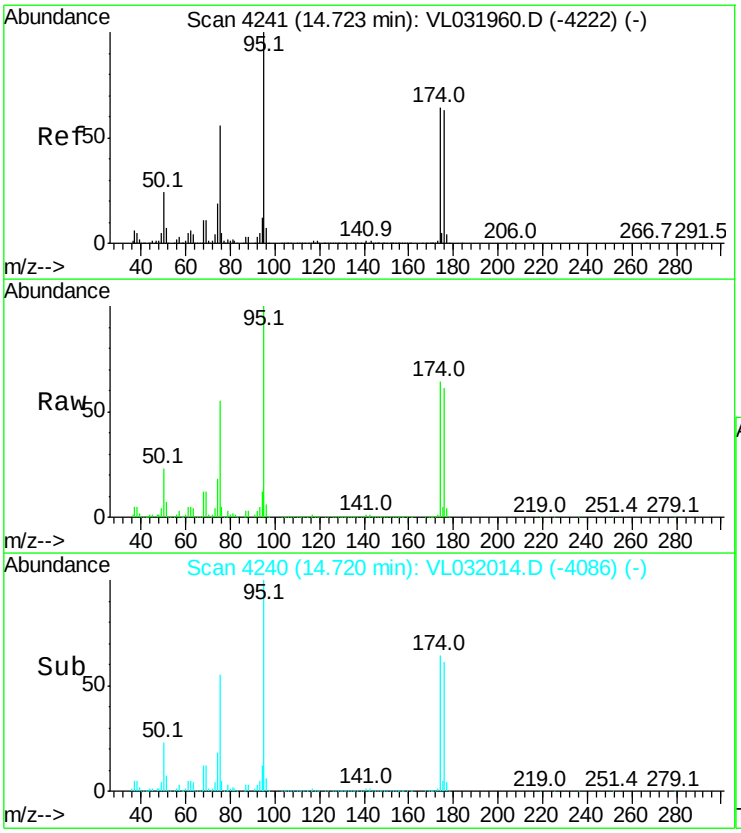

#67
sec-Butylbenzene
Concen: 8.36 ppbv
RT: 17.60 min Scan# 5135
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:105 Resp: 5117051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.5 | 14.2 | 21.4 |

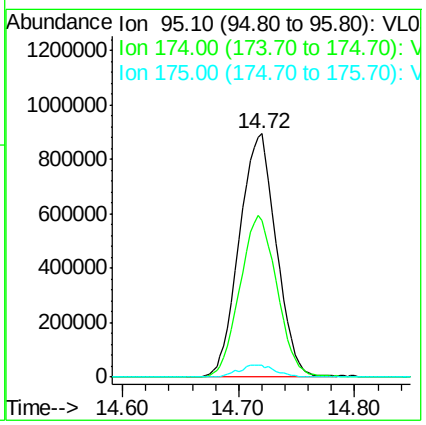


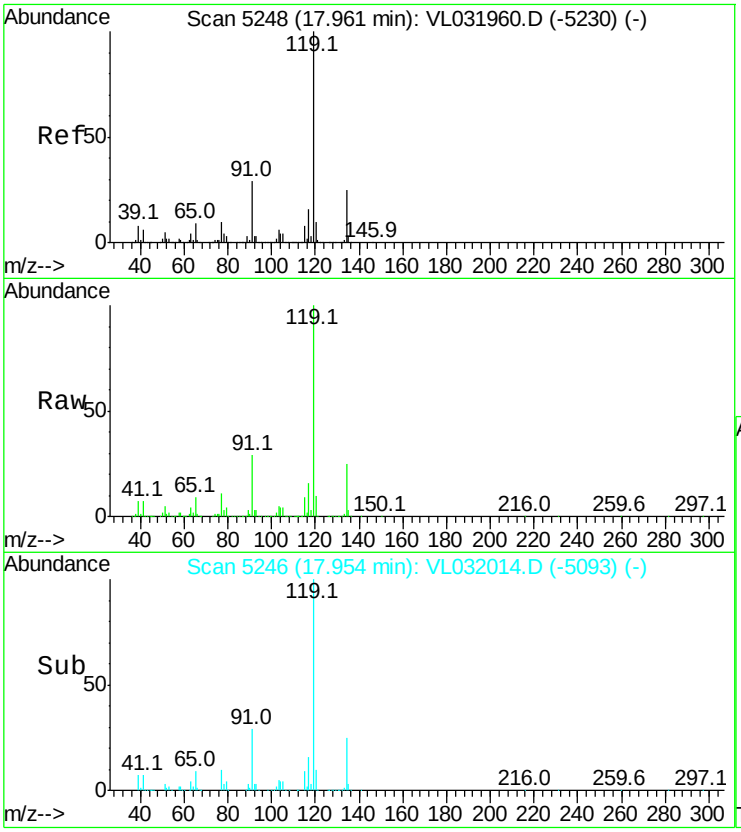




#68
1-Bromo-4-Fluorobenzene
Concen: 8.09 ppbv
RT: 14.72 min Scan# 4240
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 95 Resp: 1989350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 67.0 | 53.0 | 79.6 |
| 175 | 5.0 | 3.9 | 5.9 |



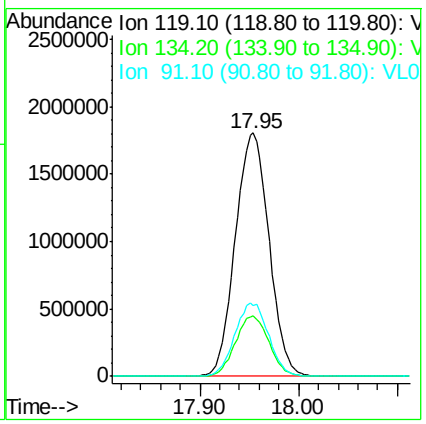


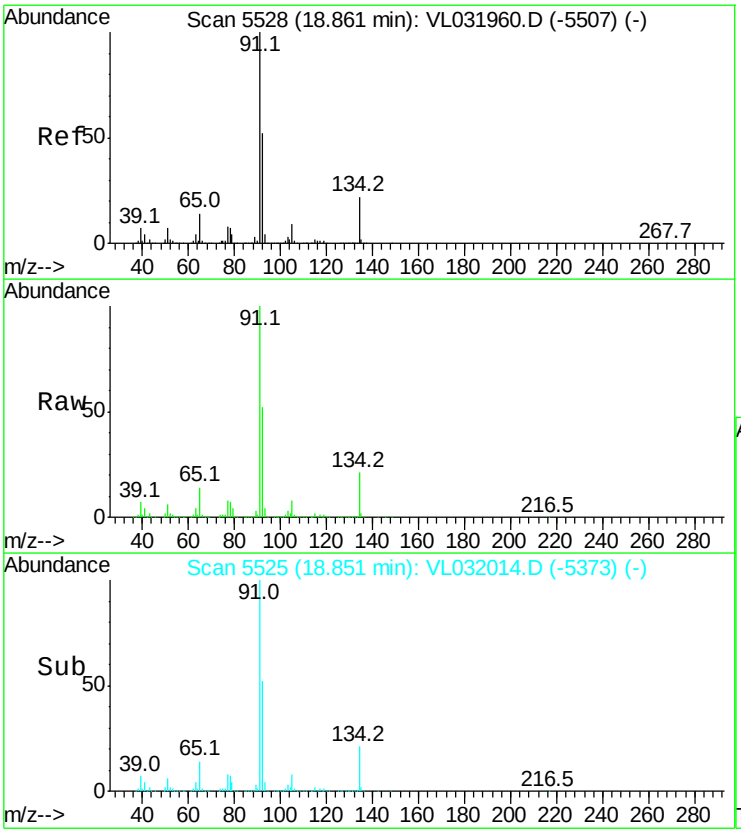

#69
p-Isopropyltoluene
Concen: 8.68 ppbv
RT: 17.95 min Scan# 5246
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010EC

Tgt Ion:119 Resp: 4270191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.8 | 19.8 | 29.8 |
| 91 | 30.0 | 23.8 | 35.6 |

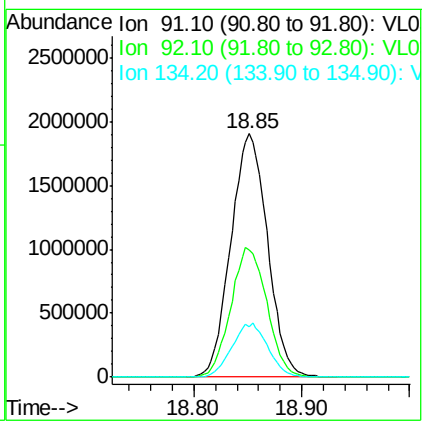


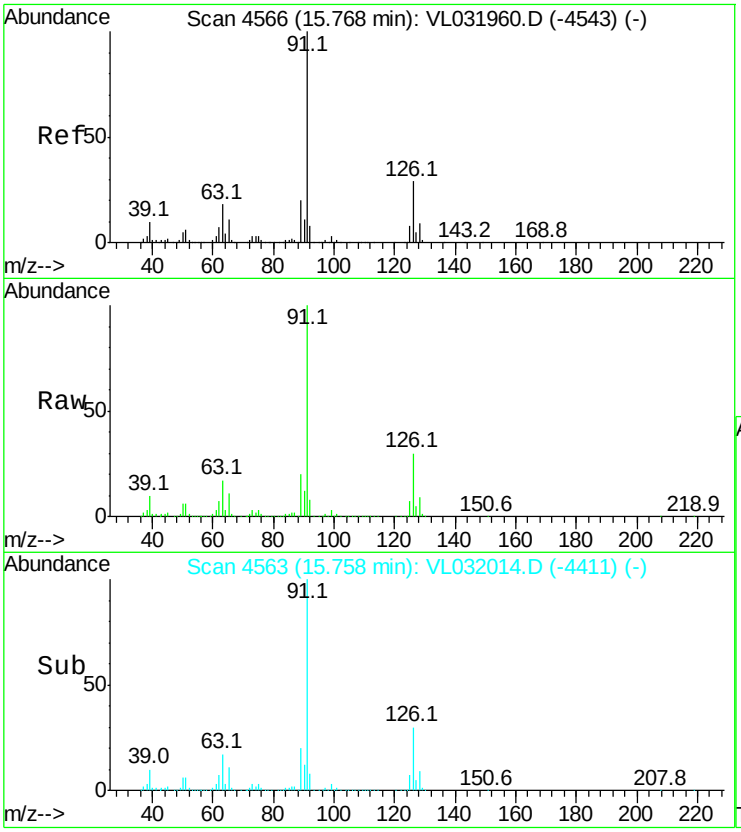




#70
n-Butylbenzene
Concen: 8.83 ppbv
RT: 18.85 min Scan# 5525
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion: 91 Resp: 4491246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 41.8 | 62.8 |
| 134 | 21.8 | 17.6 | 26.4 |



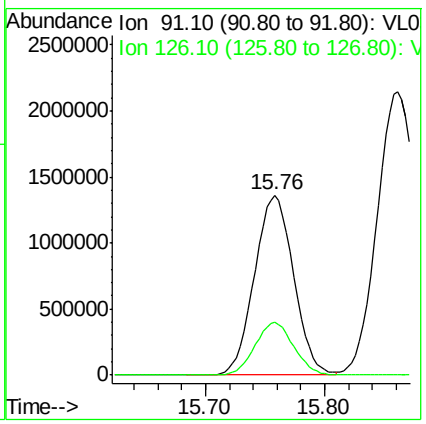


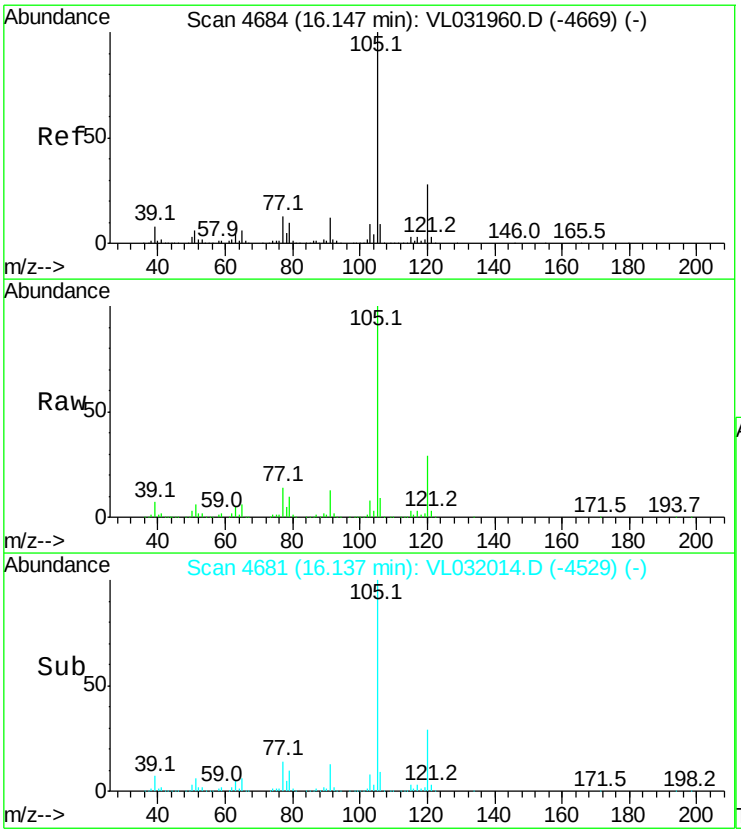

#71
2-Chlorotoluene
Concen: 8.57 ppbv
RT: 15.76 min Scan# 4563
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion: 91 Resp: 3101306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.4 | 11.8 | 47.2 |

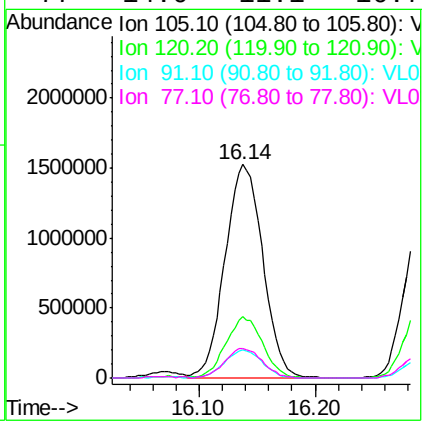


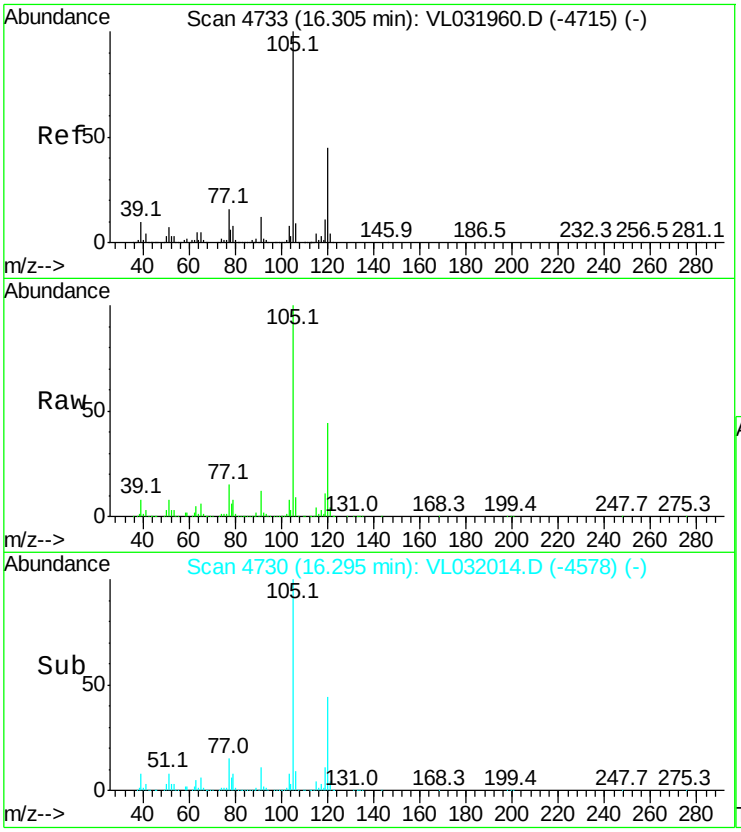




#72
4-Ethyltoluene
Concen: 8.74 ppbv
RT: 16.14 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3428458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.2 | 22.6 | 33.8 |
| 91 | 13.1 | 10.5 | 15.7 |
| 77 | 14.0 | 11.1 | 16.7 |



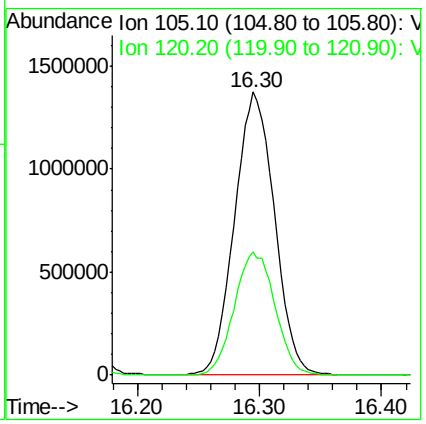


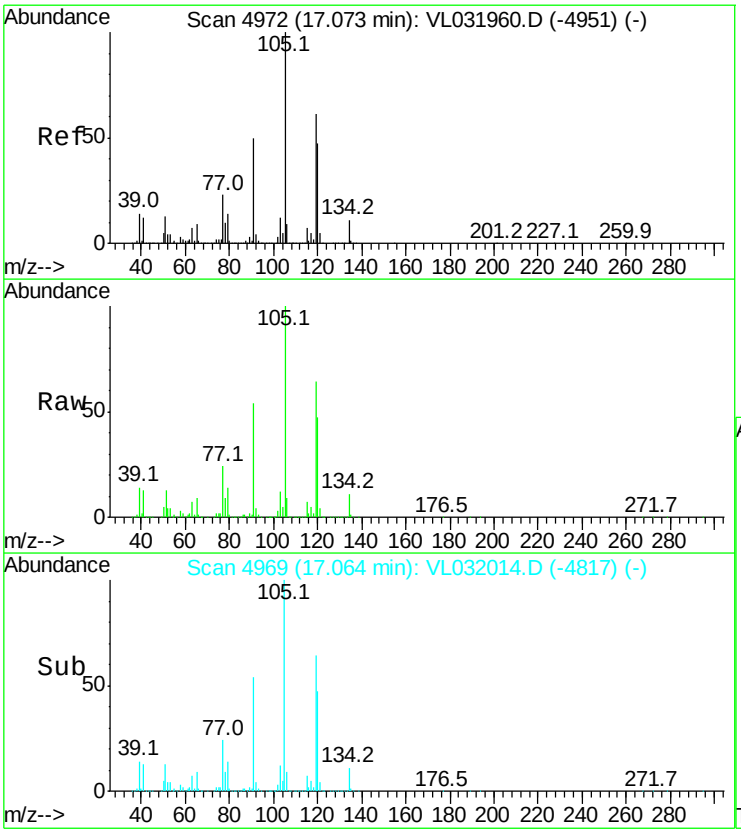

#73
1,3,5-Trimethylbenzene
Concen: 8.52 ppbv
RT: 16.30 min Scan# 4730
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:105 Resp: 3091388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 36.0 | 54.0 |

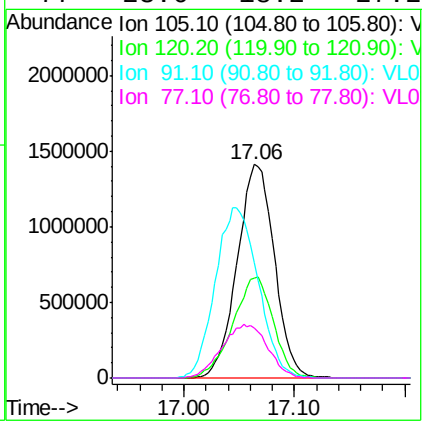


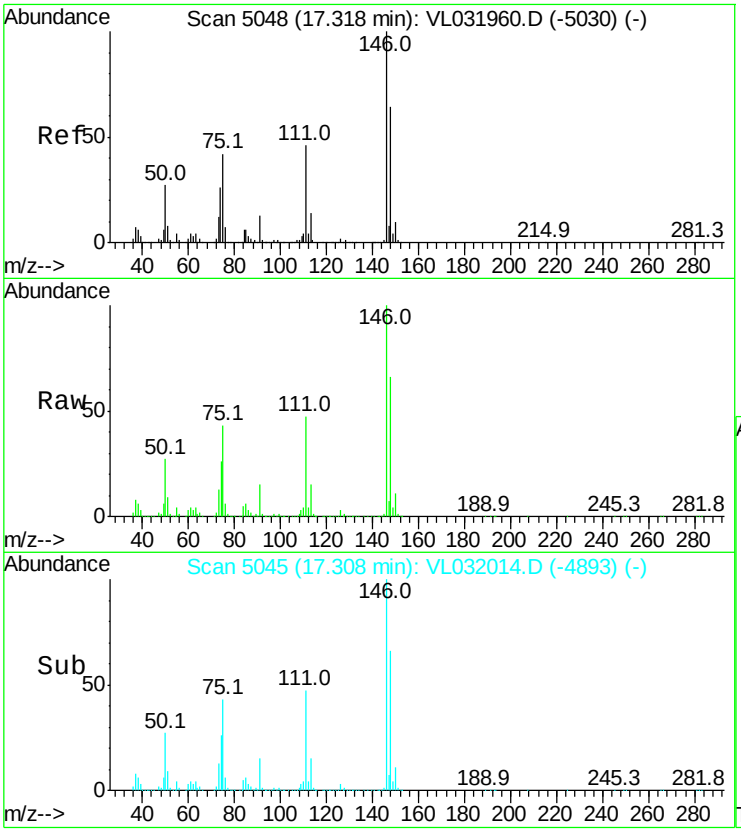




#74
1,2,4-Trimethylbenzene
Concen: 8.23 ppbv
RT: 17.06 min Scan# 4969
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:105 Resp: 3302734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.5 | 37.8 | 56.6 |
| 91 | 53.6 | 40.5 | 60.7 |
| 77 | 23.6 | 18.2 | 27.2 |



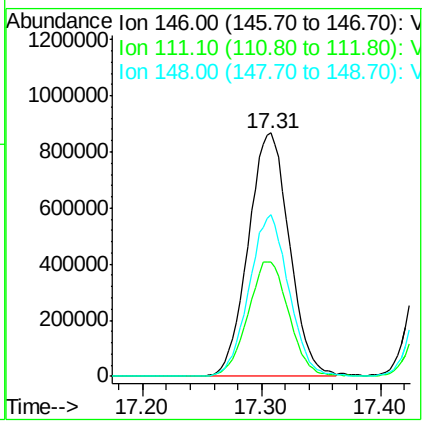


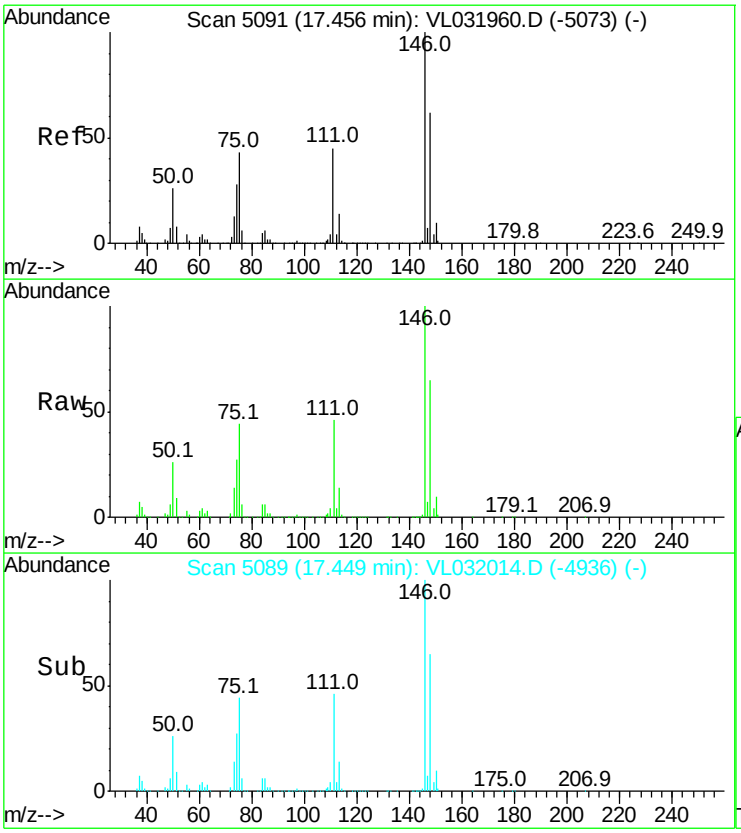

#75
1,3-Dichlorobenzene
Concen: 8.37 ppbv
RT: 17.31 min Scan# 5045
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:146 Resp: 2072345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.0 | 23.5 | 70.5 |
| 148 | 64.3 | 32.3 | 96.8 |

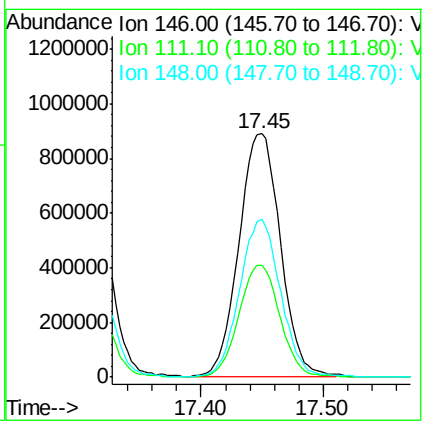


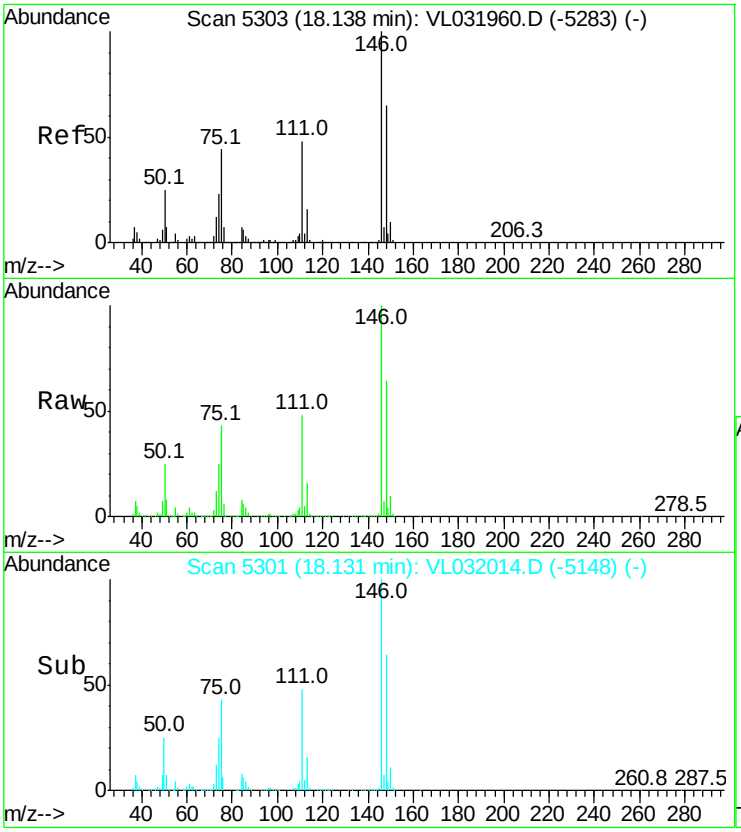




#76
1,4-Dichlorobenzene
Concen: 8.48 ppbv
RT: 17.45 min Scan# 5089
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:146 Resp: 2079422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.0 | 23.0 | 69.0 |
| 148 | 64.7 | 32.4 | 97.2 |



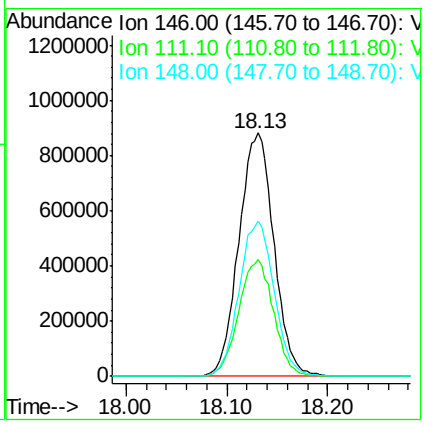


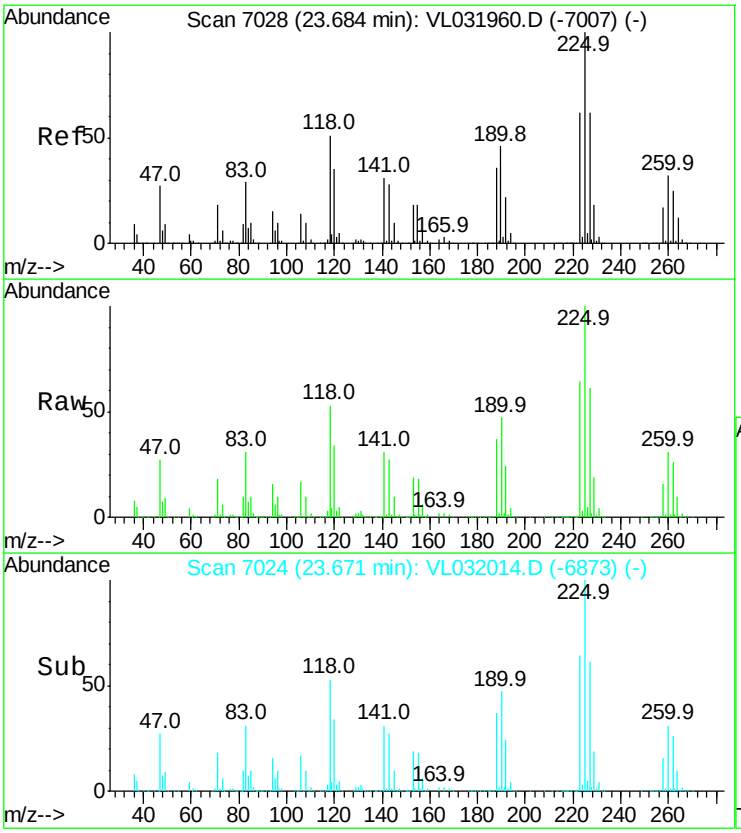

#77
1,2-Dichlorobenzene
Concen: 8.51 ppbv
RT: 18.13 min Scan# 5301
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:146 Resp: 2122087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.8 | 24.2 | 72.6 |
| 148 | 64.0 | 32.0 | 96.2 |

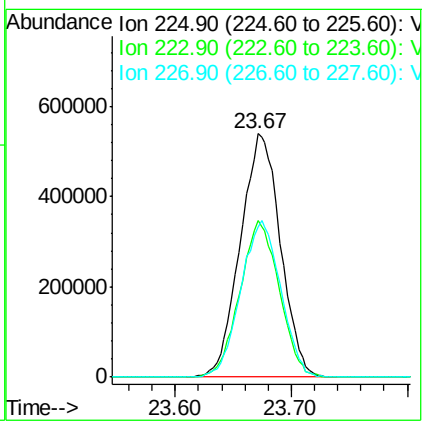


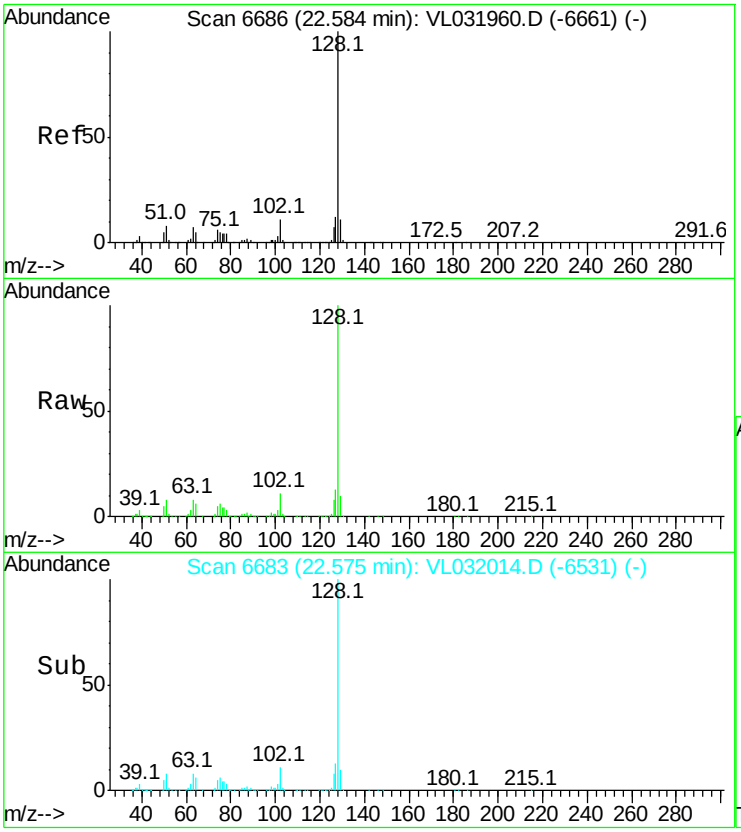




#78
Hexachloro-1,3-Butadiene
Concen: 11.46 ppbv
RT: 23.67 min Scan# 7024
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:225 Resp: 1298061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 50.8 | 76.2 |
| 227 | 63.9 | 50.9 | 76.3 |



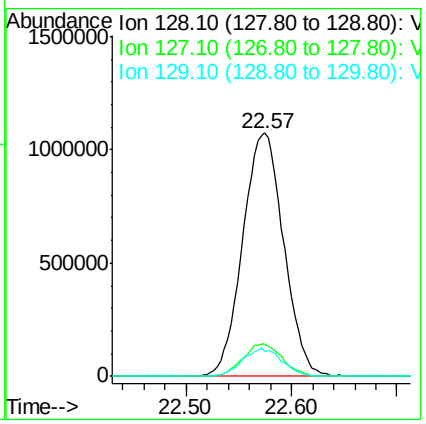


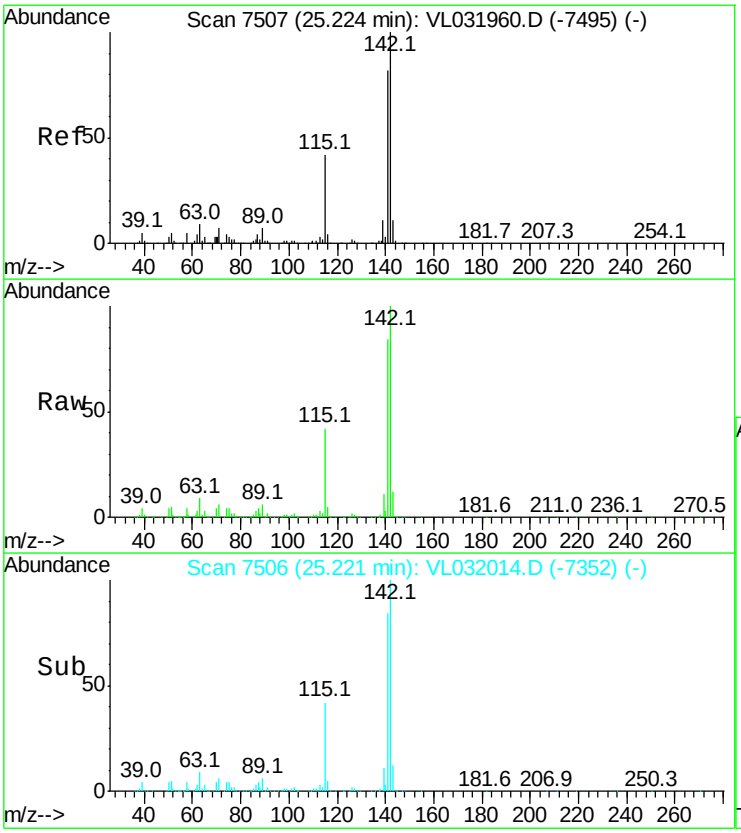

#79
Naphthalene
Concen: 10.38 ppbv
RT: 22.57 min Scan# 6683
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:128 Resp: 2901975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.0 | 15.0 |
| 129 | 10.4 | 9.0 | 13.4 |

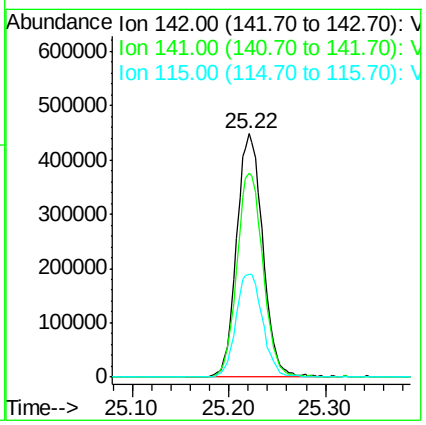


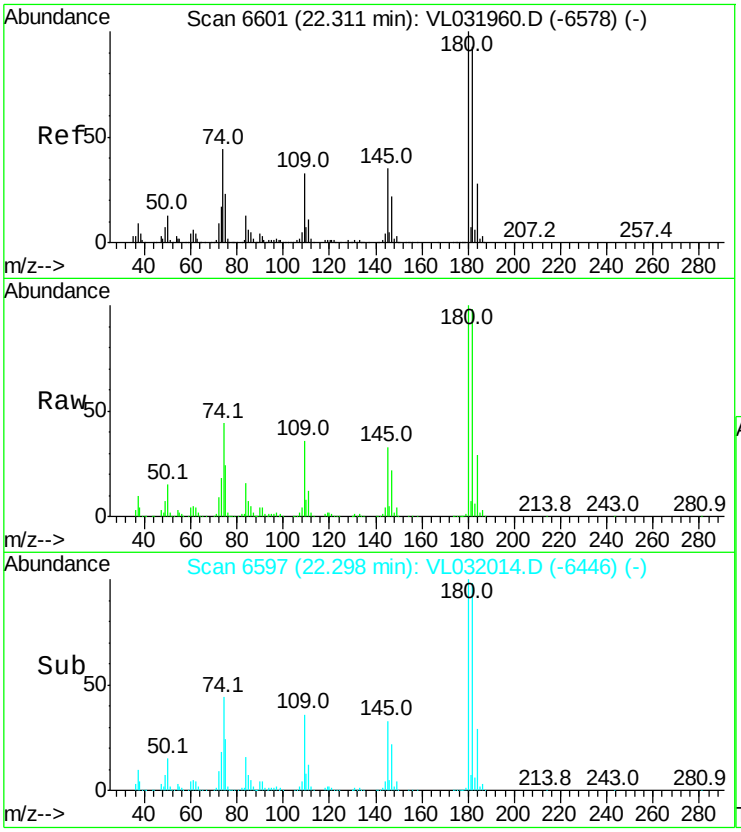




#80
Naphthalene,2-methyl-
Concen: 12.60 ppbv
RT: 25.22 min Scan# 7506
Delta R.T. -0.00 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

Tgt Ion:142 Resp: 839709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.1 | 67.9 | 101.9 |
| 115 | 43.8 | 33.8 | 50.8 |






#81
1,2,4-Trichlorobenzene
Concen: 9.47 ppbv
RT: 22.30 min Scan# 6597
Delta R.T. -0.01 min
Lab File: VL032014.D
Acq: 17 May 2018 10:09

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010EC

Tgt Ion:180 Resp: 1467002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 76.6 | 114.8 |
| 184 | 30.2 | 24.0 | 36.0 |