Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032434.D
Acq On : 31 Aug 2018 2:28
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Quant Time: Aug 31 04:27:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.81 | 49 | 2091157 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.34 | 114 | 4092466 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.29 | 117 | 3887640 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.63 | 95 | 2922205 | 10.08 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 100.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.11 | 85 | 154726 | 0.826 | ppbv | | 98 |
| 3) Chlorodifluoromethane | 3.04 | 51 | 99440 | 0.549 | ppbv | | 99 |
| 4) Chloromethane | 3.20 | 50 | 60366 | 0.544 | ppbv | # | 86 |
| 5) Vinyl Chloride | 3.33 | 62 | 55212 | 0.563 | ppbv | | 93 |
| 6) Bromomethane | 3.55 | 94 | 30094 | 0.504 | ppbv | | 97 |
| 7) Chloroethane | 3.63 | 64 | 20580 | 0.534 | ppbv | # | 77 |
| 8) Dichlorotetrafluoroethane | 3.25 | 85 | 129884 | 0.565 | ppbv | | 99 |
| 9) Propene | 3.07 | 41 | 33909 | 0.474 | ppbv | | 97 |
| 10) Heptane | 8.30 | 43 | 115799 | 0.448 | ppbv | | 98 |
| 11) Trichlorofluoromethane | 4.04 | 101 | 130693 | 0.557 | ppbv | | 97 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.59 | 101 | 89216 | 0.569 | ppbv | | 99 |
| 13) Ethanol | 3.70 | 45 | 8650 | 0.373 | ppbv | # | 38 |
| 14) Bromoethene | 3.82 | 108 | 34920 | 0.513 | ppbv | # | 94 |
| 15) Acetone | 3.95 | 43 | 101548 | 0.509 | ppbv | | 98 |
| 16) 1,3-Butadiene | 3.40 | 39 | 44053 | 0.530 | ppbv | | 94 |
| 17) tert-Butyl alcohol | 4.40 | 59 | 1062 | 0.032 | ppbv | # | 76 |
| 18) 1,1-Dichloroethene | 4.39 | 96 | 39920 | 0.555 | ppbv | | 92 |
| 19) Isopropyl Alcohol | 4.09 | 45 | 30086 | 0.239 | ppbv | # | 72 |
| 20) Methylene Chloride | 4.45 | 84 | 41482 | 0.560 | ppbv | | 91 |
| 21) Allyl Chloride | 4.52 | 41 | 60039 | 0.477 | ppbv | | 95 |
| 22) trans-1,2-Dichloroethene | 5.01 | 96 | 44361 | 0.572 | ppbv | | 96 |
| 23) Vinyl Acetate | 5.20 | 43 | 136330 | 0.444 | ppbv | # | 93 |
| 24) 1,1-Dichloroethane | 5.14 | 63 | 52152 | 0.212 | ppbv | | 98 |
| 25) Ethyl Acetate | 5.82 | 43 | 230007 | 0.546 | ppbv | | 99 |
| 26) Hexane | 5.83 | 57 | 95812 | 0.508 | ppbv | | 85 |
| 27) Carbon Disulfide | 4.67 | 76 | 87151 | 0.481 | ppbv | # | 85 |
| 28) Methyl tert-Butyl Ether | 5.17 | 73 | 109879 | 0.472 | ppbv | | 98 |
| 29) Chloroform | 5.89 | 83 | 161713 | 0.555 | ppbv | | 99 |
| 30) Cyclohexane | 7.31 | 84 | 54870 | 0.394 | ppbv | | 87 |
| 31) cis-1,2-Dichloroethene | 5.68 | 61 | 80597 | 0.468 | ppbv | # | 87 |
| 32) 1,1,1-Trichloroethane | 6.67 | 97 | 142877 | 0.568 | ppbv | | 98 |
| 34) 2-Butanone | 5.39 | 43 | 132960 | 0.510 | ppbv | | 96 |
| 35) Carbon Tetrachloride | 7.18 | 117 | 140569 | 0.555 | ppbv | | 94 |
| 36) Benzene | 7.05 | 78 | 162634 | 0.480 | ppbv | | 97 |
| 37) 1,2-Dichloroethane | 6.46 | 62 | 111592 | 0.532 | ppbv | | 97 |
| 38) Trichloroethene | 8.01 | 130 | 57809 | 0.511 | ppbv | | 97 |
| 39) 1,2-Dichloropropane | 7.78 | 63 | 76996 | 0.541 | ppbv | | 96 |
| 40) 1,4-Dioxane | 8.04 | 88 | 5752 | 0.136 | ppbv | # | 1 |
| 41) Tetrahydrofuran | 6.22 | 42 | 61625 | 0.442 | ppbv | | 97 |
| 42) Bromodichloromethane | 7.96 | 83 | 76699 | 0.267 | ppbv | | 96 |
| 43) Methyl Methacrylate | 8.19 | 69 | 57706 | 0.413 | ppbv | | 88 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032434.D
Acq On : 31 Aug 2018 2:28
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Quant Time: Aug 31 04:27:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 8.04 | 57 | 306181 | 0.484 | ppbv | # | 91 |
| 45) t-1,3-Dichloropropene | 9.47 | 75 | 54444 | 0.328 | ppbv | | 97 |
| 46) cis-1,3-Dichloropropene | 8.88 | 75 | 77125 | 0.380 | ppbv | | 90 |
| 47) 1,1,2-Trichloroethane | 9.67 | 97 | 78659 | 0.516 | ppbv | | 97 |
| 48) Dibromochloromethane | 10.50 | 129 | 104624 | 0.487 | ppbv | | 96 |
| 49) Bromoform | 13.25 | 173 | 38270 | 0.203 | ppbv | # | 27 |
| 50) 4-Methyl-2-Pentanone | 8.94 | 43 | 178122 | 0.441 | ppbv | | 96 |
| 51) 2-Hexanone | 10.34 | 43 | 93462 | 0.350 | ppbv | # | 92 |
| 52) Tetrachloroethene | 11.42 | 164 | 23428 | 0.241 | ppbv | | 89 |
| 53) Toluene | 10.00 | 91 | 67405 | 0.190 | ppbv | # | 21 |
| 54) 1,2-Dibromoethane | 10.81 | 107 | 100541 | 0.457 | ppbv | | 95 |
| 56) 1,1,1,2-Tetrachloroethane | 12.34 | 131 | 38872 | 0.232 | ppbv | # | 9 |
| 57) Chlorobenzene | 12.35 | 112 | 171525 | 0.576 | ppbv | # | 94 |
| 58) Ethyl Benzene | 12.92 | 91 | 100144 | 0.226 | ppbv | | 97 |
| 59) m/p-Xylene | 13.20 | 91 | 236711 | 0.599 | ppbv | # | 63 |
| 60) o-Xylene | 13.90 | 91 | 178517 | 0.471 | ppbv | | 100 |
| 61) Styrene | 13.74 | 104 | 59434 | 0.233 | ppbv | # | 60 |
| 62) Isopropylbenzene | 14.88 | 105 | 266953 | 0.497 | ppbv | | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 13.89 | 83 | 199815 | 0.603 | ppbv | | 98 |
| 64) n-propylbenzene | 15.78 | 120 | 62162 | 0.443 | ppbv | | 68 |
| 65) tert-Butylbenzene | 16.96 | 119 | 228638 | 0.496 | ppbv | | 95 |
| 66) Benzyl Chloride | 17.21 | 91 | 63389 | 0.222 | ppbv | # | 66 |
| 67) sec-Butylbenzene | 17.52 | 105 | 348993 | 0.509 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.87 | 119 | 138996 | 0.264 | ppbv | # | 54 |
| 70) n-Butylbenzene | 18.77 | 91 | 289645 | 0.497 | ppbv | | 97 |
| 71) 2-Chlorotoluene | 15.67 | 91 | 187849 | 0.458 | ppbv | | 98 |
| 72) 4-Ethyltoluene | 16.05 | 105 | 174437 | 0.422 | ppbv | # | 94 |
| 73) 1,3,5-Trimethylbenzene | 16.21 | 105 | 193086 | 0.489 | ppbv | | 92 |
| 74) 1,2,4-Trimethylbenzene | 16.98 | 105 | 242114 | 0.568 | ppbv | | 97 |
| 75) 1,3-Dichlorobenzene | 17.22 | 146 | 164206 | 0.604 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.36 | 146 | 133821 | 0.535 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 18.04 | 146 | 141385 | 0.541 | ppbv | | 97 |
| 78) Hexachloro-1,3-Butadiene | 23.59 | 225 | 34340 | 0.305 | ppbv | # | 18 |
| 79) Naphthalene | 22.48 | 128 | 148476 | 0.524 | ppbv | # | 87 |
| 80) Naphthalene,2-methyl- | 25.16 | 142 | 22112 | 0.298 | ppbv | | 92 |
| 81) 1,2,4-Trichlorobenzene | 22.19 | 180 | 33718 | 0.219 | ppbv | # | 12 |

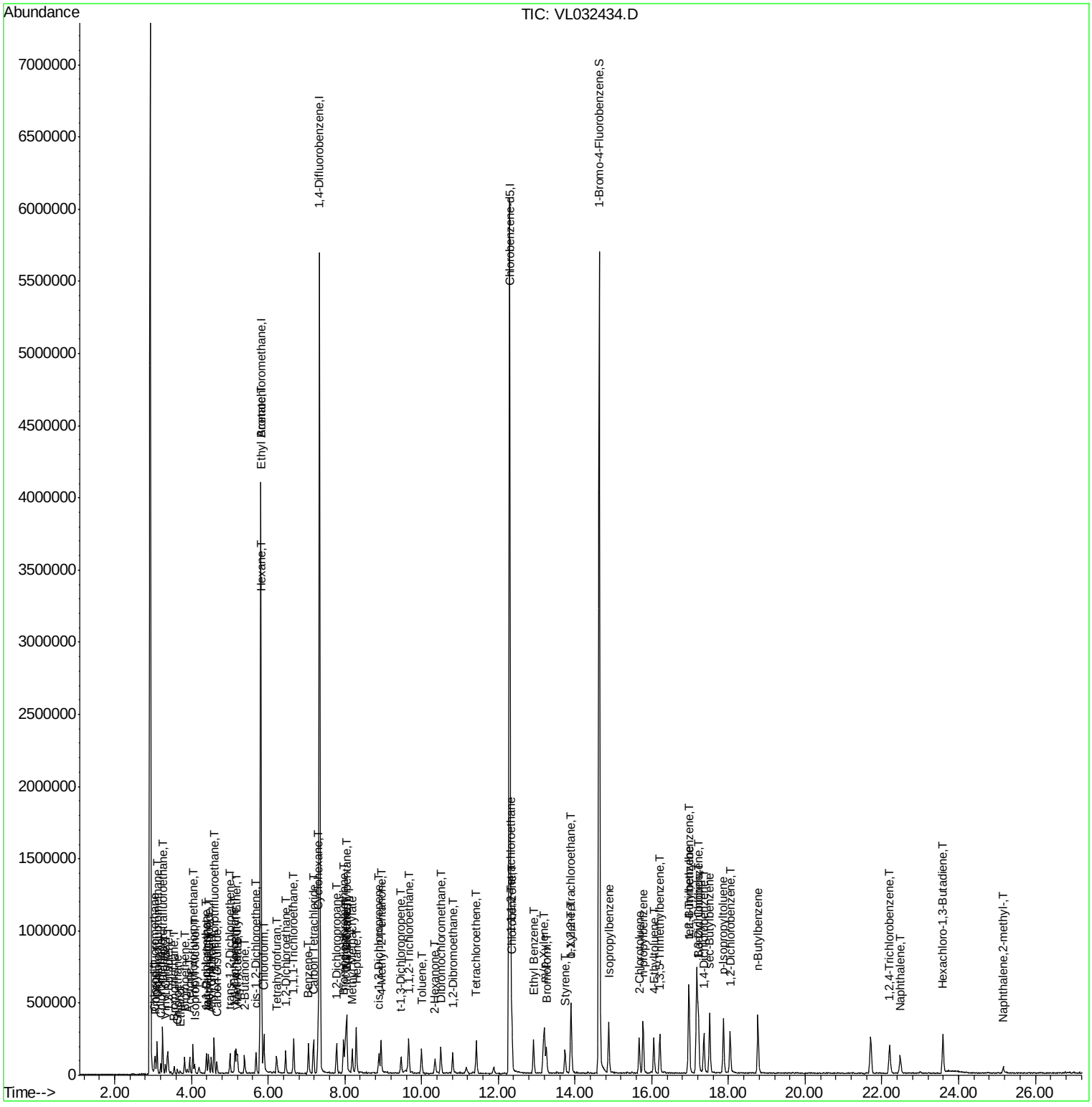
(#) = qualifier out of range (m) = manual integration (+) = signals summed

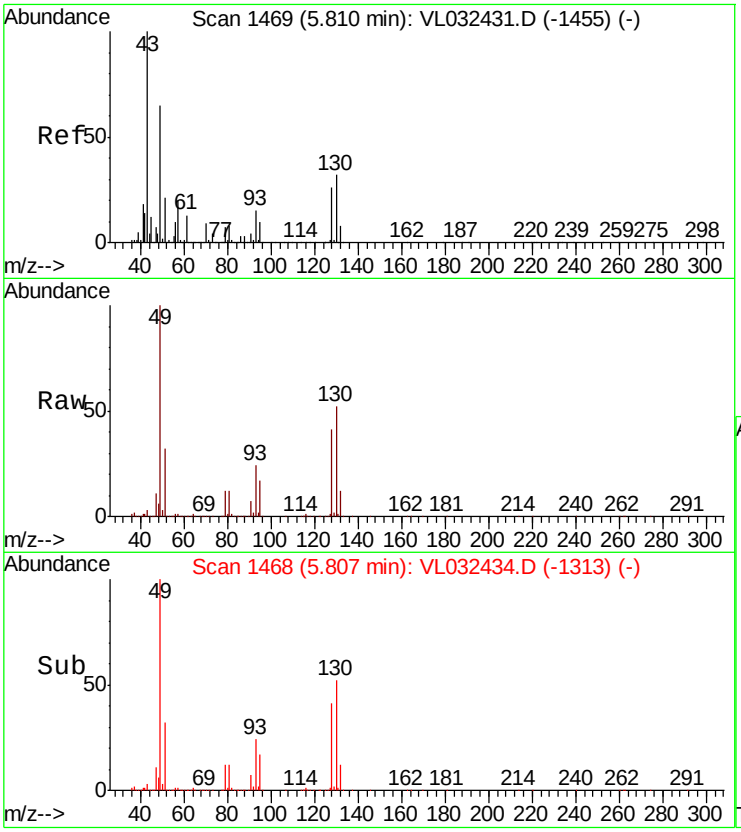
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
Data File : VL032434.D
Acq On : 31 Aug 2018 2:28
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Quant Time: Aug 31 04:27:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 04:25:10 2018
QLast Update : Fri Aug 31 04:25:10 2018
Response via : Initial Calibration



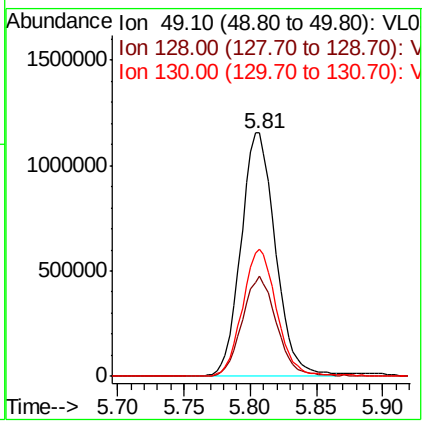


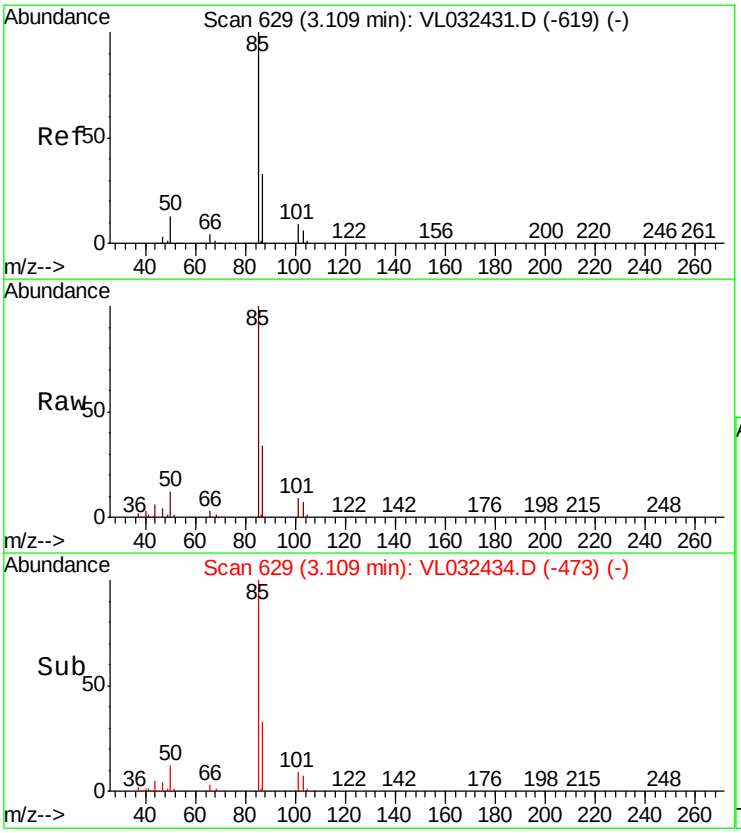

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.81 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 49 Resp: 2091157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 41.5 | 20.7 | 62.1 |
| 130 | 52.1 | 26.7 | 80.0 |

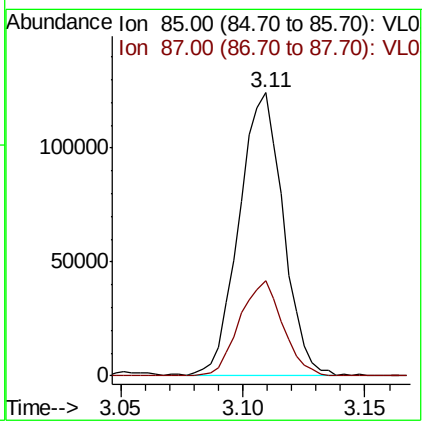


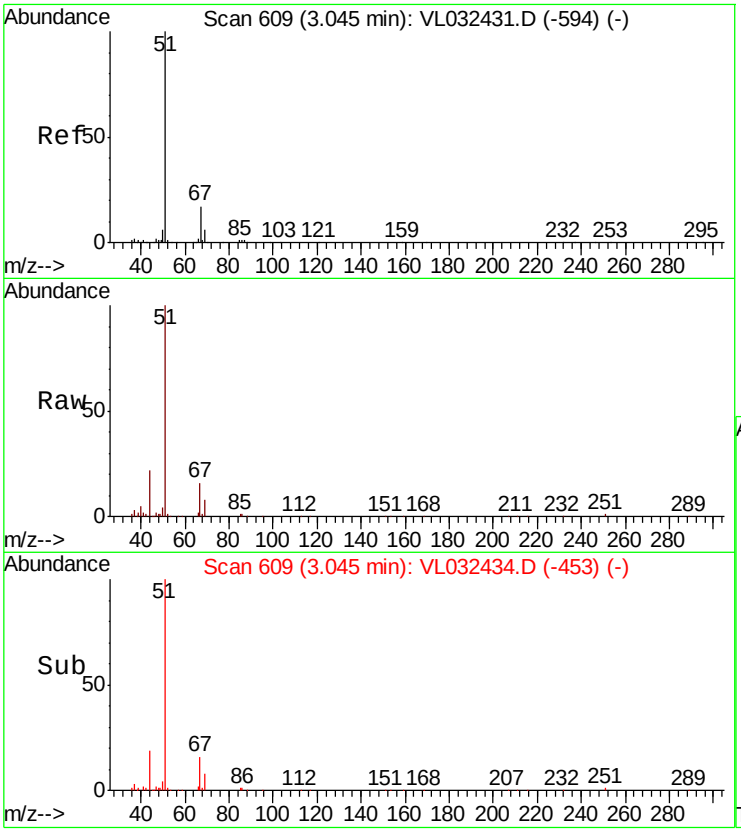




#2
Dichlorodifluoromethane
Concen: 0.826 ppbv
RT: 3.11 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 85 Resp: 154726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.7 | 26.2 | 39.4 |



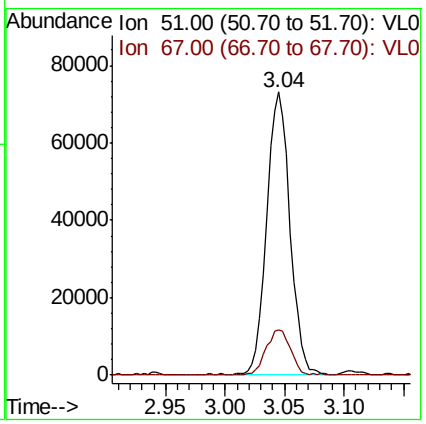


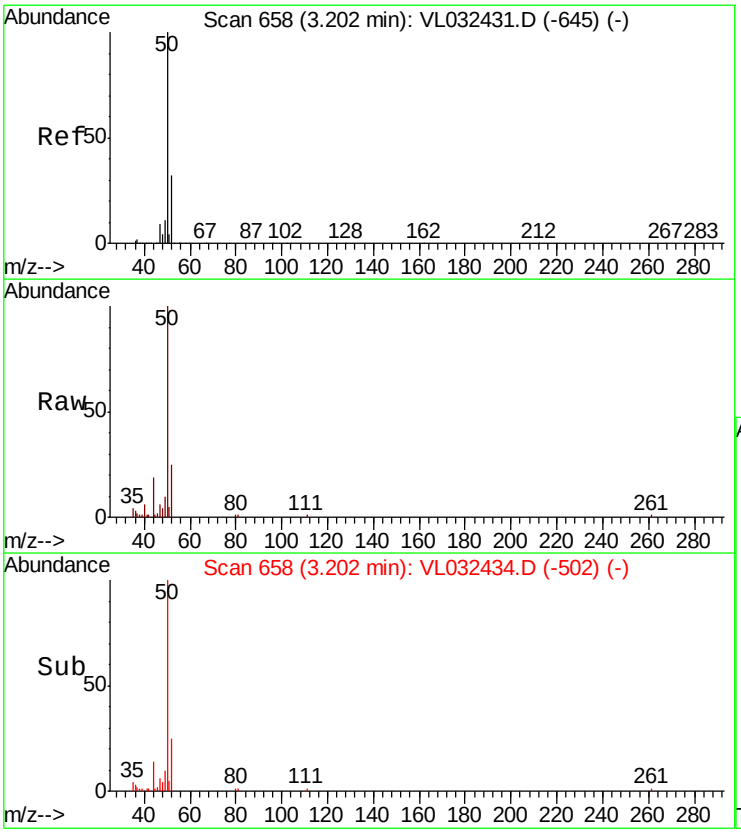

#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 3.04 min Scan# 609
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 51 Resp: 99440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 17.0 | 13.8 | 20.8 |

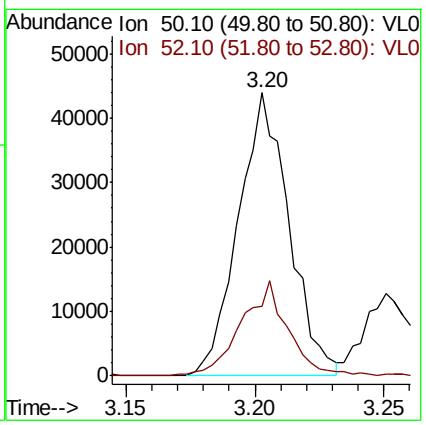


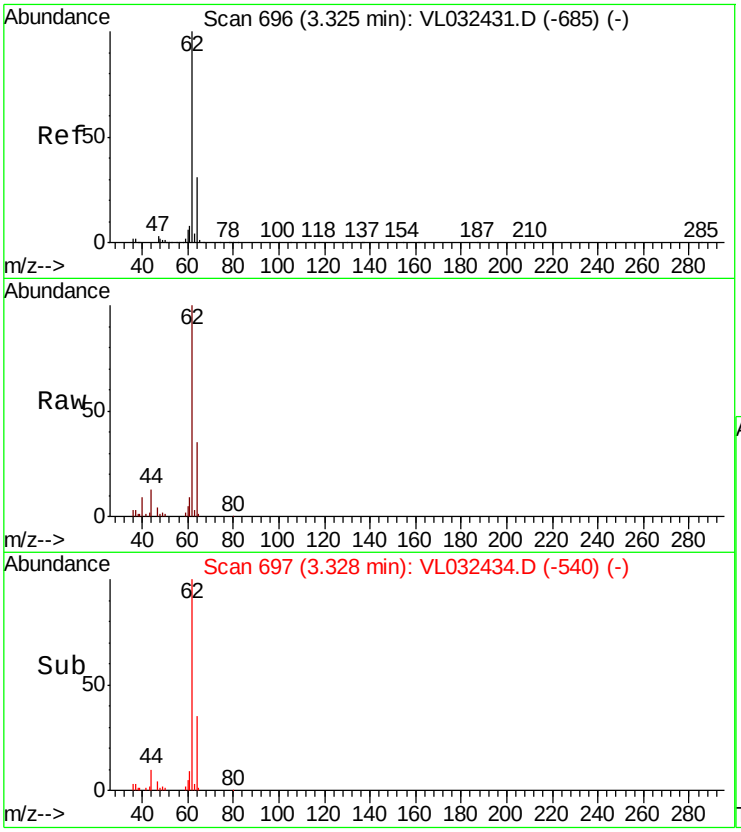




#4
Chloromethane
Concen: 0.544 ppbv
RT: 3.20 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 50 Resp: 60366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 24.4 | 25.6 | 38.4# |



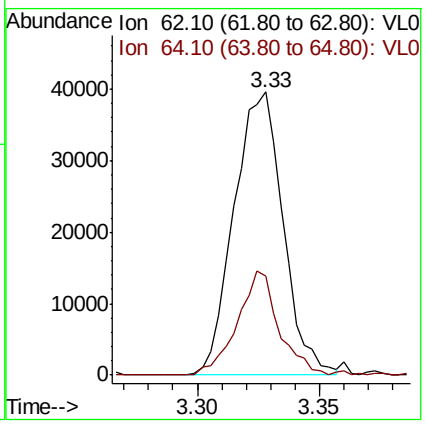


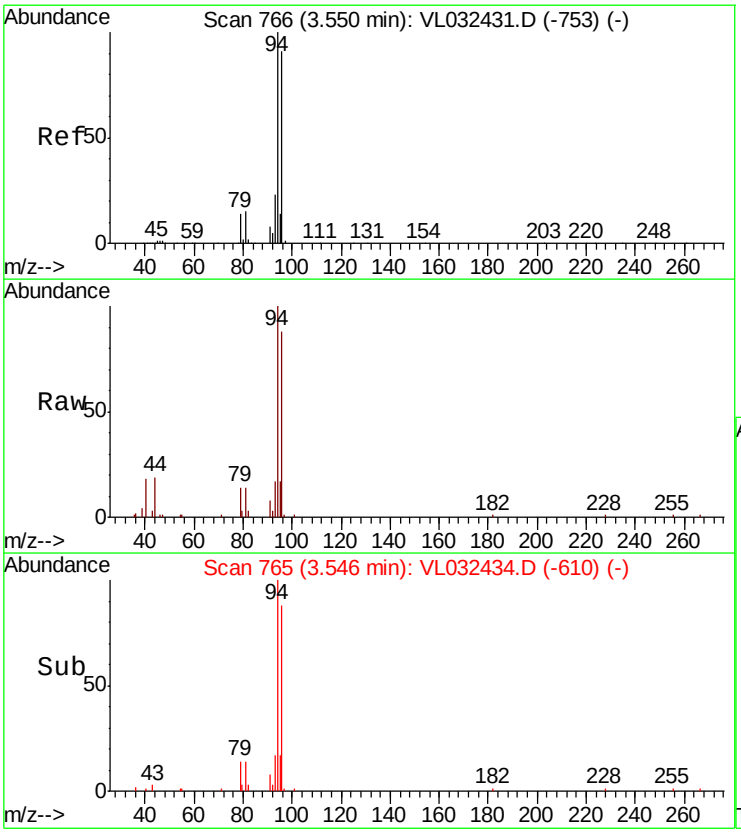

#5
Vinyl Chloride
Concen: 0.563 ppbv
RT: 3.33 min Scan# 697
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 62 Resp: 55212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 35.1 | 25.0 | 37.6 |

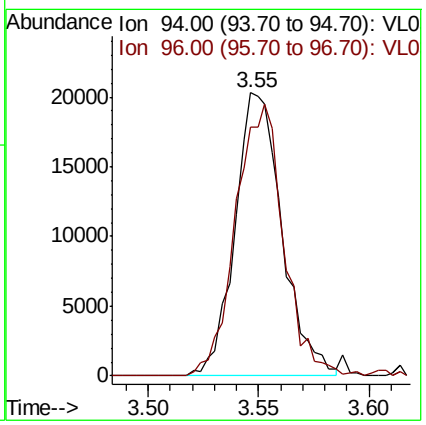


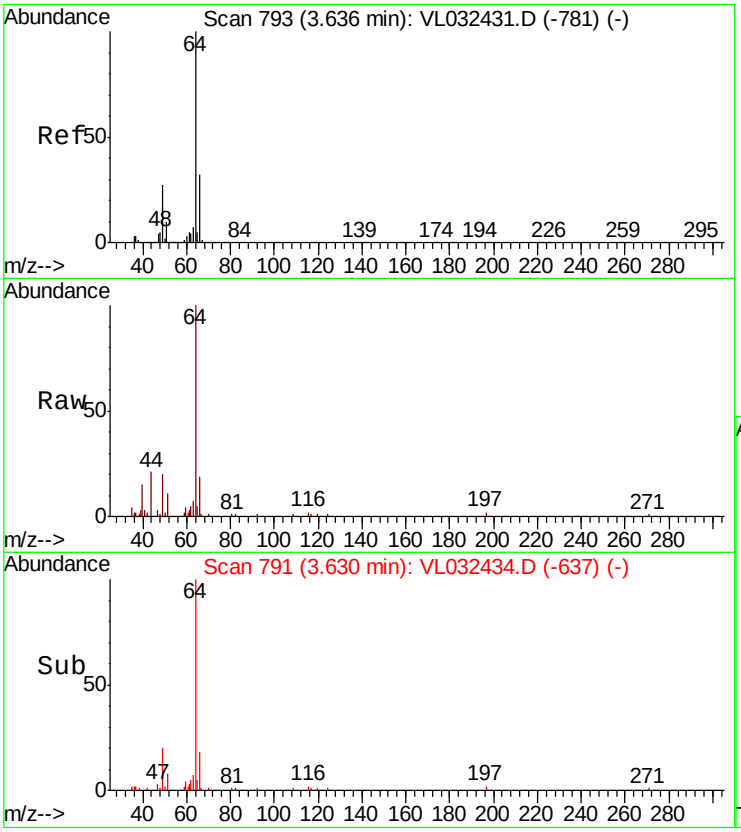




#6
Bromomethane
Concen: 0.504 ppbv
RT: 3.55 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 94 Resp: 30094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 87.8 | 72.8 | 109.2 |



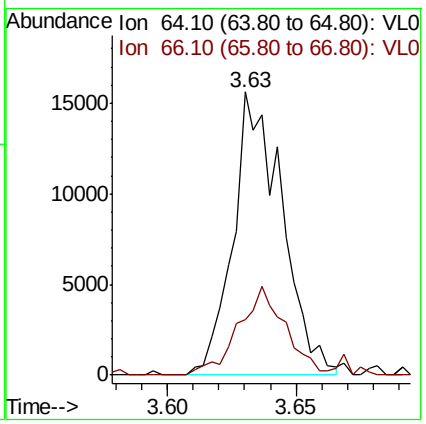


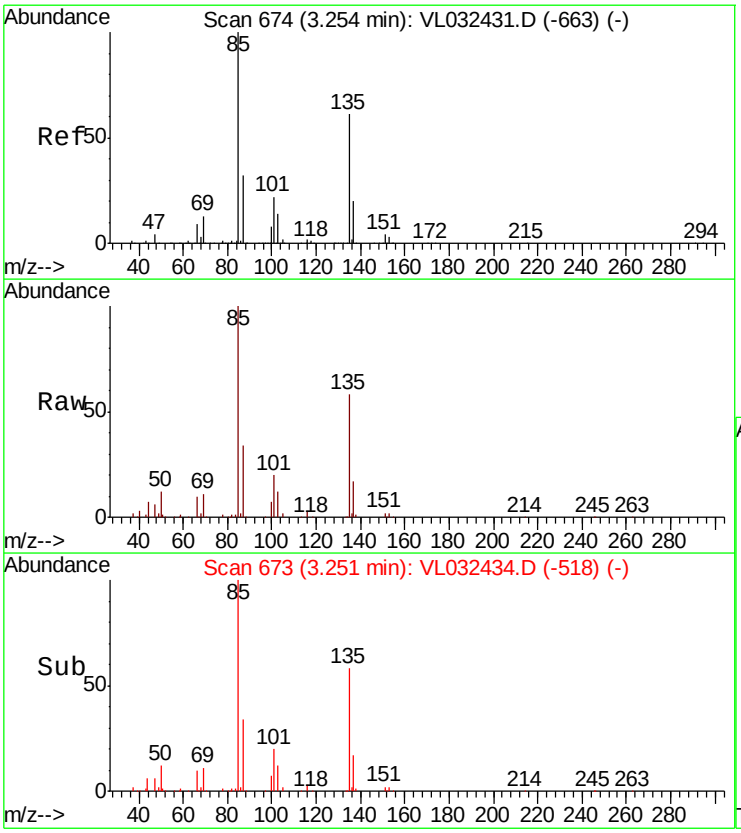

#7
Chloroethane
Concen: 0.534 ppbv
RT: 3.63 min Scan# 791
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 64 Resp: 20580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 19.6 | 25.8 | 38.6# |

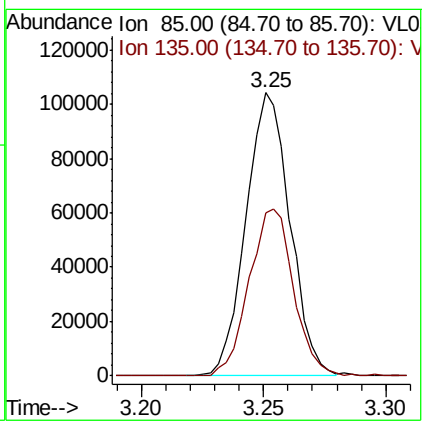


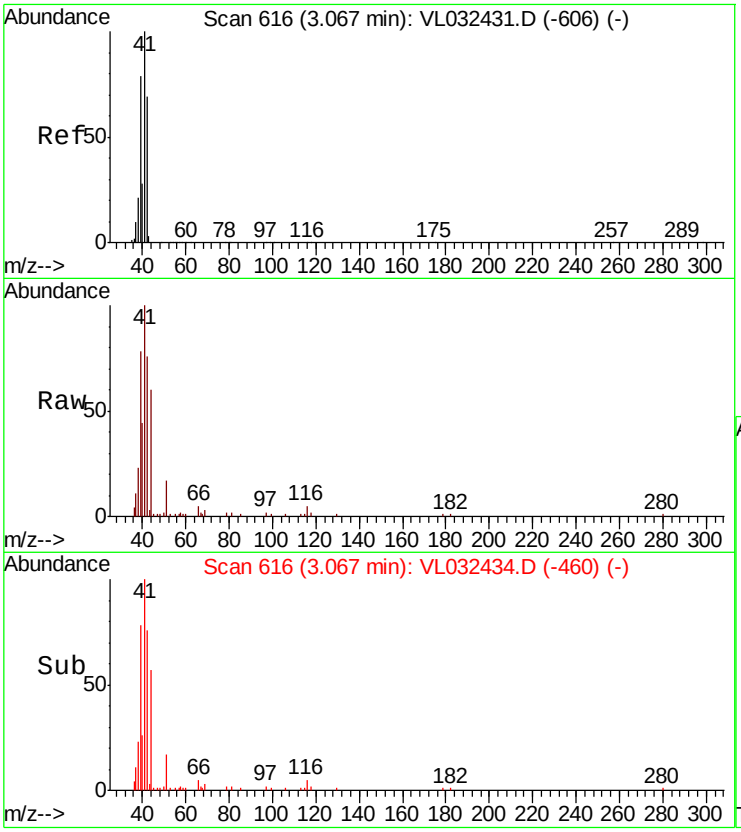




#8
Dichlorotetrafluoroethane
Concen: 0.565 ppbv
RT: 3.25 min Scan# 673
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 85 Resp: 129884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 59.7 | 48.6 | 72.8 |



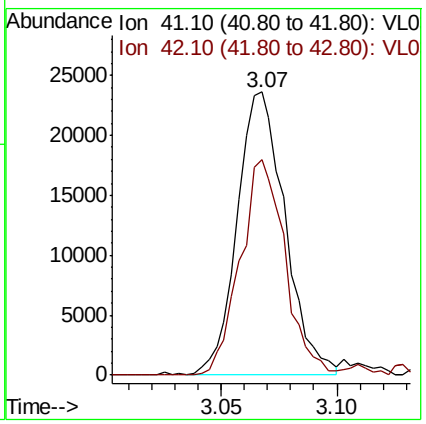


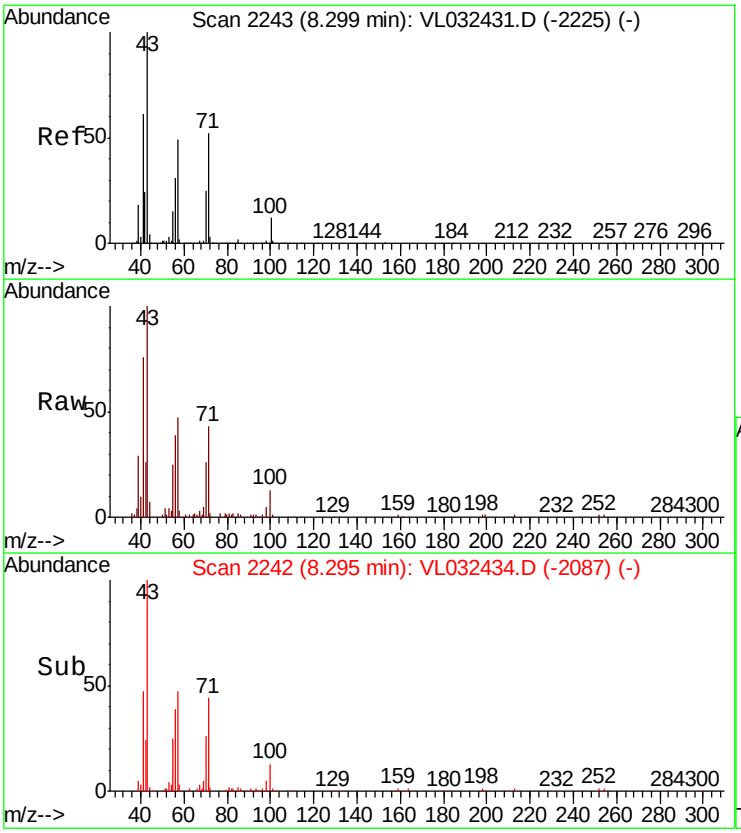

#9
Propene
Concen: 0.474 ppbv
RT: 3.07 min Scan# 616
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 41 Resp: 33909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 72.8 | 56.6 | 84.8 |

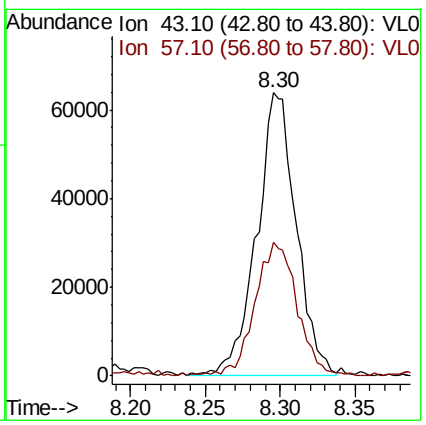


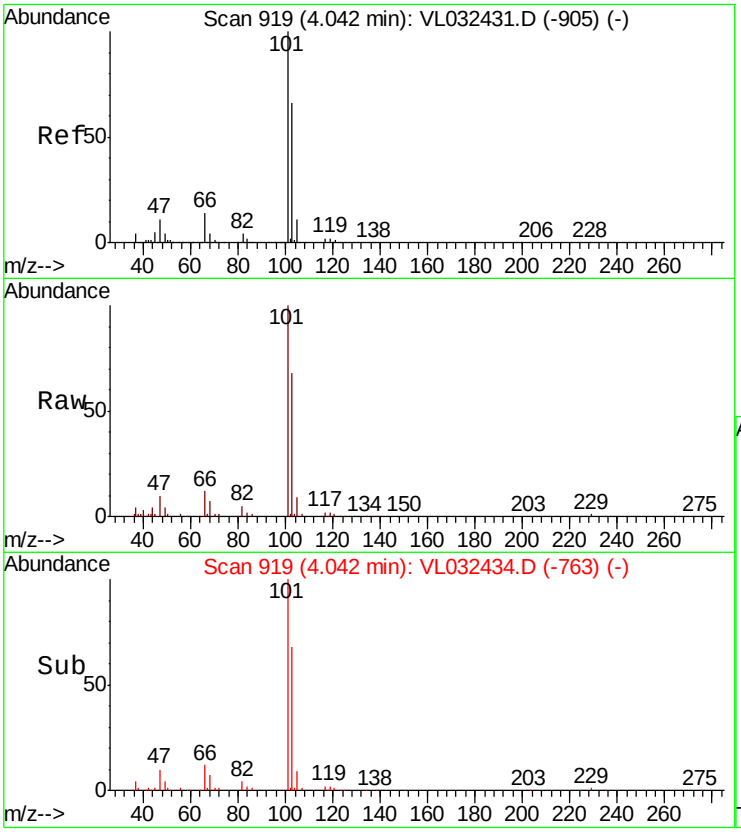




#10
Heptane
Concen: 0.448 ppbv
RT: 8.30 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 43 Resp: 115799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 51.0 | 39.8 | 59.6 |



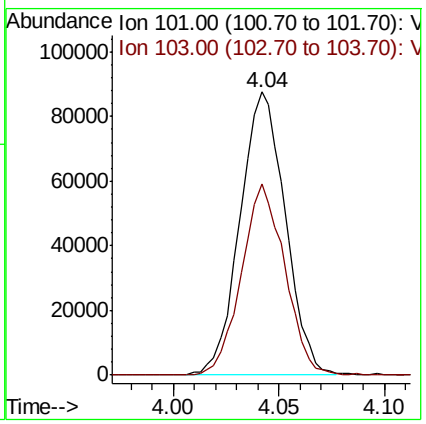


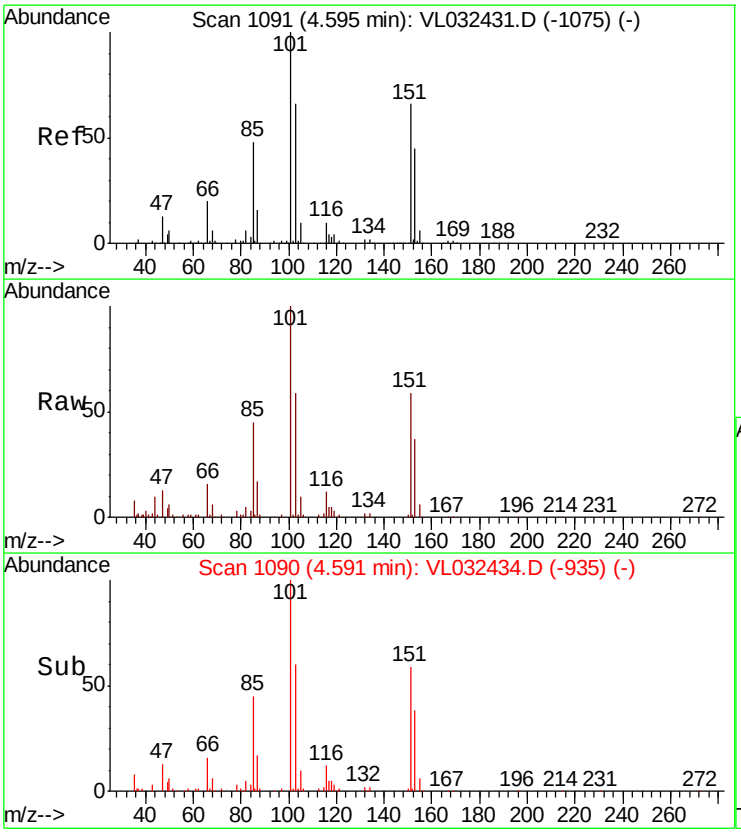

#11
Trichlorofluoromethane
Concen: 0.557 ppbv
RT: 4.04 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:101 Resp: 130693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 68.6 | 52.8 | 79.2 |

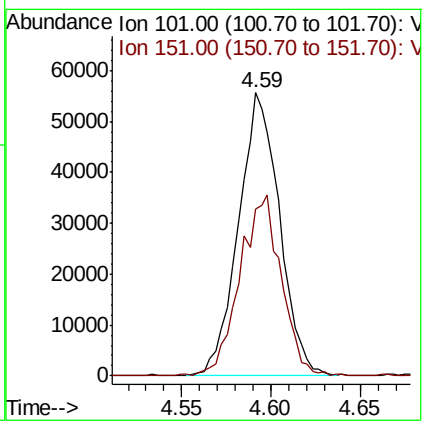


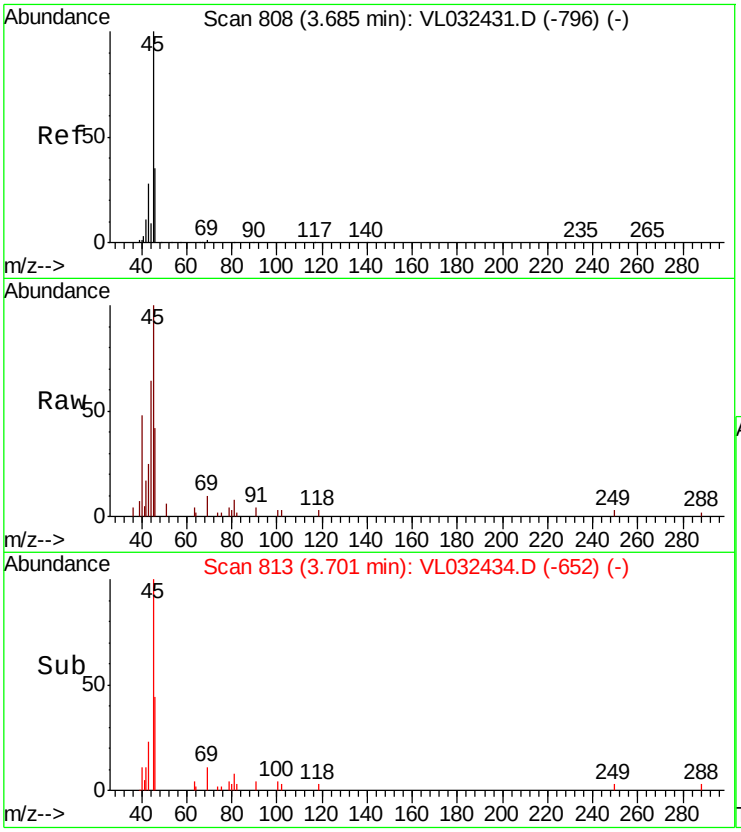




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.569 ppbv
RT: 4.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:101 Resp: 89216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 64.6 | 52.6 | 78.8 |



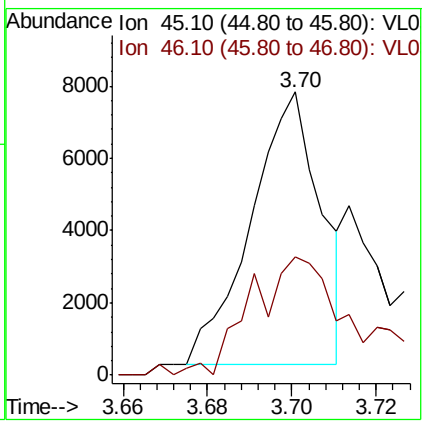


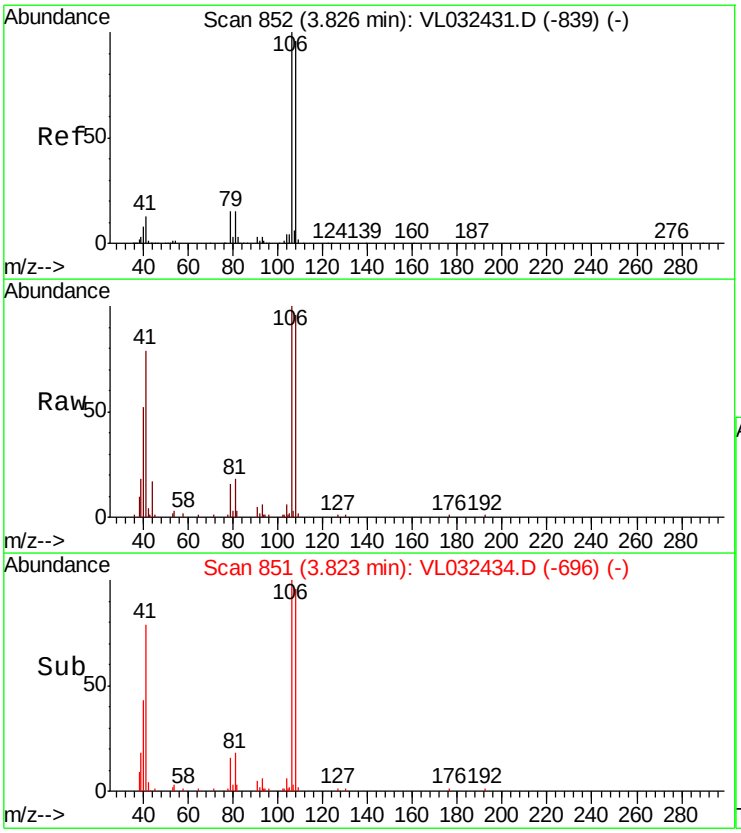

#13
Ethanol
Concen: 0.373 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 45 Resp: 8650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 70.6 | 13.9 | 55.7# |

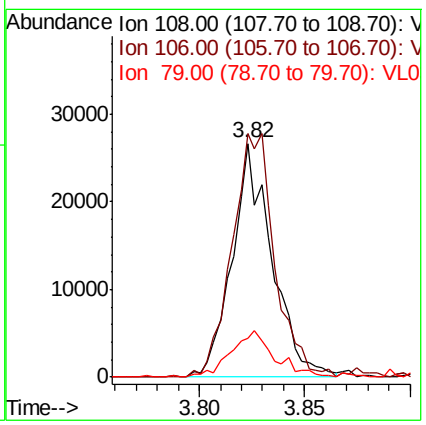


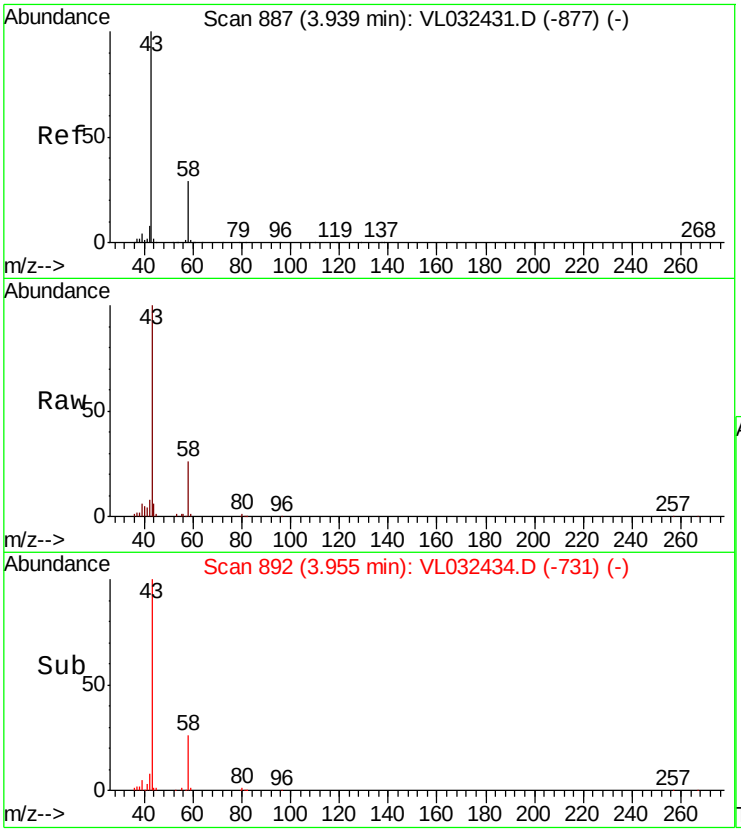




#14
Bromoethene
Concen: 0.513 ppbv
RT: 3.82 min Scan# 851
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:108 Resp: 34920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 111.9 | 85.5 | 128.3 |
| 79 | 23.4 | 13.0 | 19.6# |



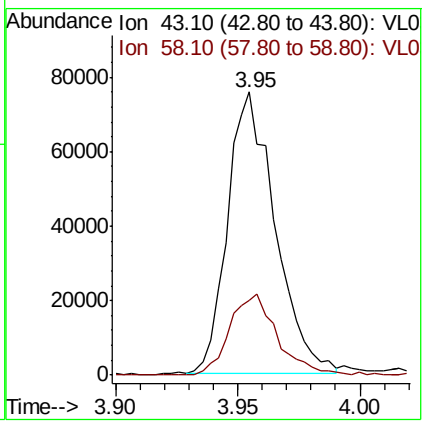


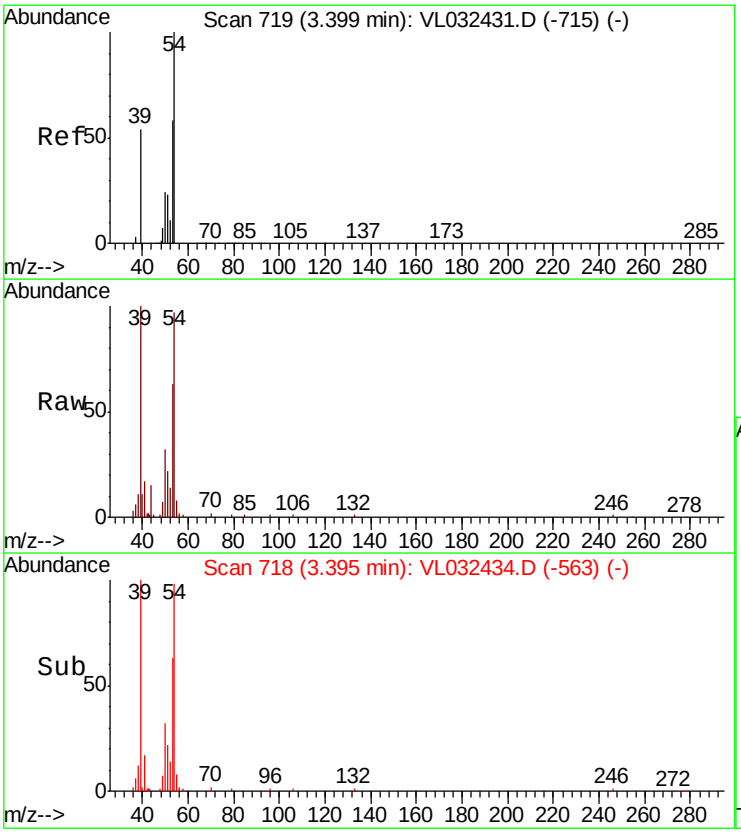

#15
Acetone
Concen: 0.509 ppbv
RT: 3.95 min Scan# 892
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 43 Resp: 101548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 22.6 | 33.8 |

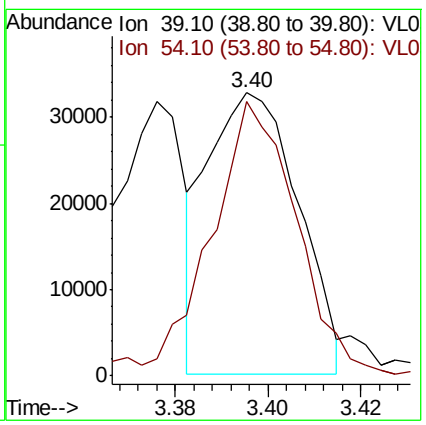


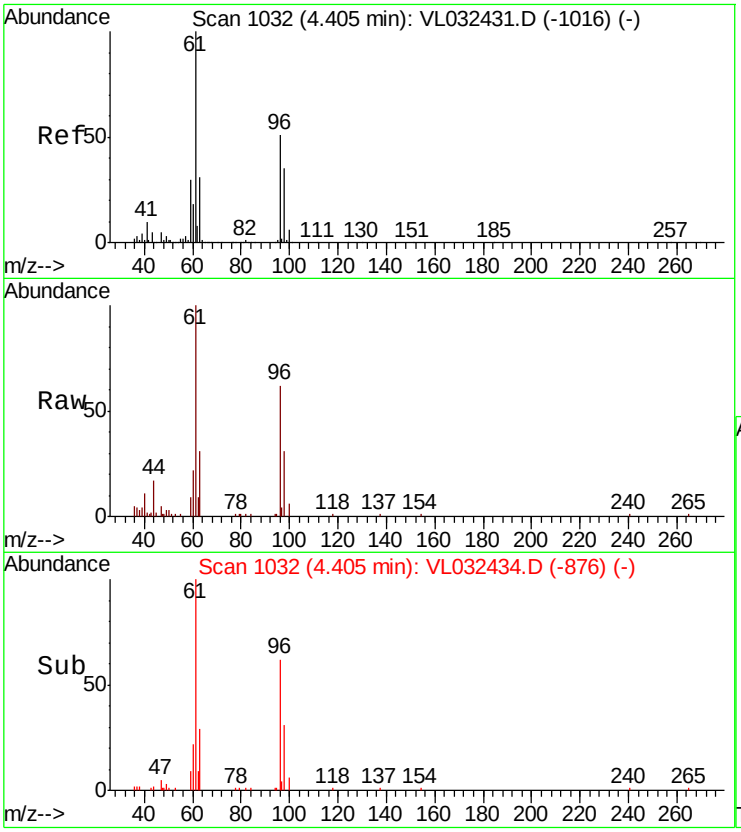




#16
1,3-Butadiene
Concen: 0.530 ppbv
RT: 3.40 min Scan# 718
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 39 Resp: 44053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 95.4 | 80.8 | 121.2 |



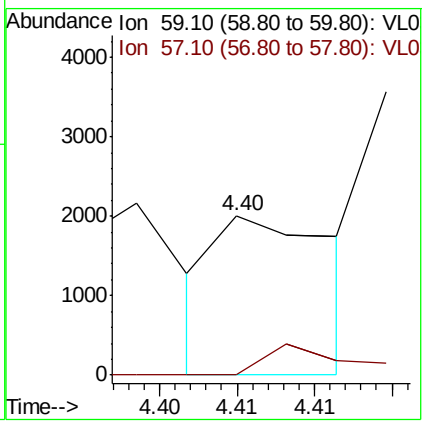


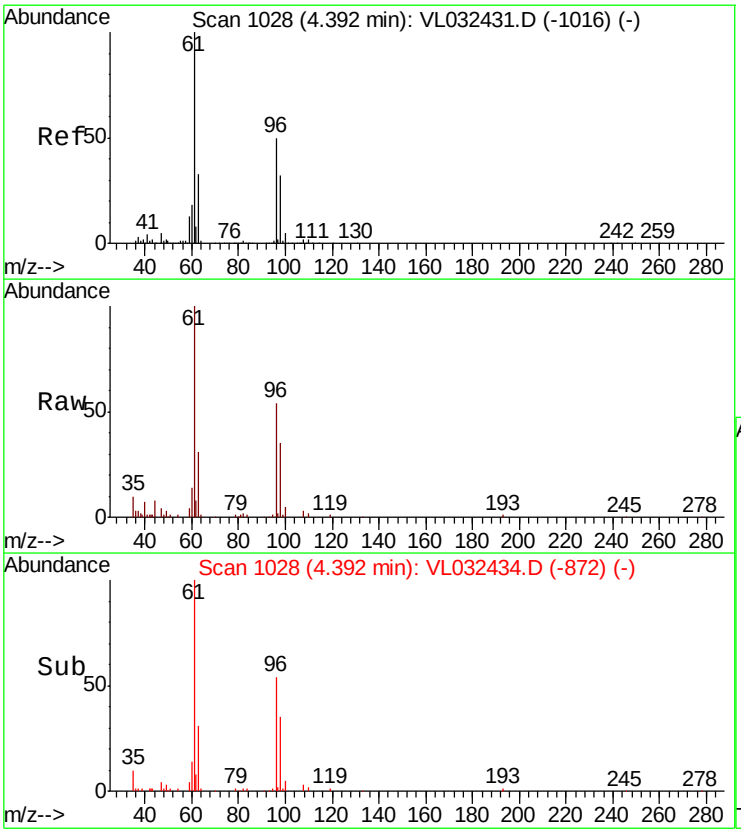

#17
tert-Butyl alcohol
Concen: 0.032 ppbv
RT: 4.40 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 59 Resp: 1062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.0 | 10.4# |

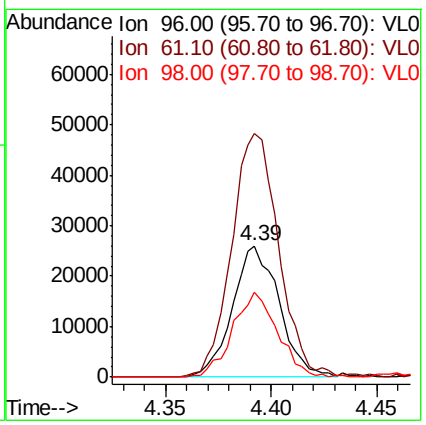


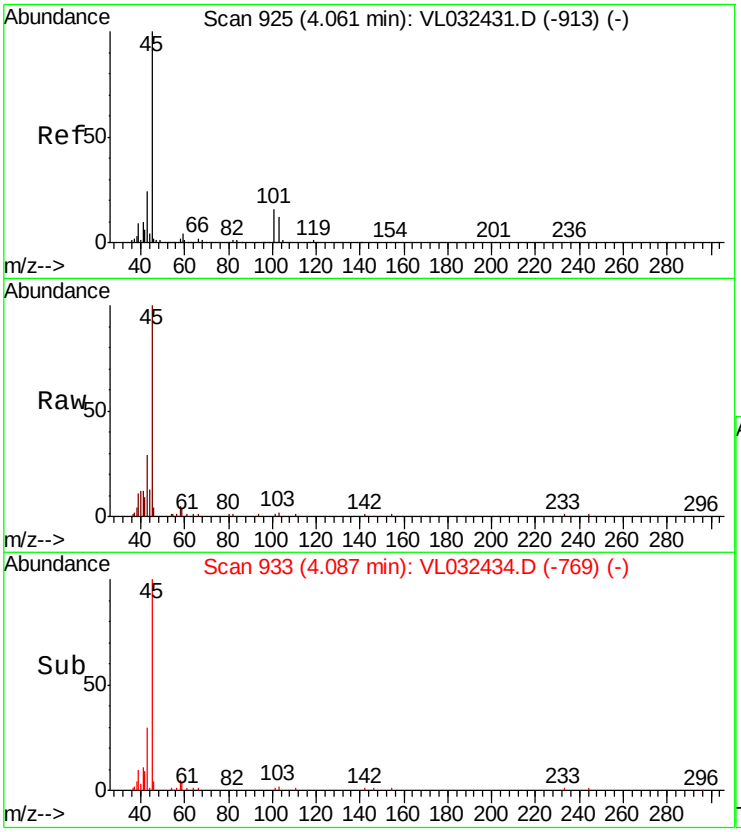




#18
1,1-Dichloroethene
Concen: 0.555 ppbv
RT: 4.39 min Scan# 1028
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 96 Resp: 39920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.8 | 159.2 | 238.8 |
| 98 | 66.7 | 51.0 | 76.4 |



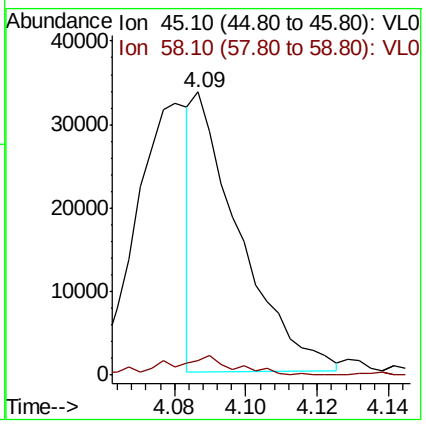


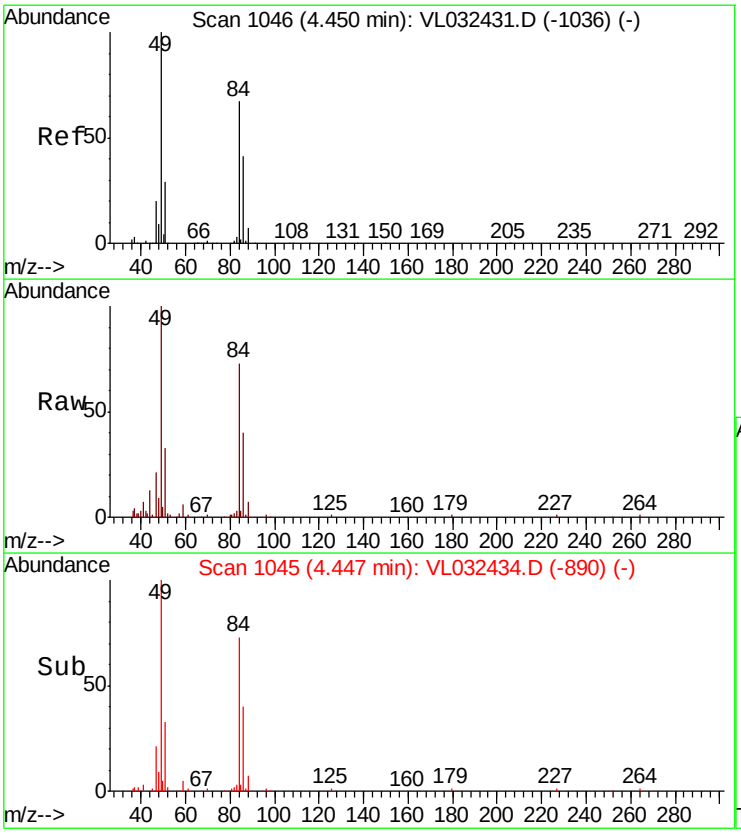

#19
Isopropyl Alcohol
Concen: 0.239 ppbv
RT: 4.09 min Scan# 933
Delta R.T. 0.03 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 45 Resp: 30086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 11.9 | 2.0 | 3.0# |

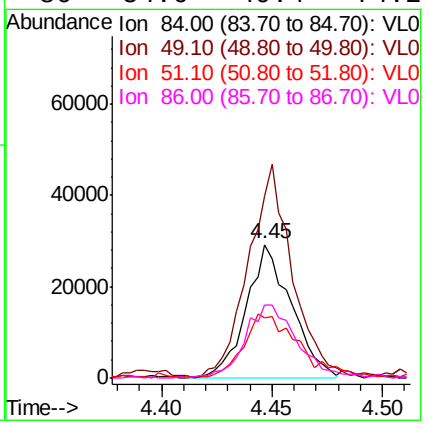


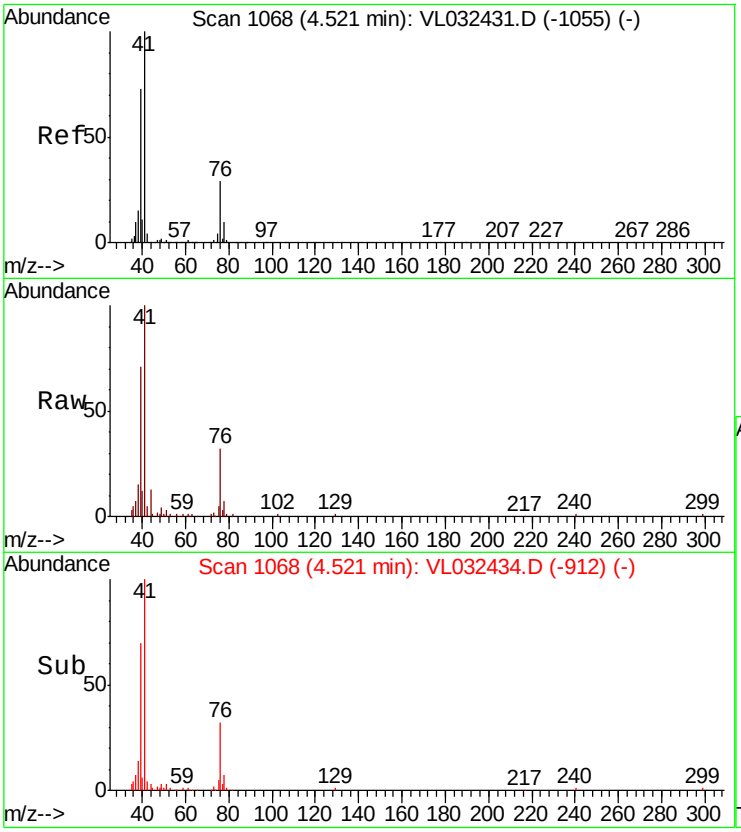




#20
Methylene Chloride
Concen: 0.560 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 84 Resp: 41482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 134.6 | 119.1 | 178.7 |
| 51 | 44.8 | 35.2 | 52.8 |
| 86 | 54.6 | 49.4 | 74.2 |



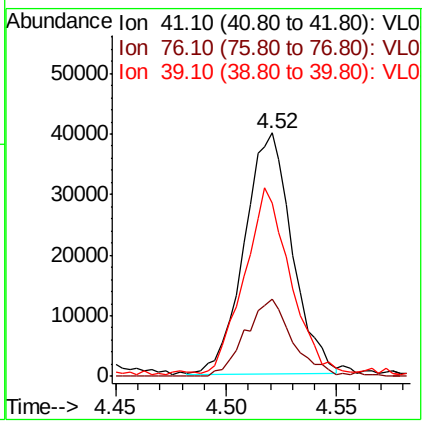


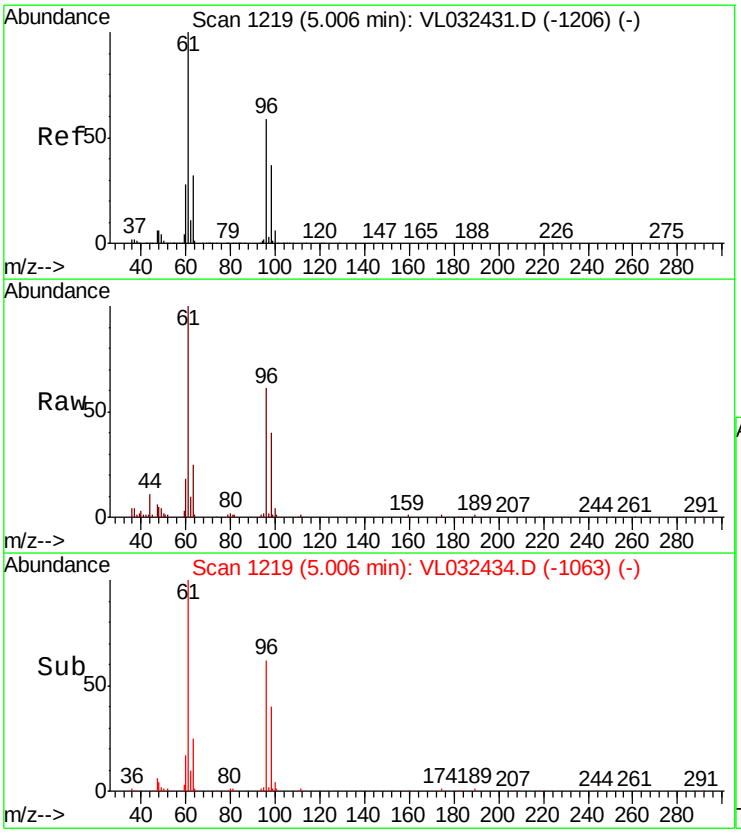

#21
Allyl Chloride
Concen: 0.477 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 41 Resp: 60039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 31.7 | 23.6 | 35.4 |
| 39 | 76.9 | 57.7 | 86.5 |

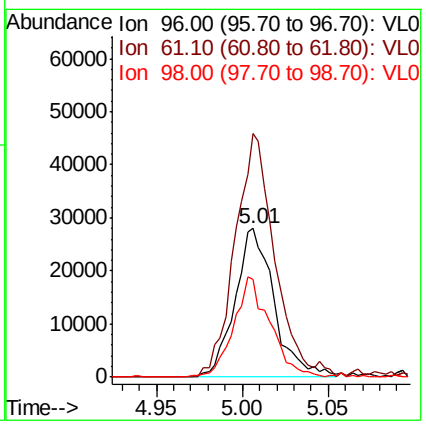


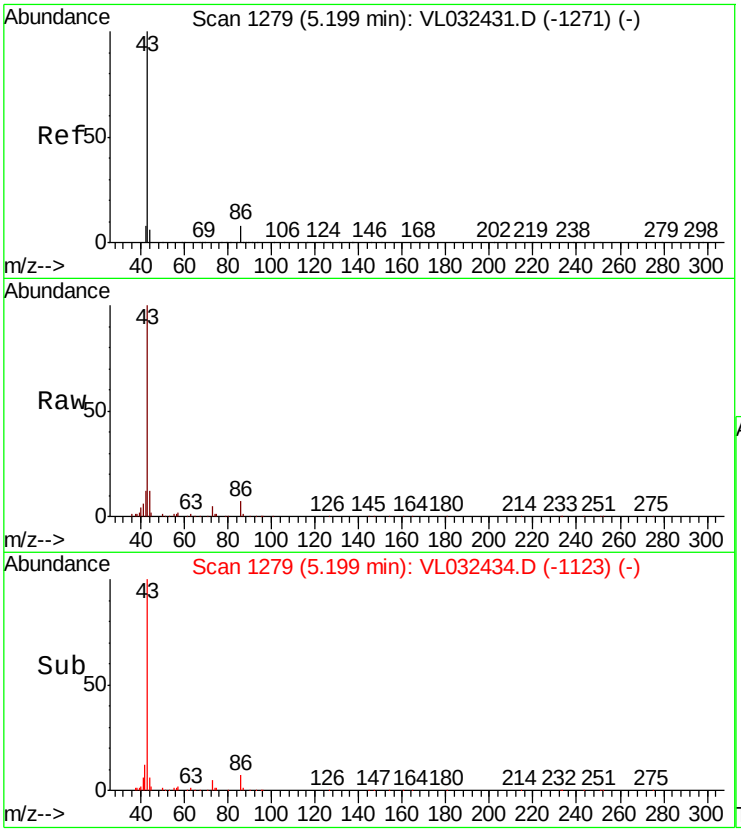




#22
trans-1,2-Dichloroethene
Concen: 0.572 ppbv
RT: 5.01 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 96 Resp: 44361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.6 | 136.2 | 204.4 |
| 98 | 65.6 | 50.4 | 75.6 |



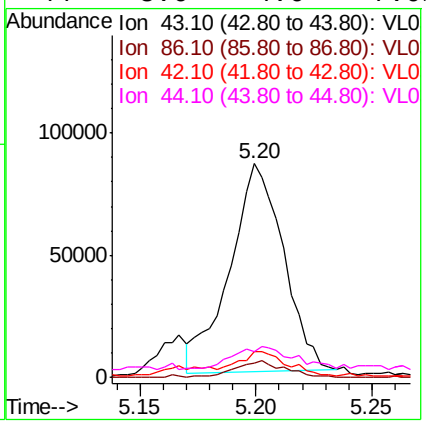


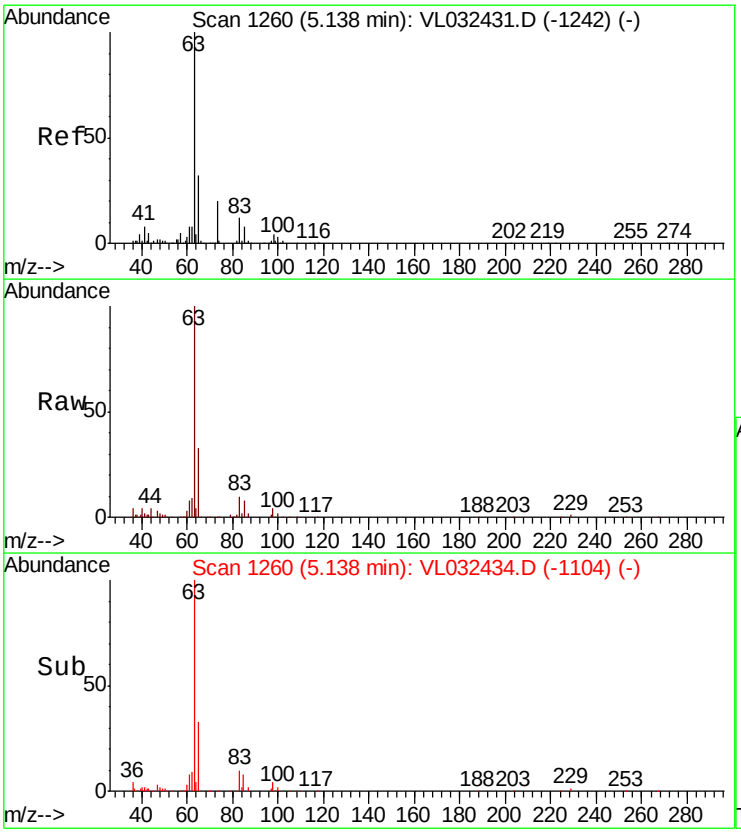

#23
Vinyl Acetate
Concen: 0.444 ppbv
RT: 5.20 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 43 Resp: 136330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 6.6 | 5.9 | 8.9 |
| 42 | 12.2 | 6.9 | 10.3# |
| 44 | 8.6 | 4.6 | 7.0# |

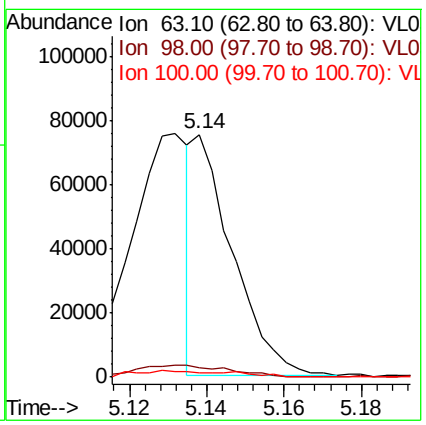


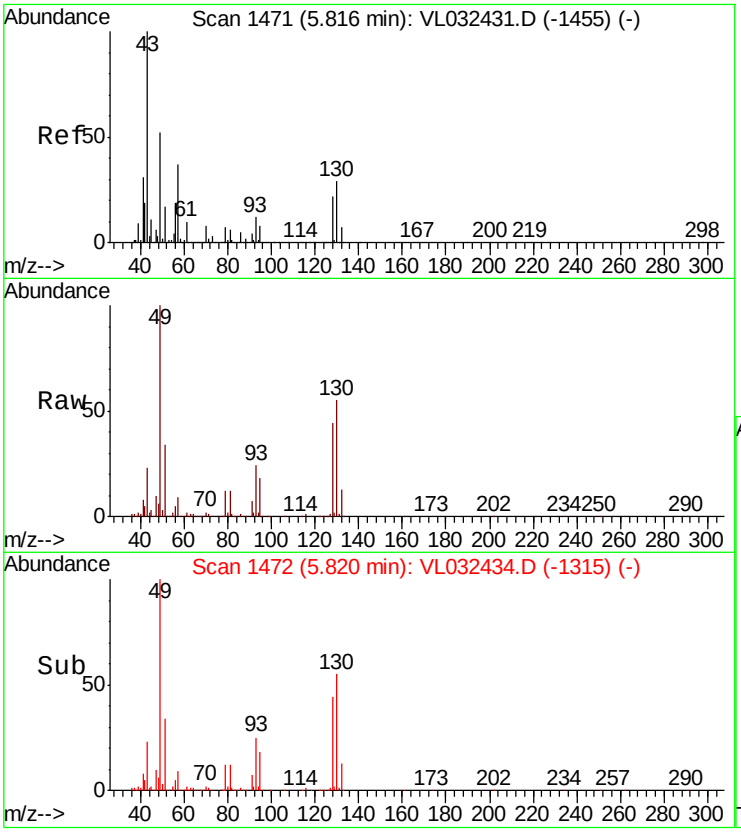




#24
1,1-Dichloroethane
Concen: 0.212 ppbv
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 63 Resp: 52152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.5 | 2.1 | 6.5 |
| 100 | 2.0 | 1.5 | 4.4 |



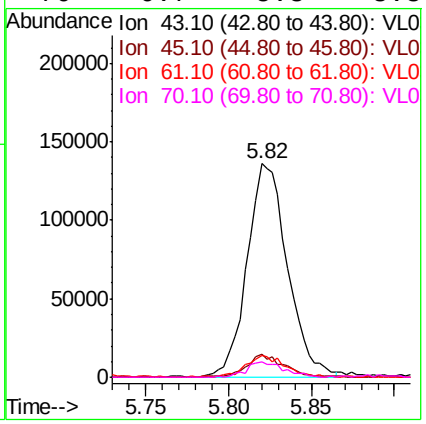


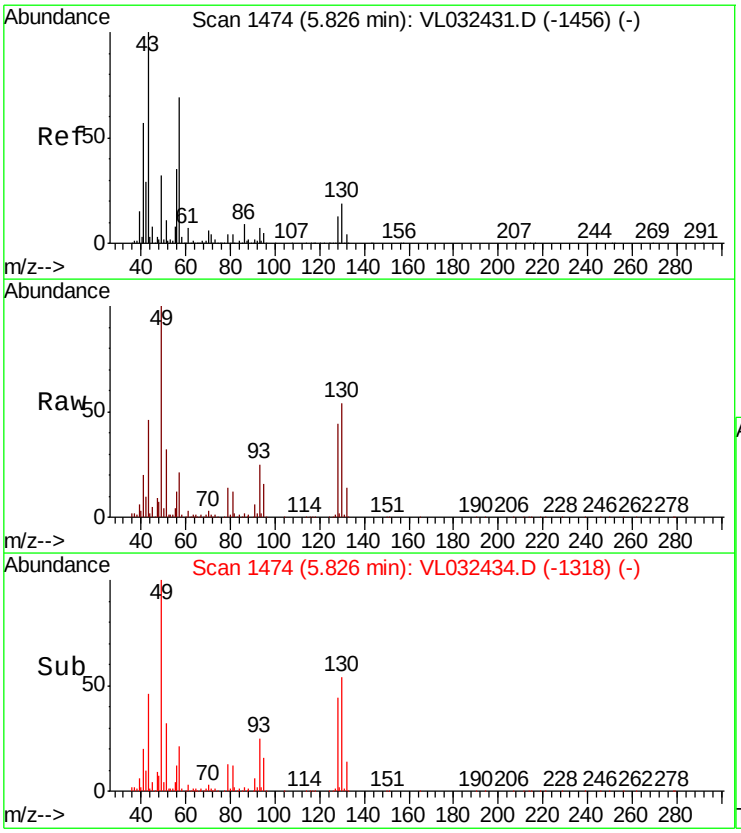

#25
Ethyl Acetate
Concen: 0.546 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 43 Resp: 230007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 10.1 | 8.0 | 12.0 |
| 61 | 10.3 | 7.6 | 11.4 |
| 70 | 6.7 | 5.8 | 8.8 |

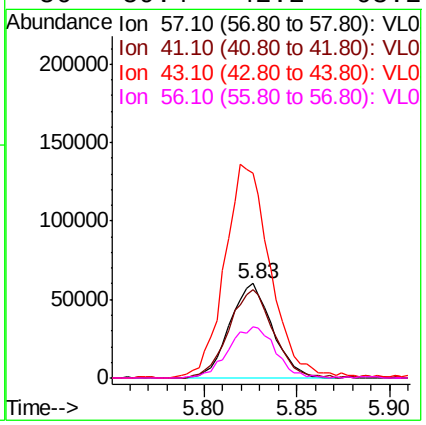


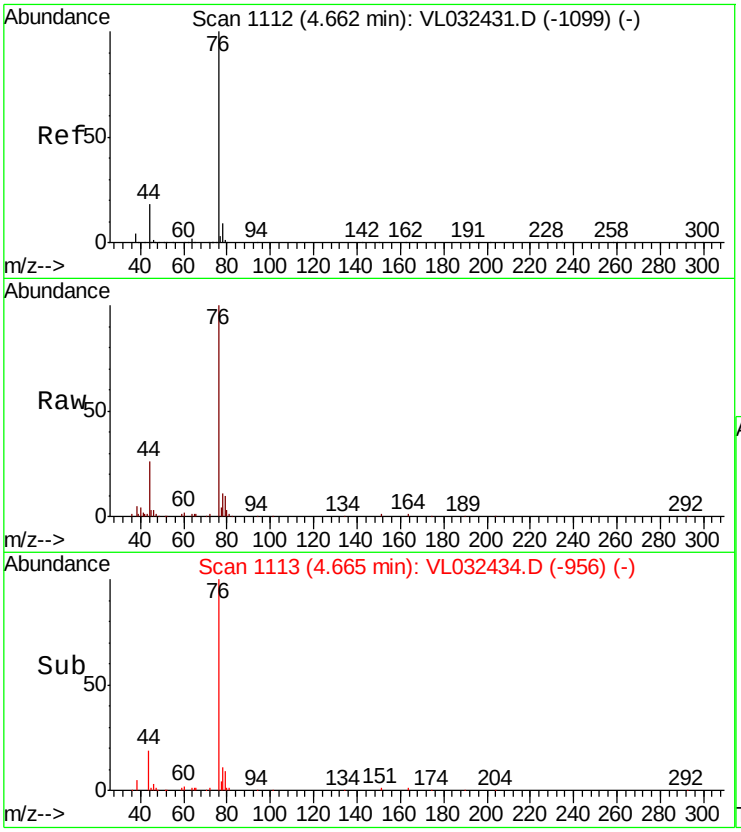




#26
Hexane
Concen: 0.508 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 57 Resp: 95812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 98.7 | 68.4 | 102.6 |
| 43 | 242.6 | 172.6 | 258.8 |
| 56 | 59.4 | 42.2 | 63.2 |



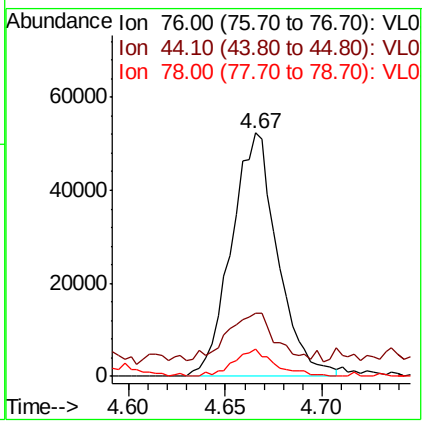


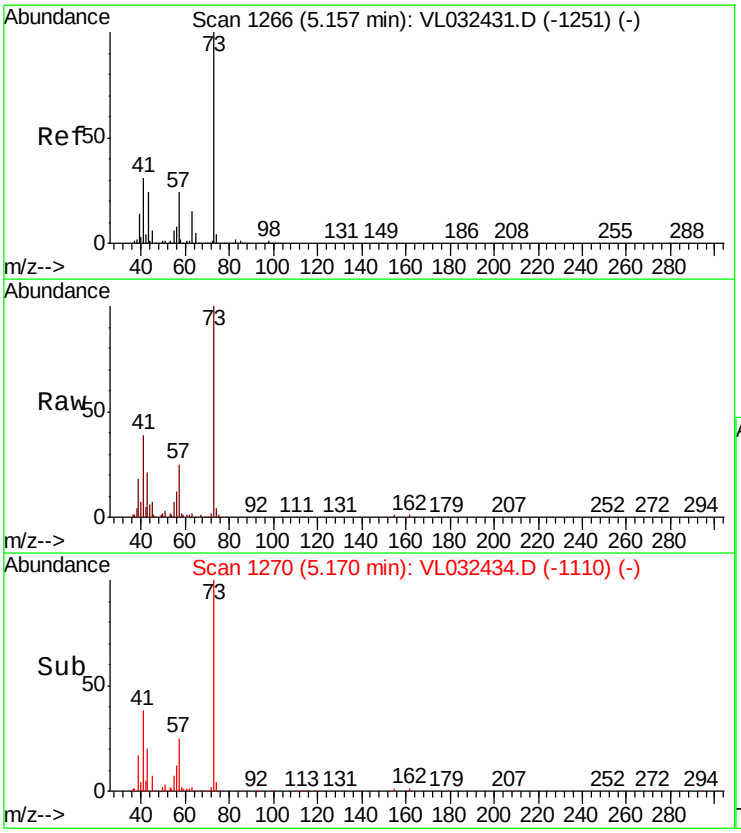

#27
Carbon Disulfide
Concen: 0.481 ppbv
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 76 Resp: 87151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 27.0 | 14.0 | 21.0# |
| 78 | 10.1 | 7.5 | 11.3 |

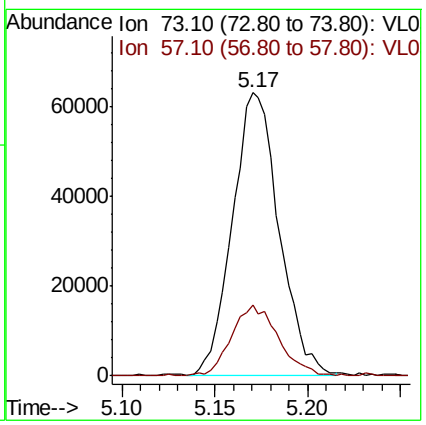


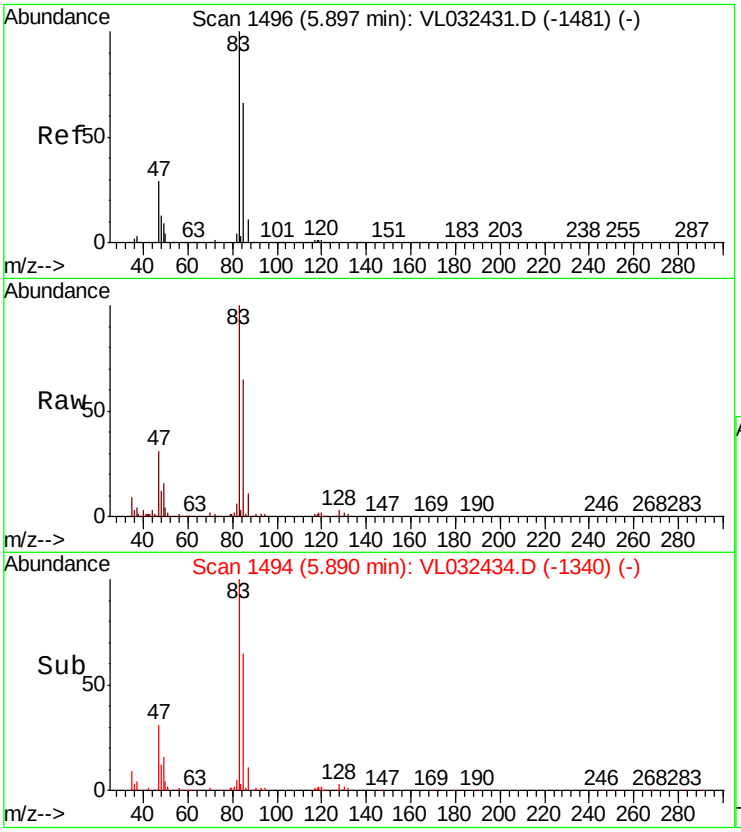




#28
Methyl tert-Butyl Ether
Concen: 0.472 ppbv
RT: 5.17 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 73 Resp: 109879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 25.3 | 19.3 | 28.9 |



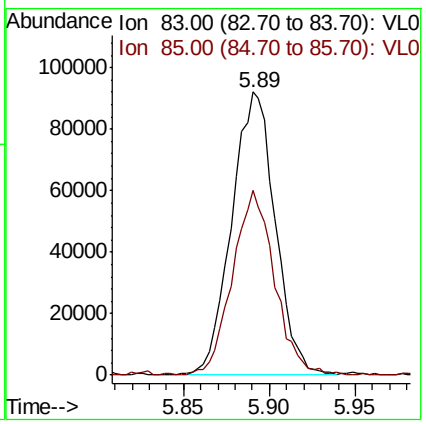


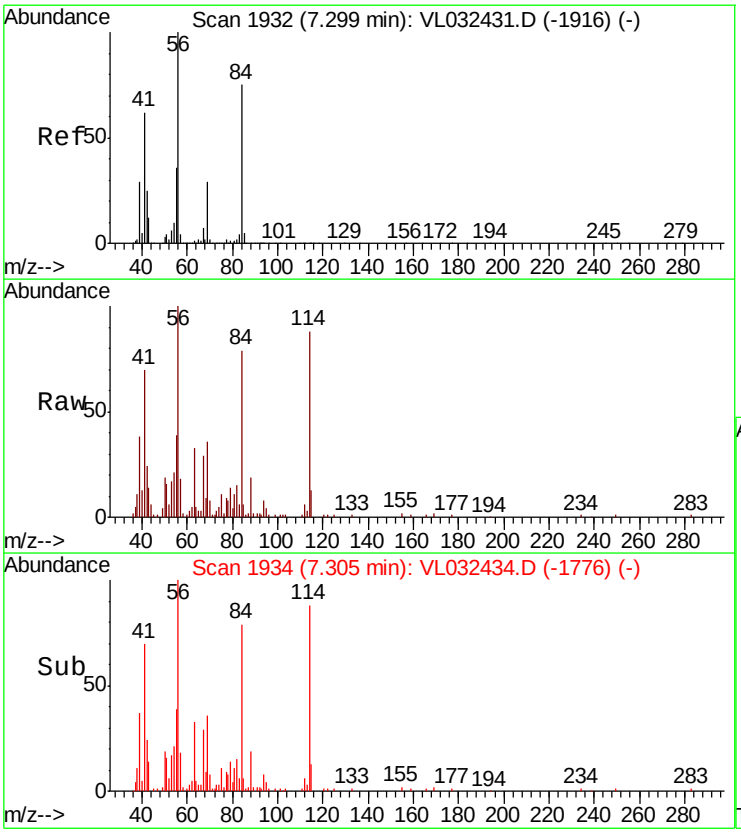

#29
Chloroform
Concen: 0.555 ppbv
RT: 5.89 min Scan# 1494
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 83 Resp: 161713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 52.5 | 78.7 |

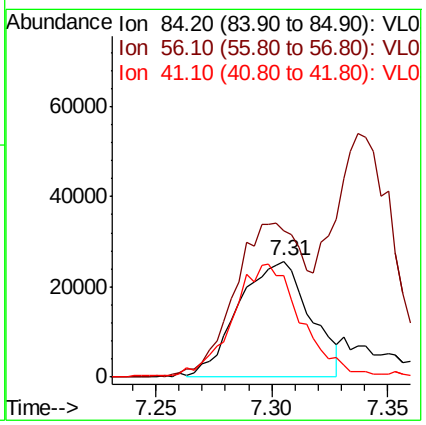


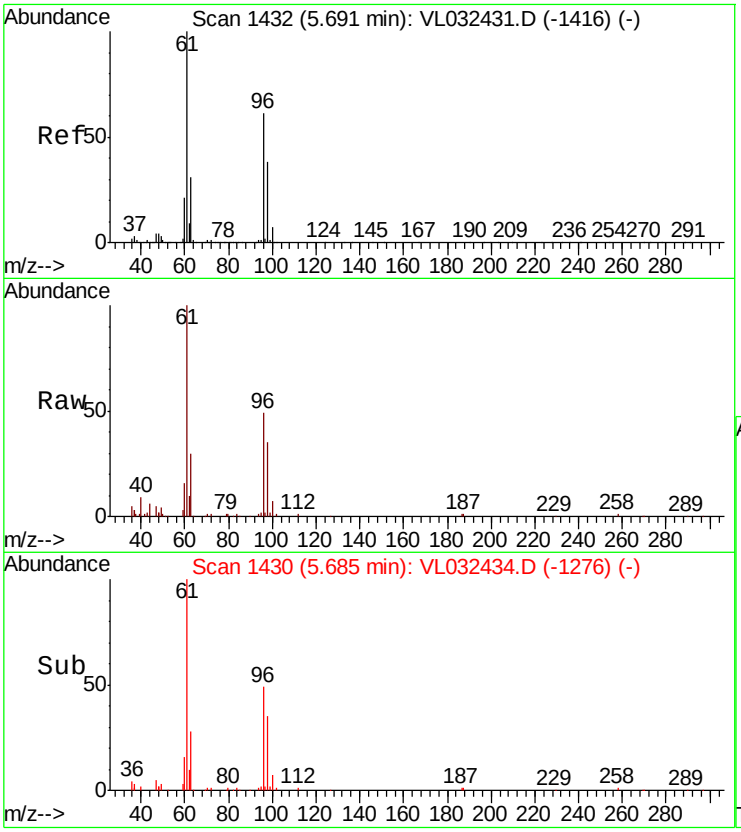




#30
Cyclohexane
Concen: 0.394 ppbv
RT: 7.31 min Scan# 1934
Delta R.T. 0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 84 Resp: 54870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 123.5 | 113.5 | 170.3 |
| 41 | 93.9 | 68.0 | 102.0 |



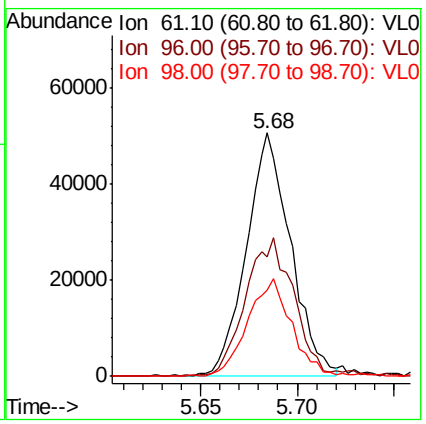


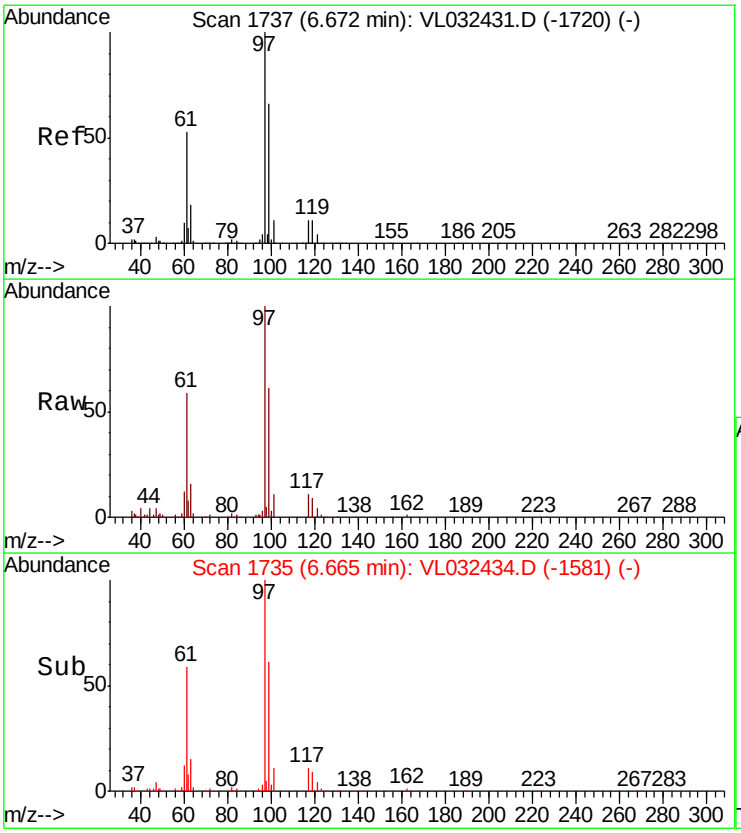

#31
cis-1,2-Dichloroethene
Concen: 0.468 ppbv
RT: 5.68 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 61 Resp: 80597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 48.5 | 49.2 | 73.8# |
| 98 | 35.0 | 30.7 | 46.1 |

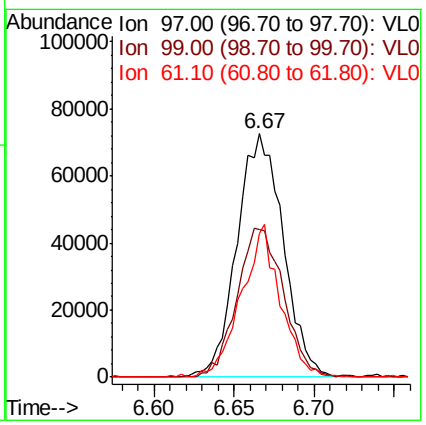


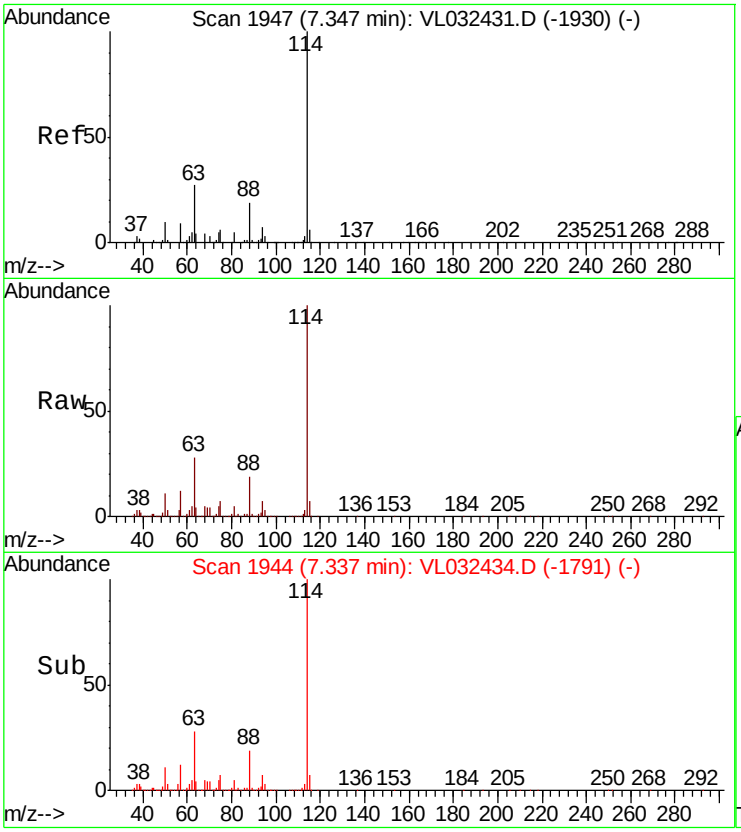




#32
1,1,1-Trichloroethane
Concen: 0.568 ppbv
RT: 6.67 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 97 Resp: 142877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.0 | 52.1 | 78.1 |
| 61 | 53.3 | 42.6 | 64.0 |



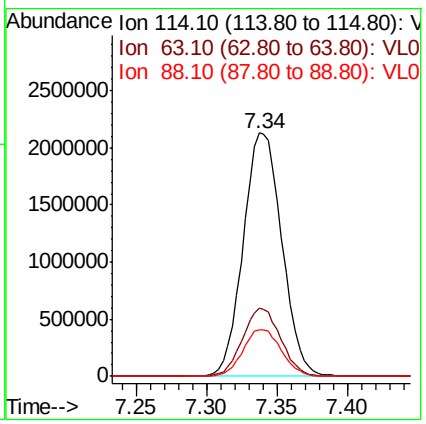


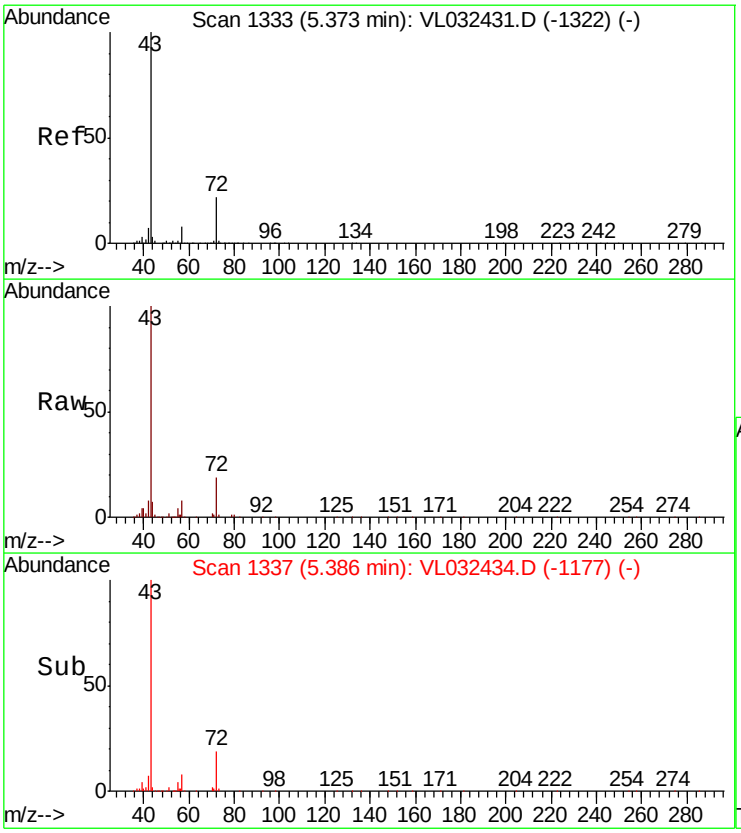

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:114 Resp: 4092466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 27.7 | 22.1 | 33.1 |
| 88 | 19.1 | 15.0 | 22.6 |

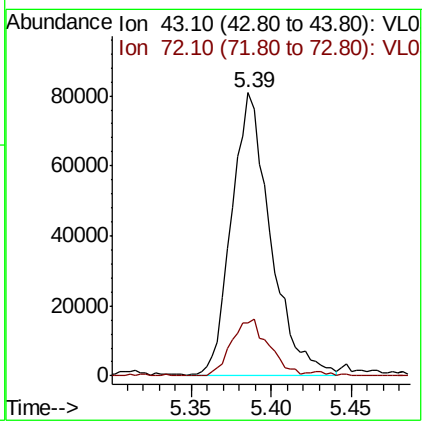


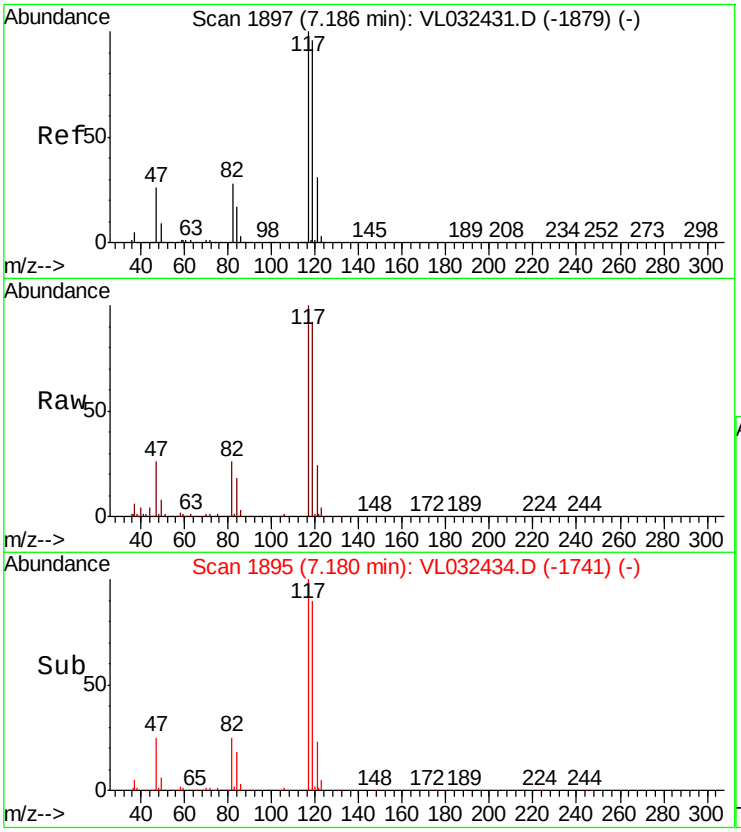




#34
2-Butanone
Concen: 0.510 ppbv
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 43 Resp: 132960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 20.2 | 17.8 | 26.6 |



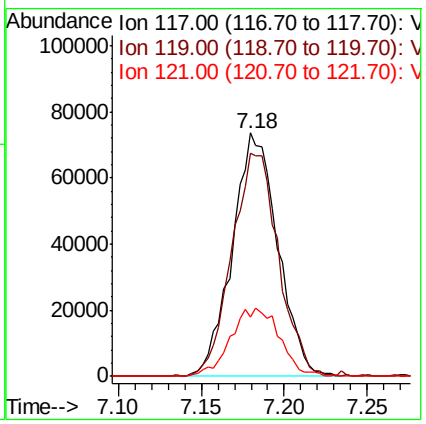


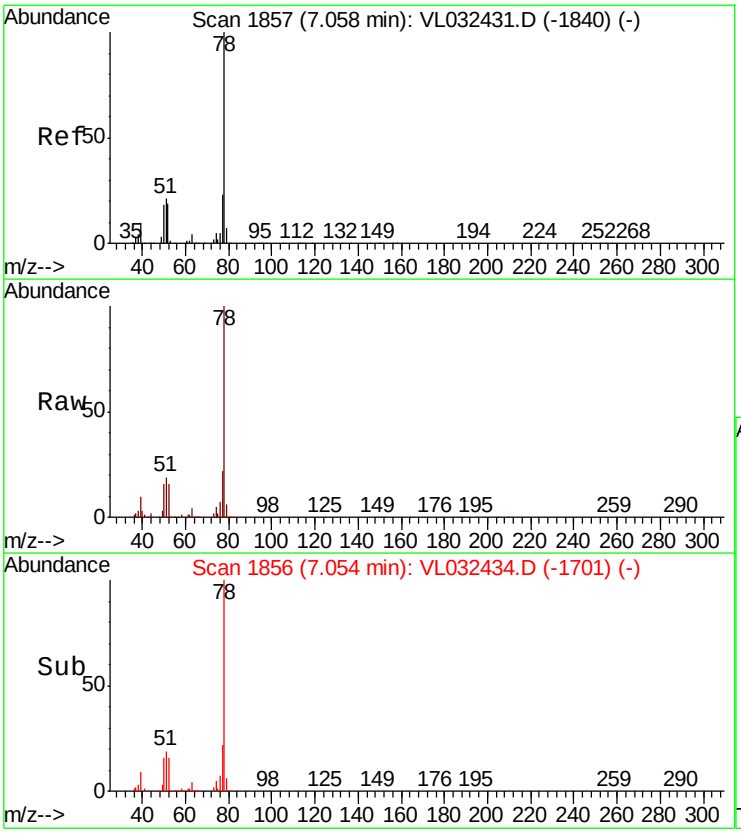

#35
Carbon Tetrachloride
Concen: 0.555 ppbv
RT: 7.18 min Scan# 1895
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion:117 Resp: 140569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.7 | 76.6 | 115.0 |
| 121 | 24.8 | 24.6 | 36.8 |

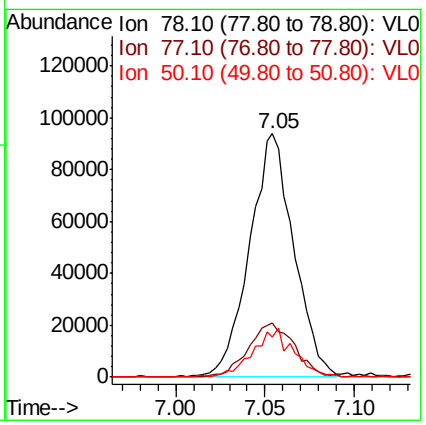


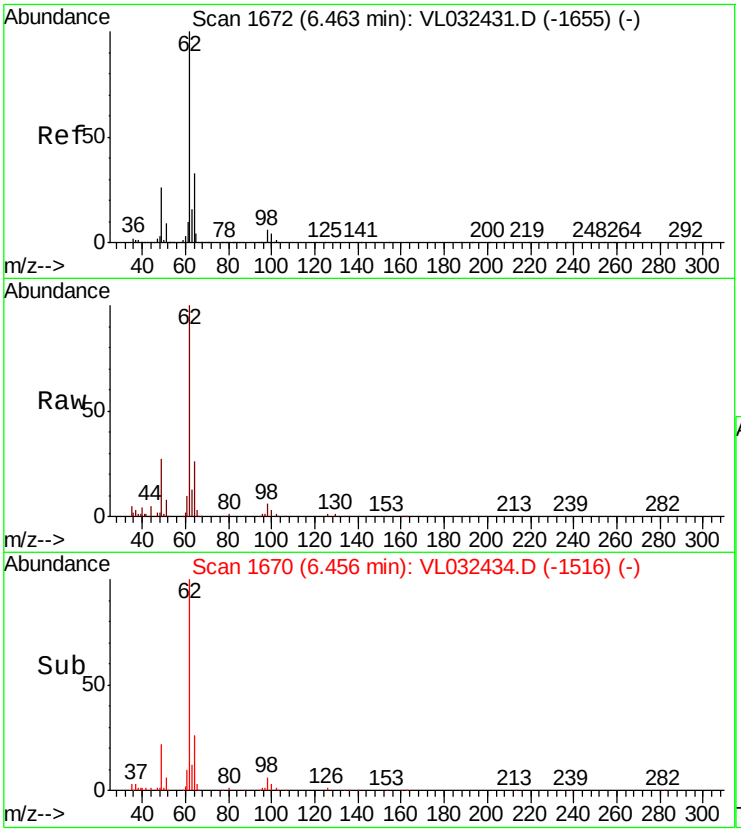




#36
Benzene
Concen: 0.480 ppbv
RT: 7.05 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 78 Resp: 162634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.9 | 18.4 | 27.6 |
| 50 | 16.2 | 14.4 | 21.6 |



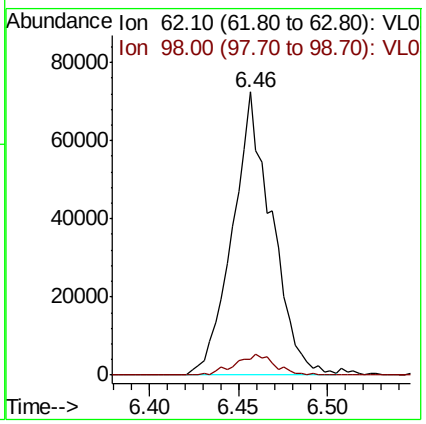


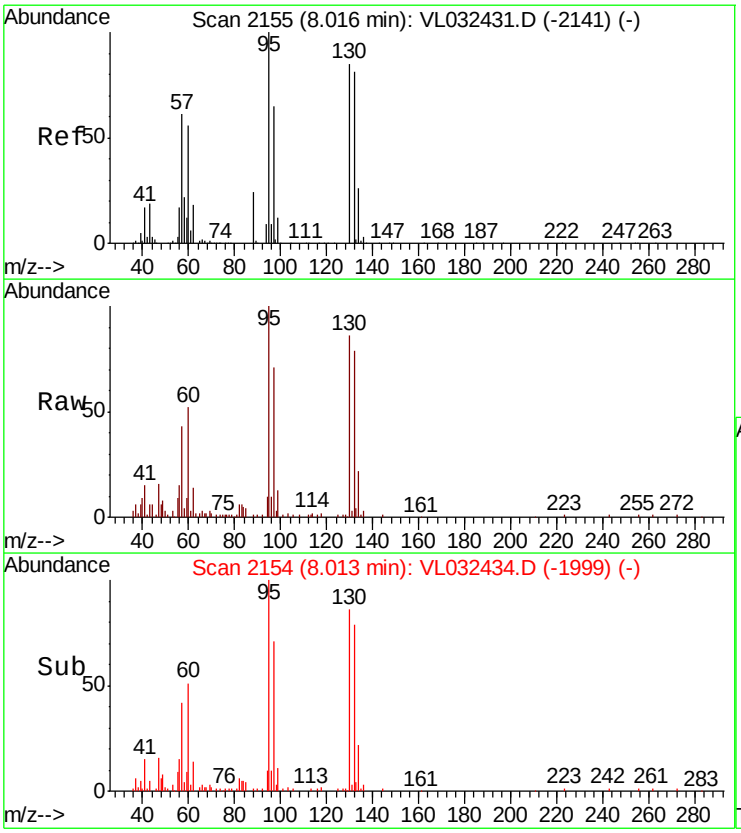

#37
1,2-Dichloroethane
Concen: 0.532 ppbv
RT: 6.46 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 62 Resp: 111592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.3 | 5.0 | 7.6 |

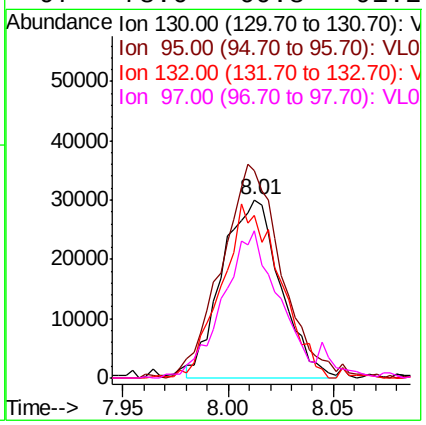


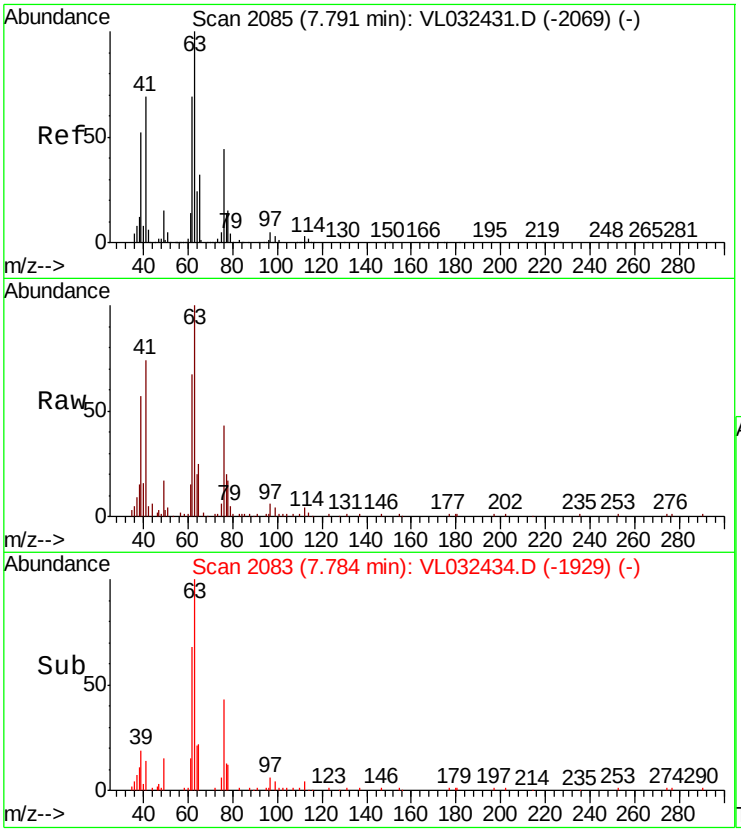




#38
Trichloroethene
Concen: 0.511 ppbv
RT: 8.01 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:130 Resp: 57809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 114.4 | 94.2 | 141.4 |
| 132 | 97.4 | 76.2 | 114.4 |
| 97 | 78.0 | 60.8 | 91.2 |



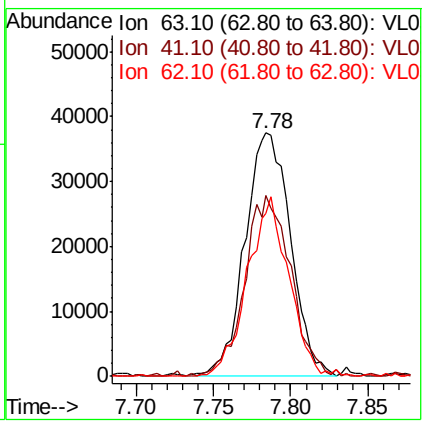


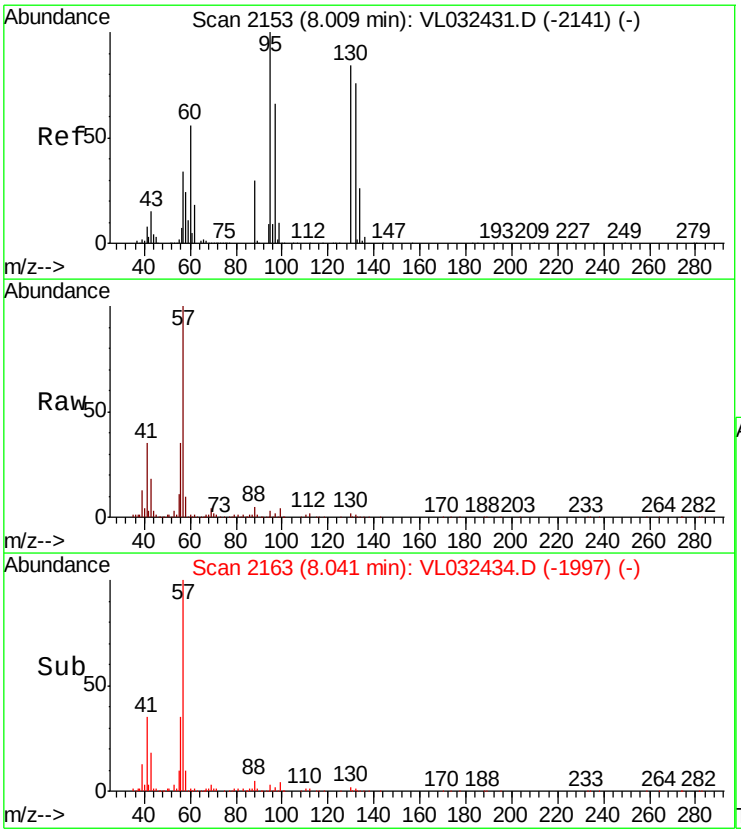

#39
1,2-Dichloropropane
Concen: 0.541 ppbv
RT: 7.78 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 63 Resp: 76996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 73.6 | 55.4 | 83.0 |
| 62 | 67.2 | 55.4 | 83.0 |

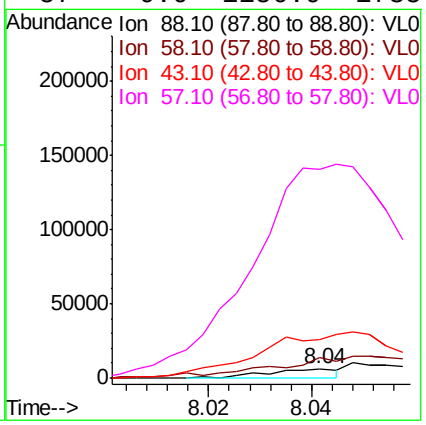


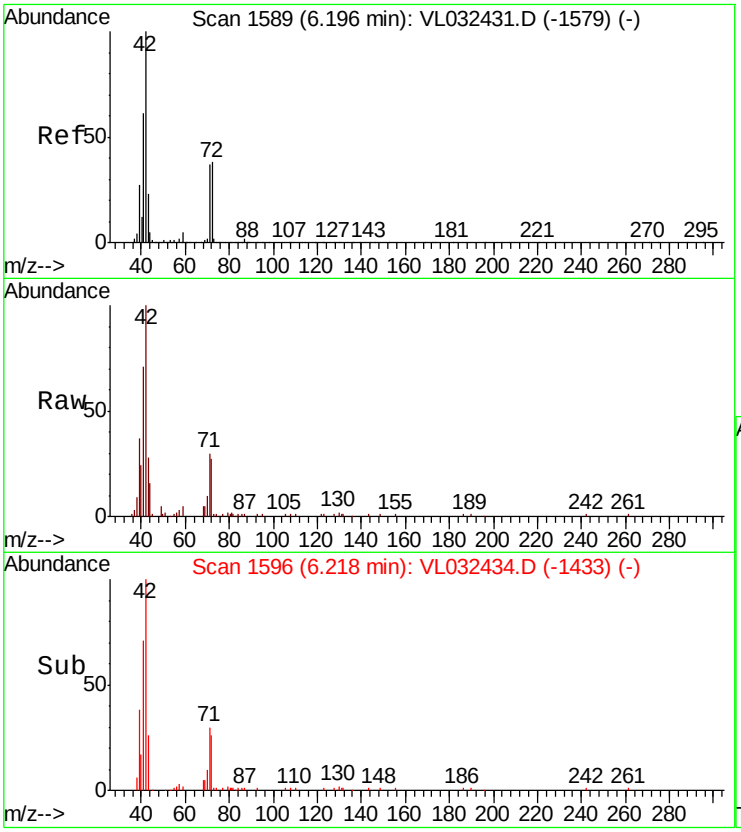




#40
1,4-Dioxane
Concen: 0.136 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. 0.03 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 88 Resp: 5752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 119.7 | 179.5# |
| 43 | 0.0 | 253.0 | 379.4# |
| 57 | 0.0 | 1156.9 | 1735.3# |



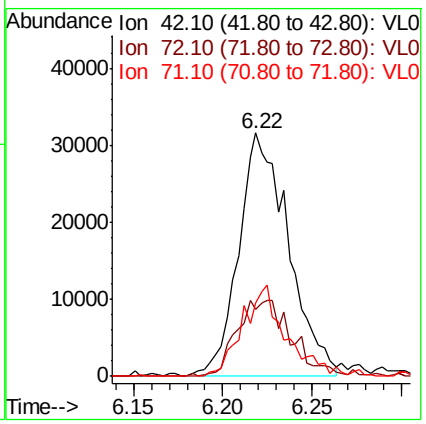


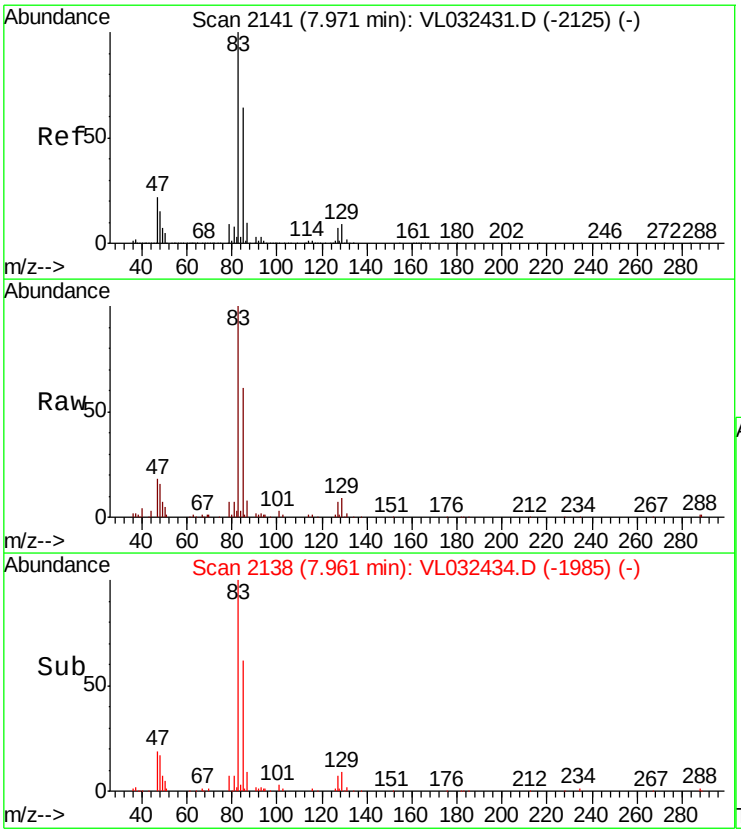

#41
Tetrahydrofuran
Concen: 0.442 ppbv
RT: 6.22 min Scan# 1596
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 42 Resp: 61625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 35.1 | 29.5 | 44.3 |
| 71 | 33.1 | 28.3 | 42.5 |

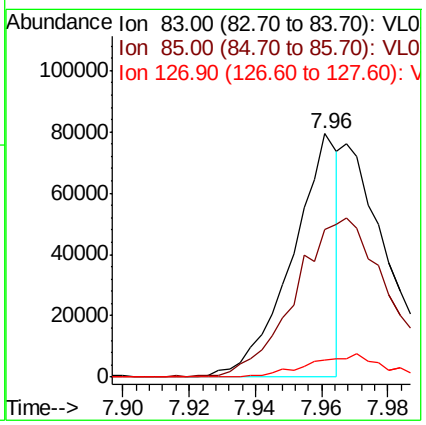


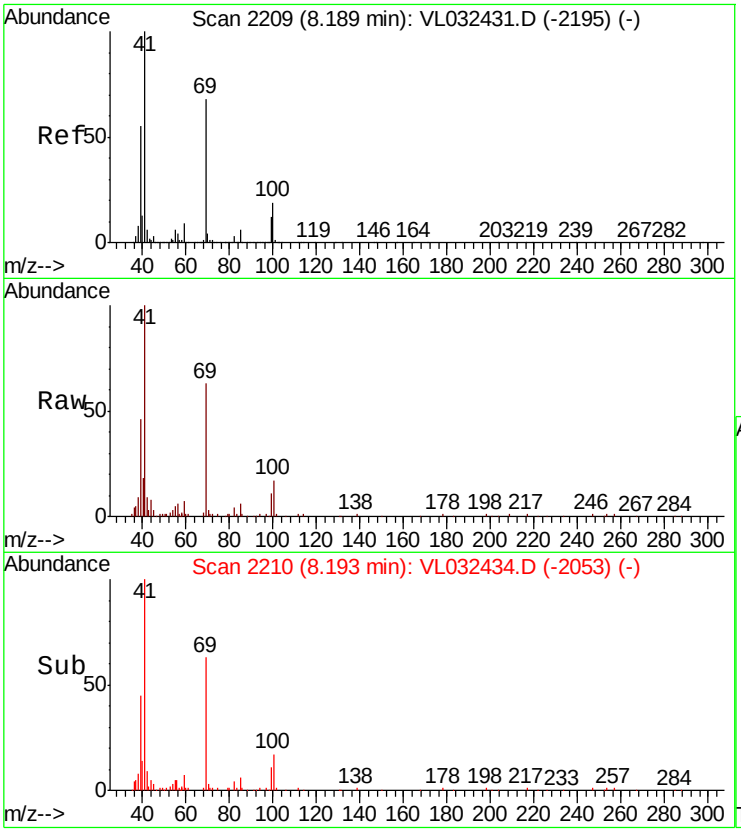




#42
Bromodichloromethane
Concen: 0.267 ppbv
RT: 7.96 min Scan# 2138
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 83 Resp: 76699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.4 | 51.1 | 76.7 |
| 127 | 7.2 | 5.8 | 8.8 |



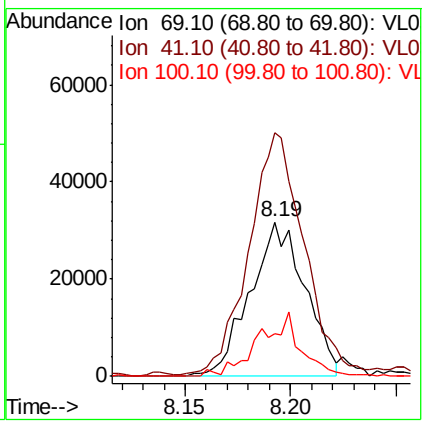


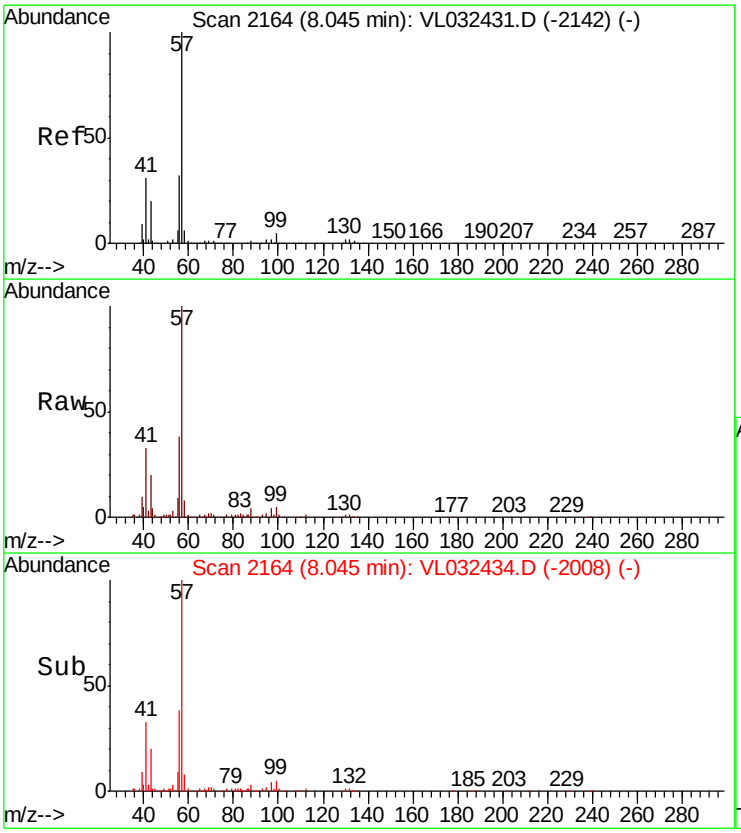

#43
Methyl Methacrylate
Concen: 0.413 ppbv
RT: 8.19 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 69 Resp: 57706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 163.2 | 117.2 | 175.8 |
| 100 | 31.7 | 23.4 | 35.2 |

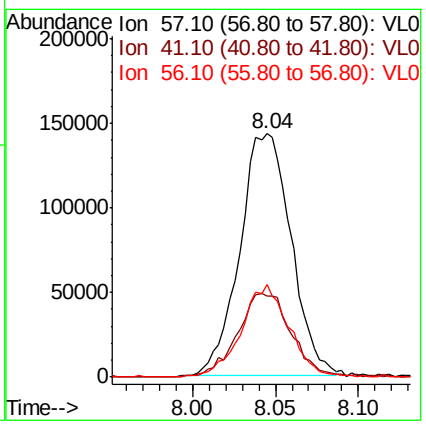


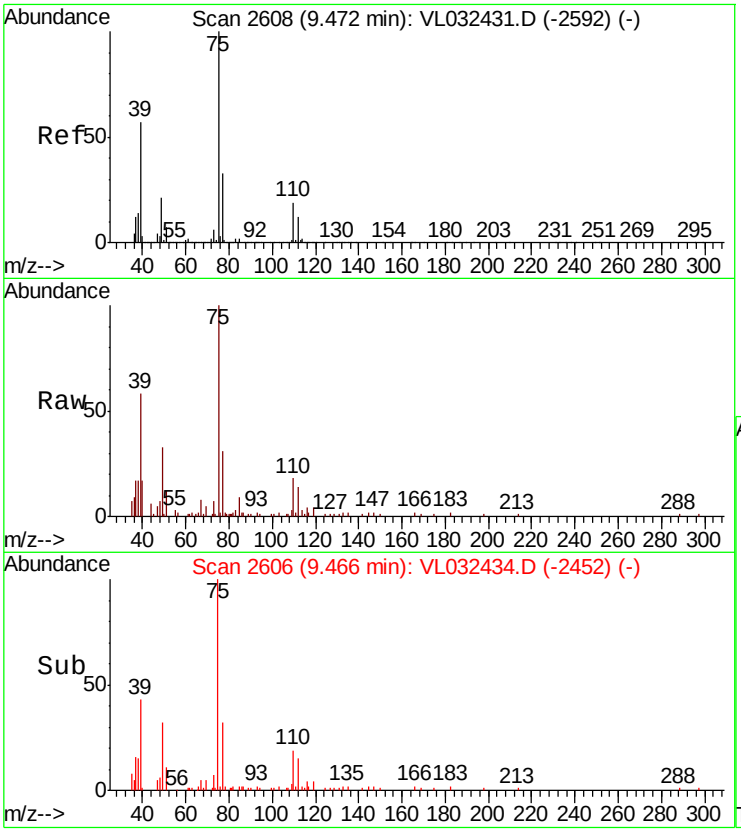




#44
2,2,4-Trimethylpentane
Concen: 0.484 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 57 Resp: 306181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 36.6 | 24.3 | 36.5# |
| 56 | 36.0 | 25.7 | 38.5 |



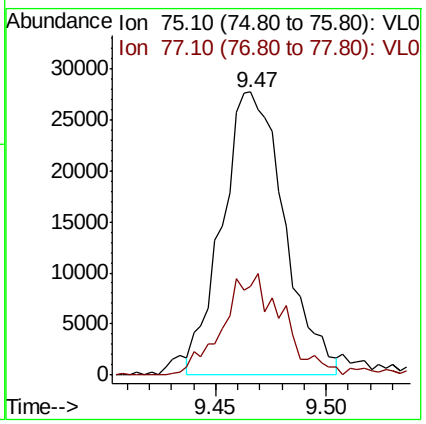


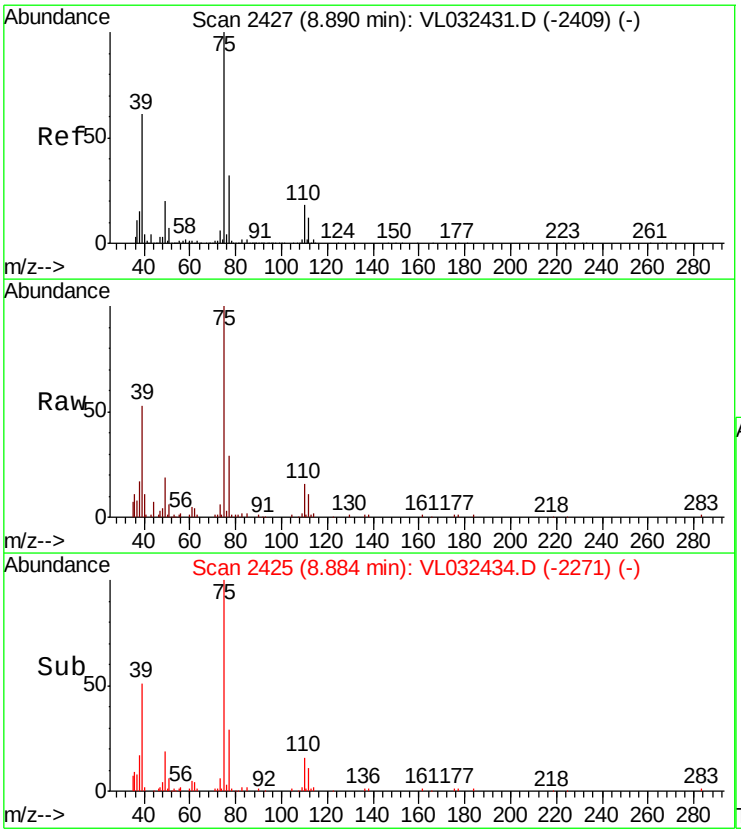

#45
t-1,3-Dichloropropene
Concen: 0.328 ppbv
RT: 9.47 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 75 Resp: 54444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 26.2 | 39.2 |

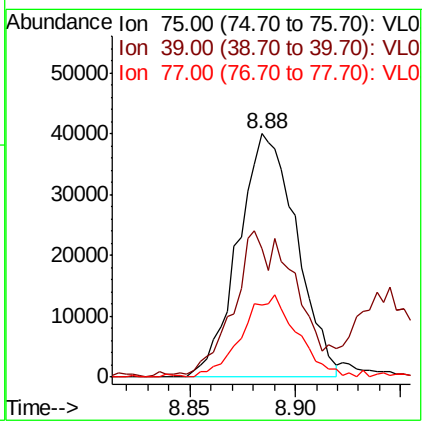


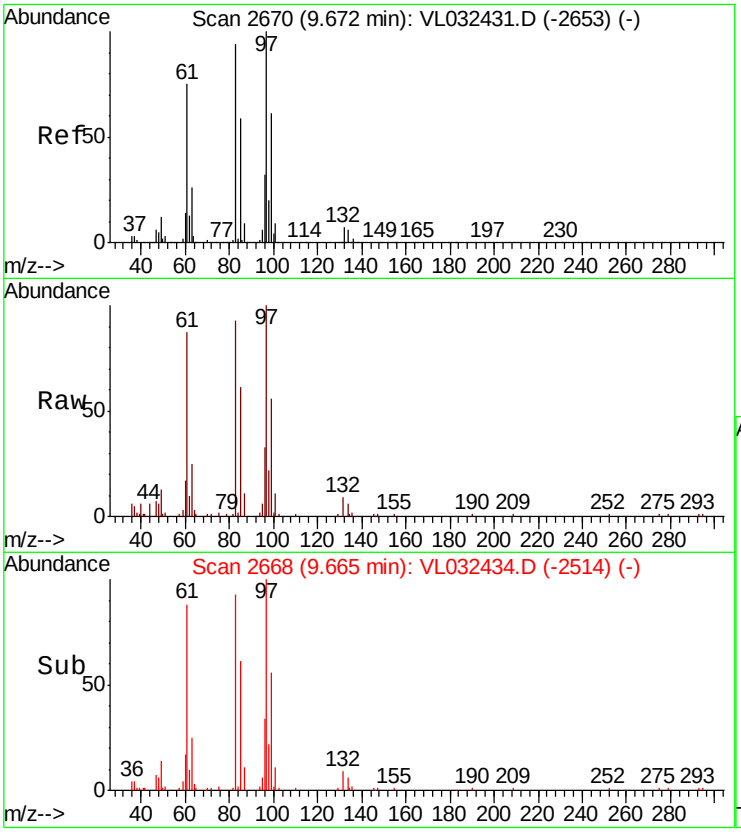




#46
cis-1,3-Dichloropropene
Concen: 0.380 ppbv
RT: 8.88 min Scan# 2425
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 75 Resp: 77125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 51.4 | 48.9 | 73.3 |
| 77 | 29.5 | 25.4 | 38.0 |



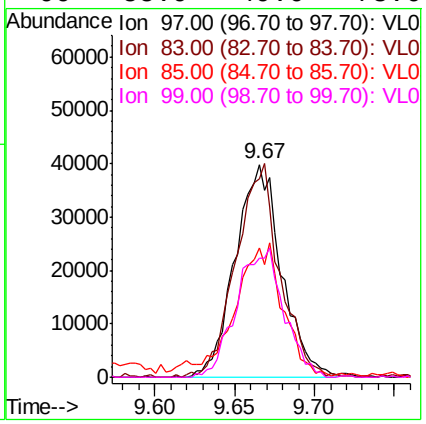


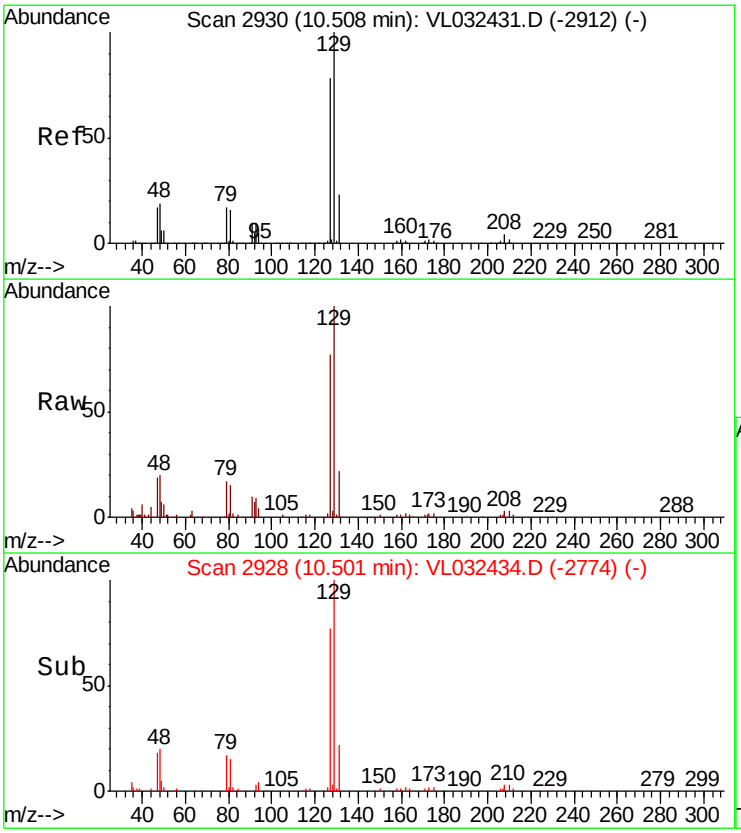

#47
1,1,2-Trichloroethane
Concen: 0.516 ppbv
RT: 9.67 min Scan# 2668
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 97 Resp: 78659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 92.0 | 75.0 | 112.4 |
| 85 | 59.6 | 47.5 | 71.3 |
| 99 | 55.9 | 49.0 | 73.6 |

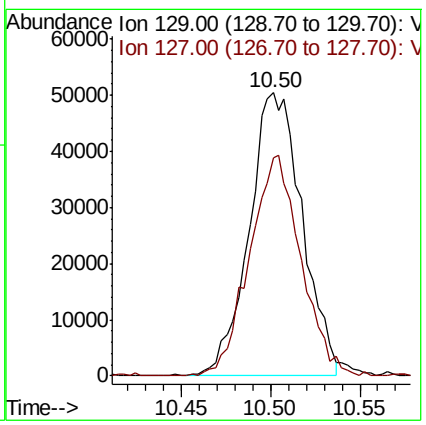


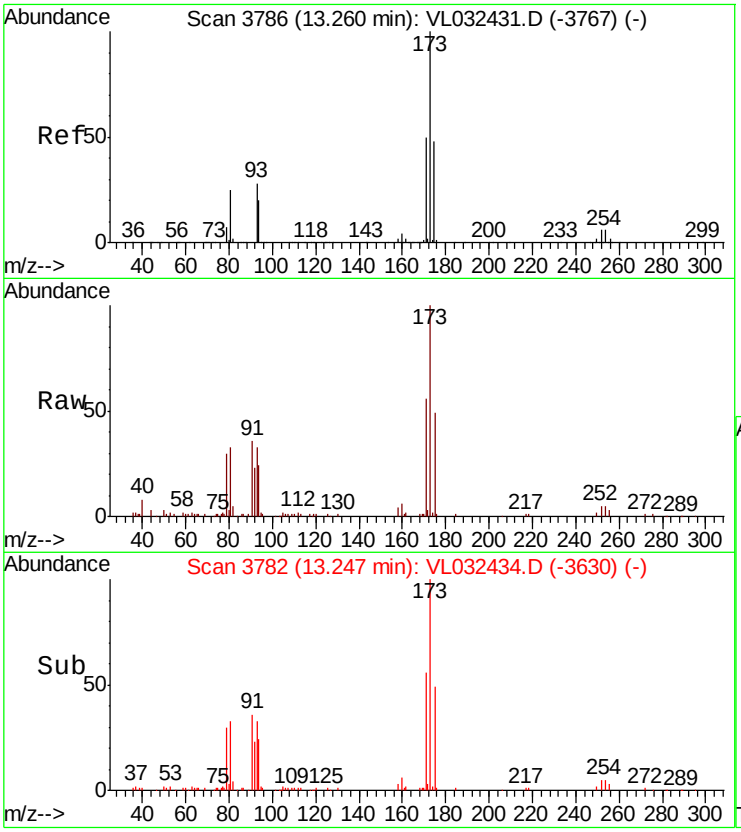




#48
Dibromochloromethane
Concen: 0.487 ppbv
RT: 10.50 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:129 Resp: 104624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.7 | 39.5 | 118.3 |



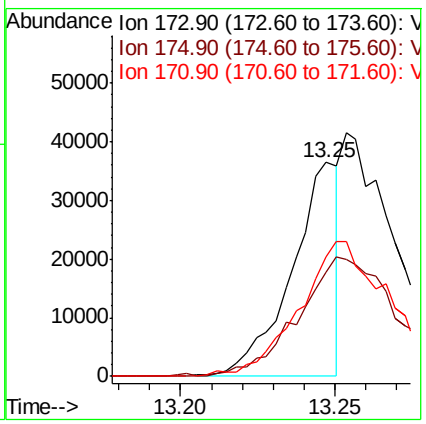


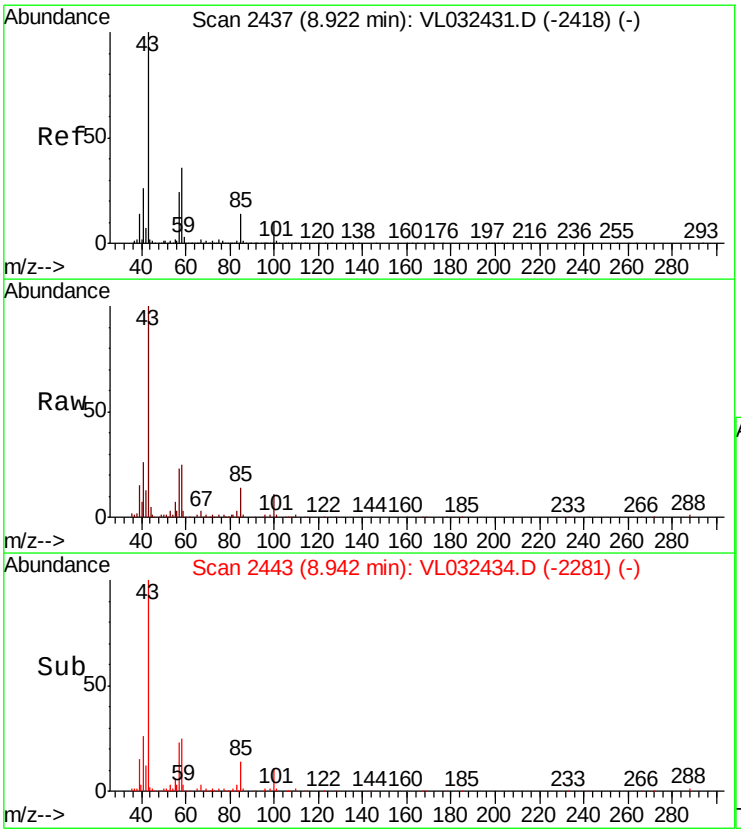

#49
Bromoform
Concen: 0.203 ppbv
RT: 13.25 min Scan# 3782
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:173 Resp: 38270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 38.9 | 58.3# |
| 171 | 0.0 | 41.6 | 62.4# |

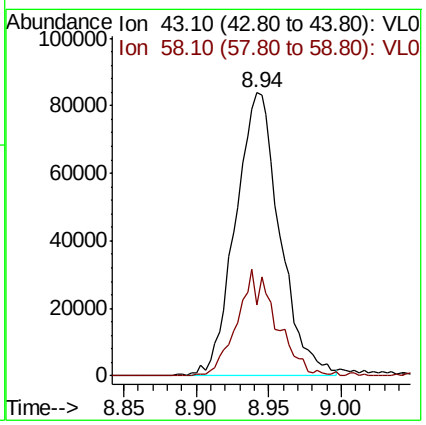


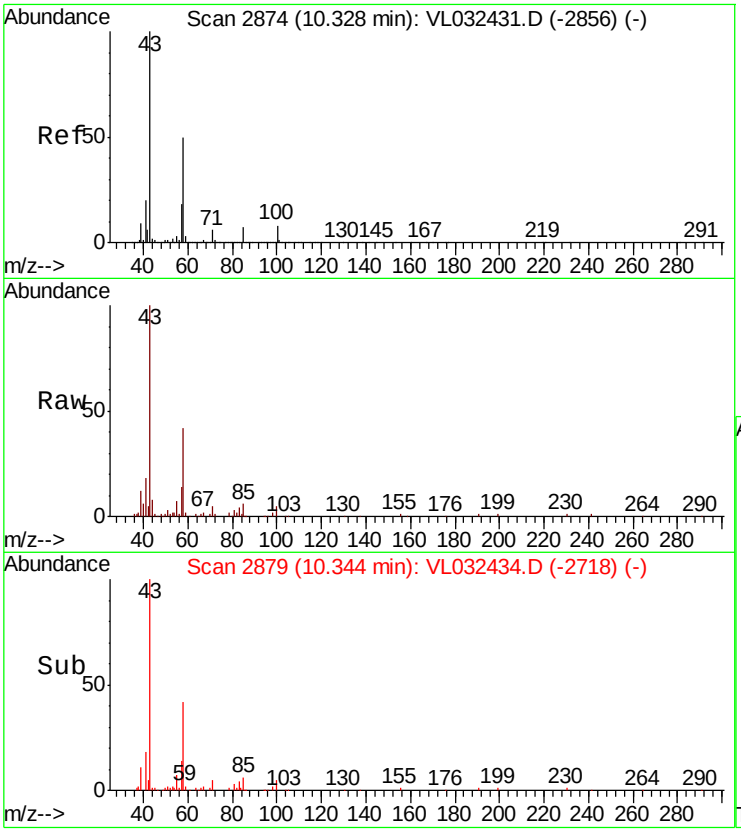




#50
4-Methyl-2-Pentanone
Concen: 0.441 ppbv
RT: 8.94 min Scan# 2443
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 43 Resp: 178122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.6 | 28.9 | 43.3 |



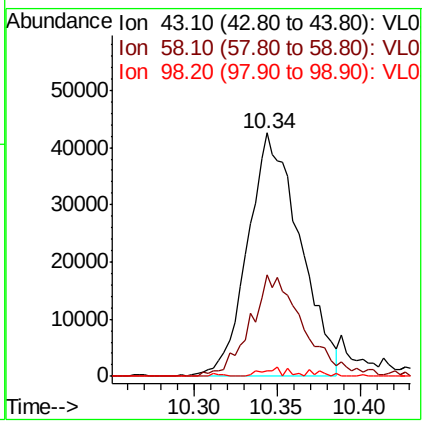


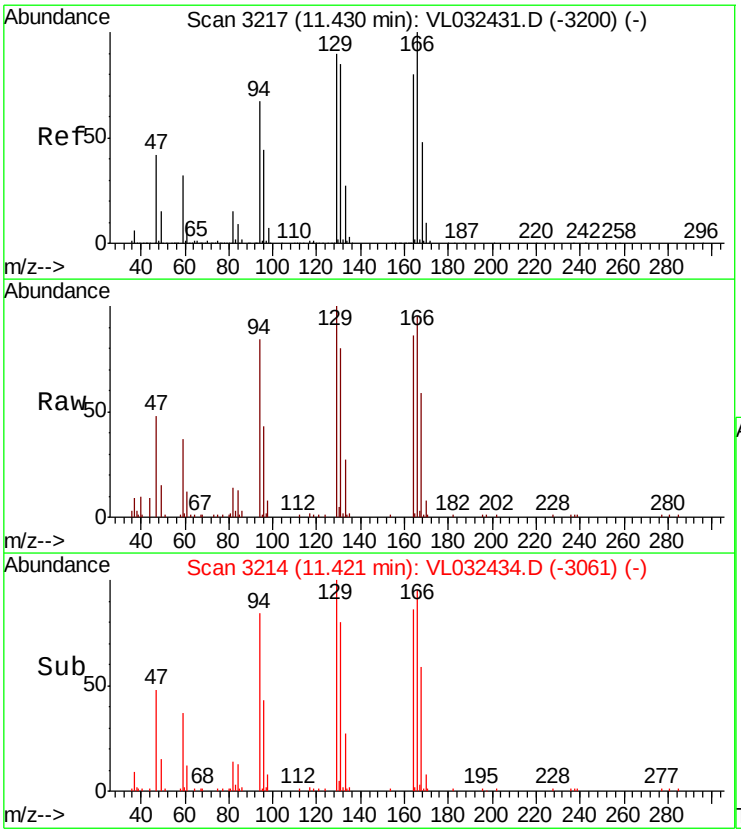

#51
2-Hexanone
Concen: 0.350 ppbv
RT: 10.34 min Scan# 2879
Delta R.T. 0.02 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 43 Resp: 93462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 43.5 | 39.2 | 58.8 |
| 98 | 2.5 | 0.4 | 0.6# |

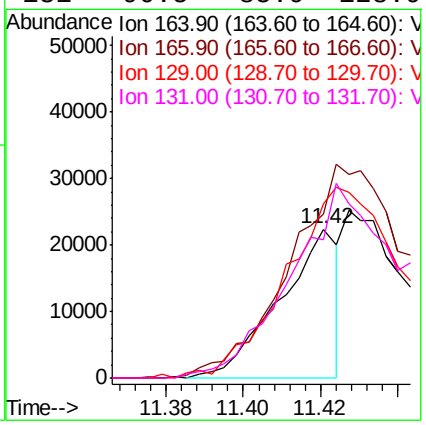


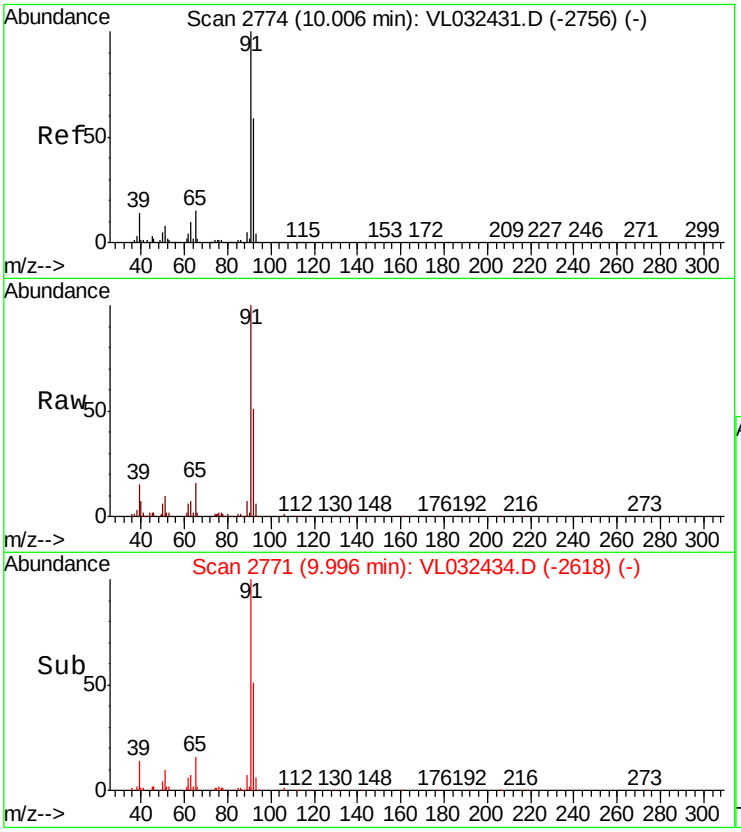




#52
Tetrachloroethene
Concen: 0.241 ppbv
RT: 11.42 min Scan# 3214
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:164 Resp: 23428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 108.4 | 100.6 | 150.8 |
| 129 | 113.5 | 89.9 | 134.9 |
| 131 | 90.5 | 85.9 | 128.9 |



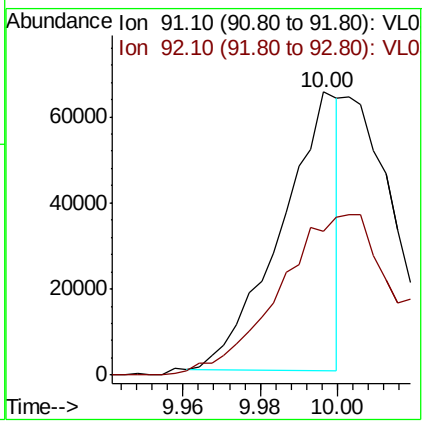


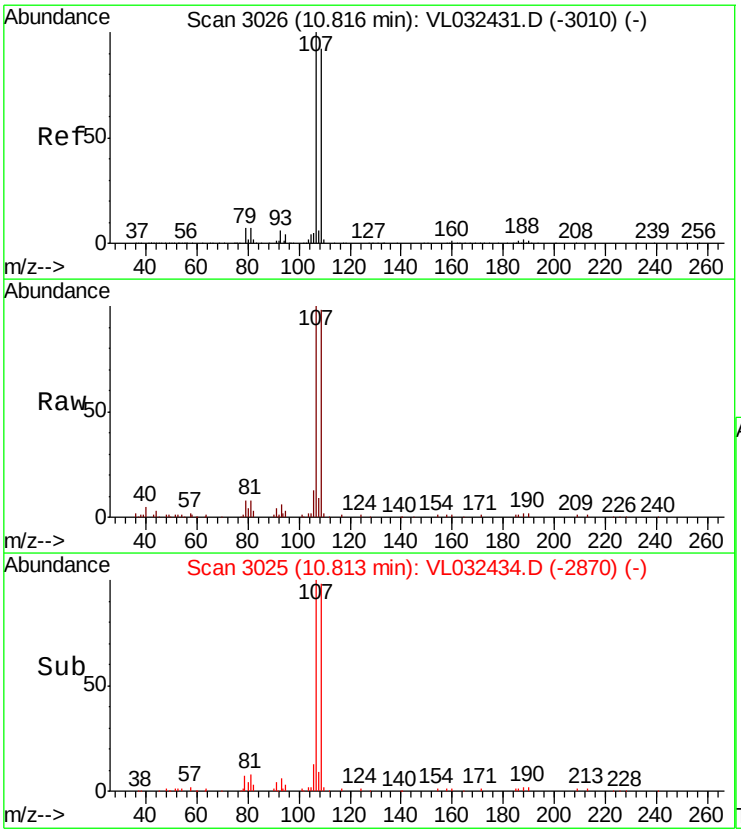

#53
Toluene
Concen: 0.190 ppbv
RT: 10.00 min Scan# 2771
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 91 Resp: 67405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 0.0 | 48.1 | 72.1# |

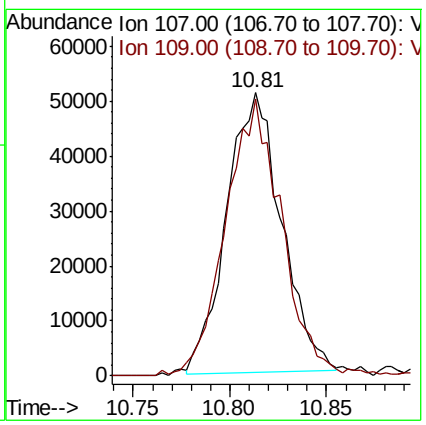


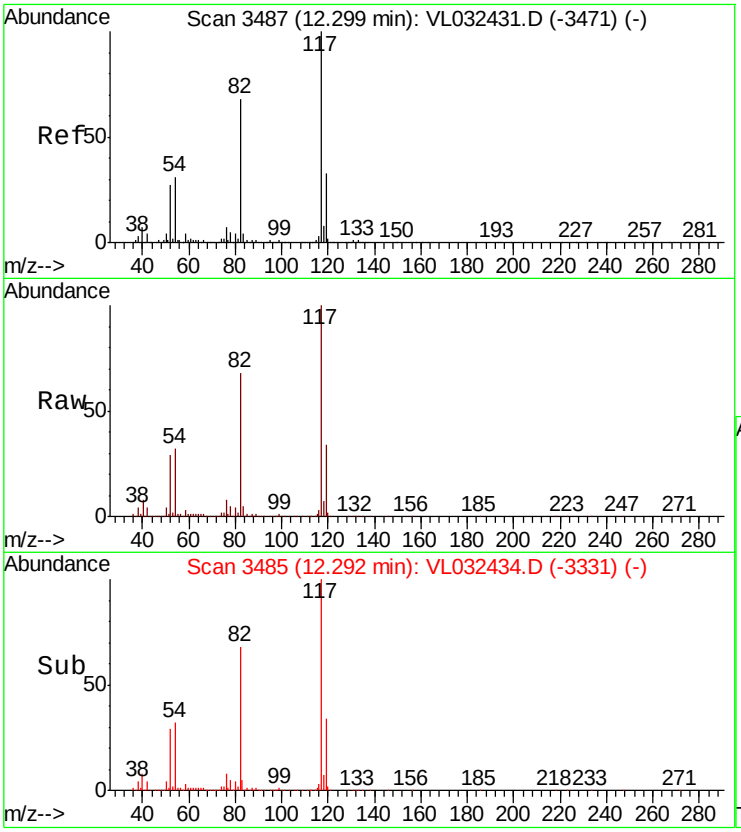




#54
1,2-Dibromoethane
Concen: 0.457 ppbv
RT: 10.81 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:107 Resp: 100541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 97.5 | 73.9 | 110.9 |



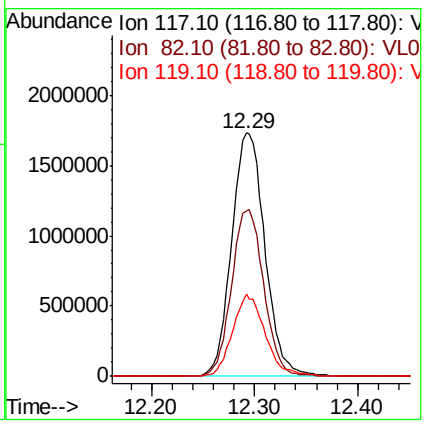


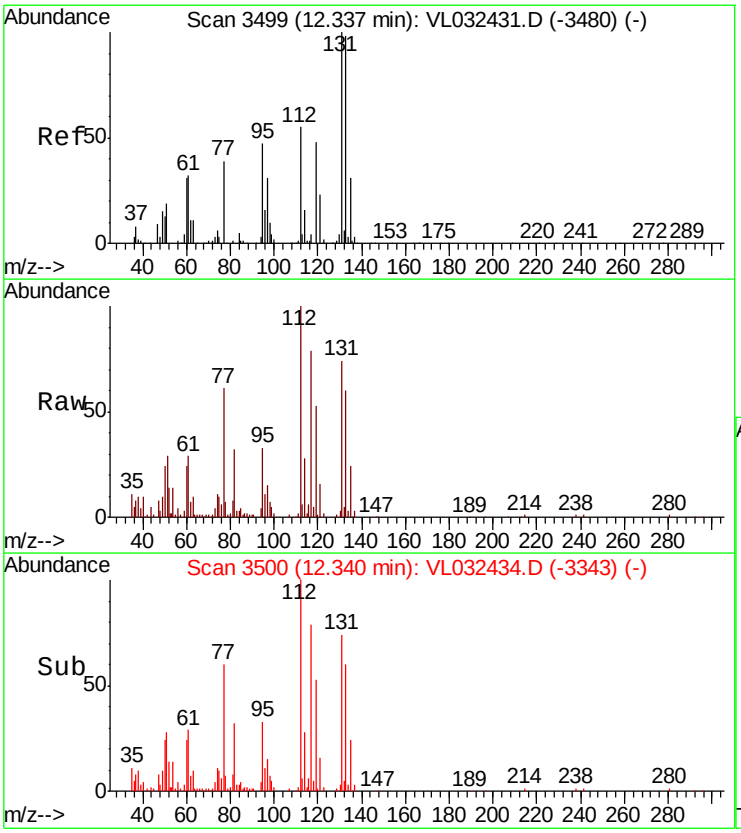

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:117 Resp: 3887640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 66.7 | 51.5 | 77.3 |
| 119 | 33.4 | 44.6 | 66.8# |

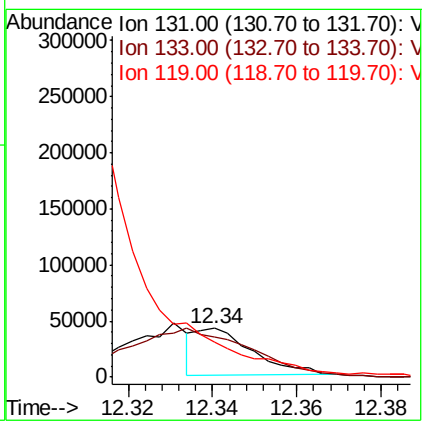


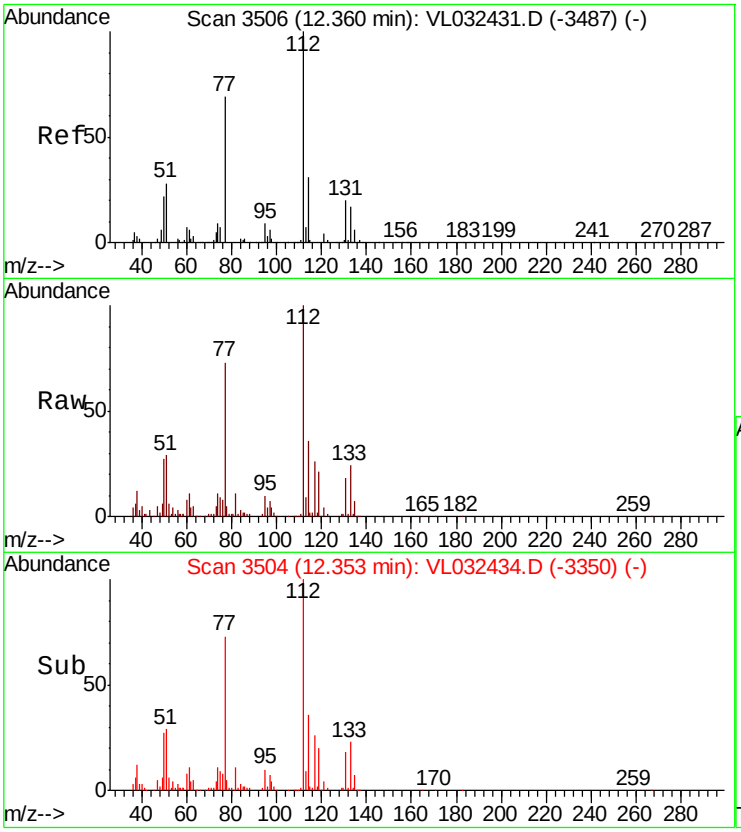




#56
1,1,1,2-Tetrachloroethane
Concen: 0.232 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:131 Resp: 38872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 0.0 | 77.0 | 115.4# |
| 119 | 0.0 | 48.9 | 73.3# |



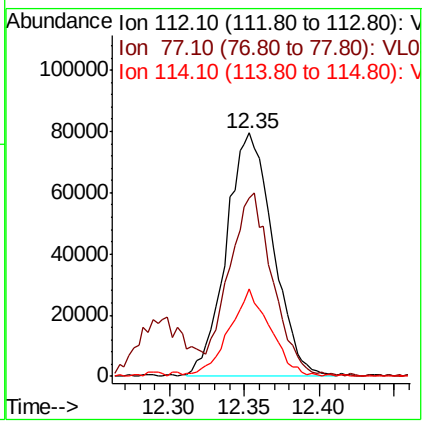


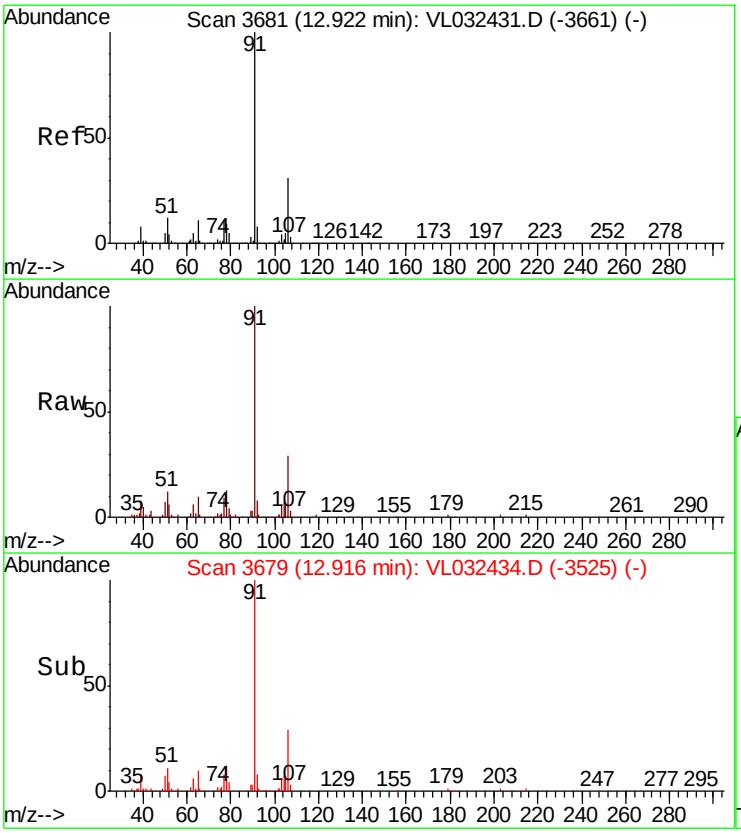

#57
Chlorobenzene
Concen: 0.576 ppbv
RT: 12.35 min Scan# 3504
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:112 Resp: 171525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 72.7 | 56.1 | 84.1 |
| 114 | 37.9 | 27.8 | 34.0# |

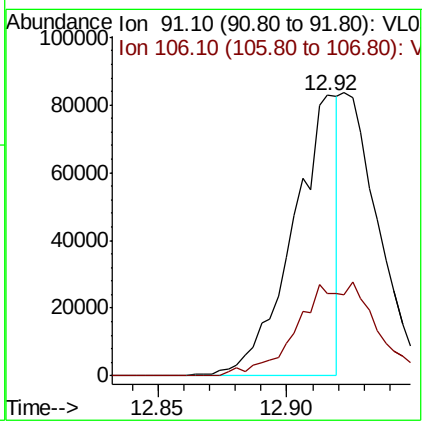


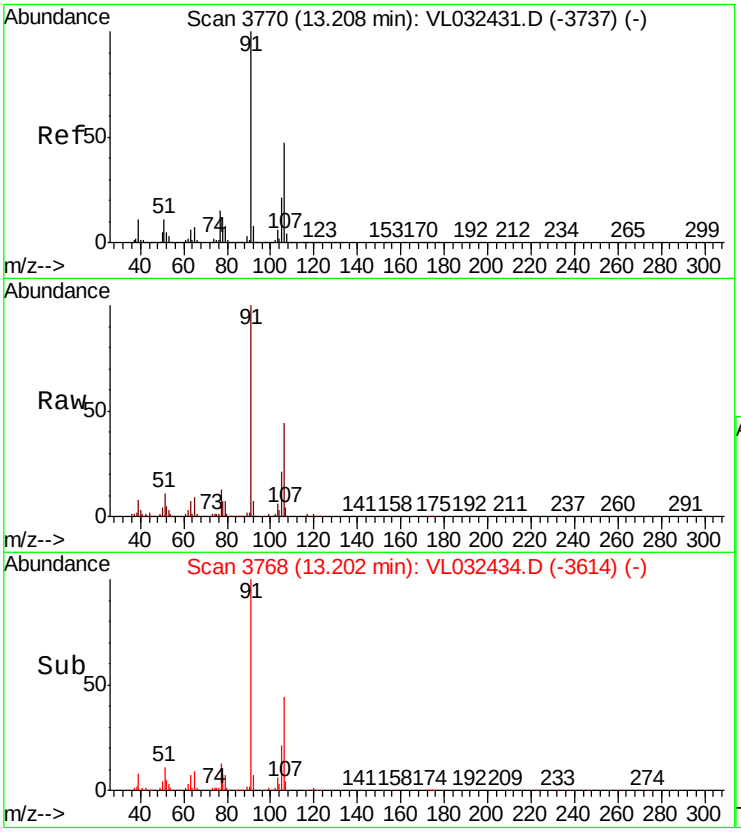




#58
Ethyl Benzene
Concen: 0.226 ppbv
RT: 12.92 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 91 Resp: 100144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 24.8 | 37.2 |



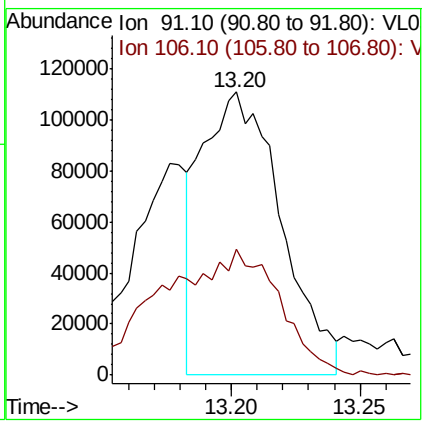


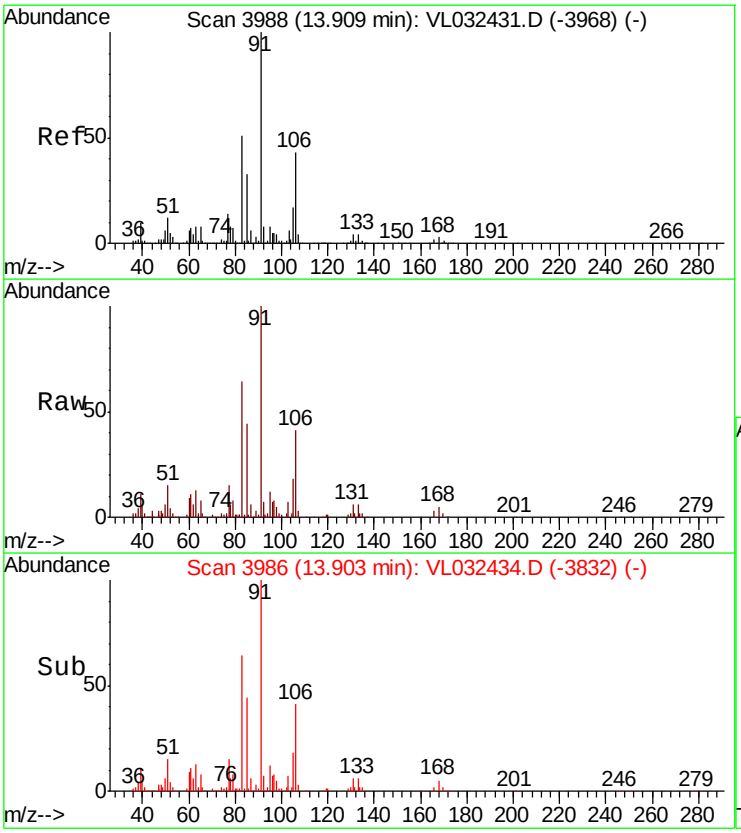

#59
m/p-Xylene
Concen: 0.599 ppbv
RT: 13.20 min Scan# 3768
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 91 Resp: 236711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 67.6 | 35.0 | 52.6# |

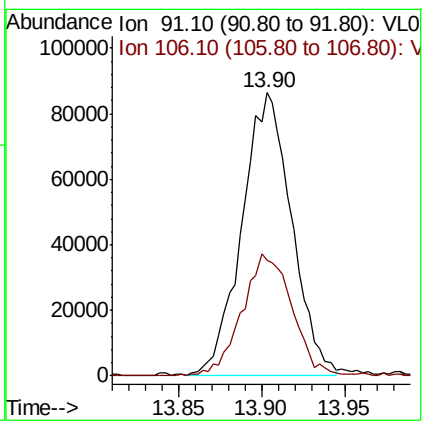


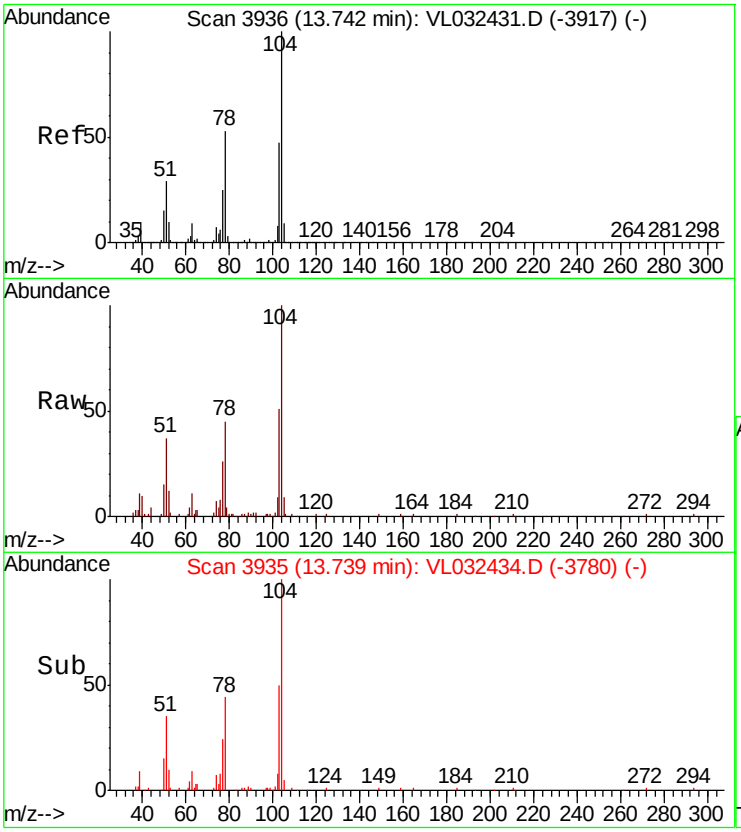




#60
o-Xylene
Concen: 0.471 ppbv
RT: 13.90 min Scan# 3986
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 91 Resp: 178517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 44.1 | 21.9 | 65.7 |



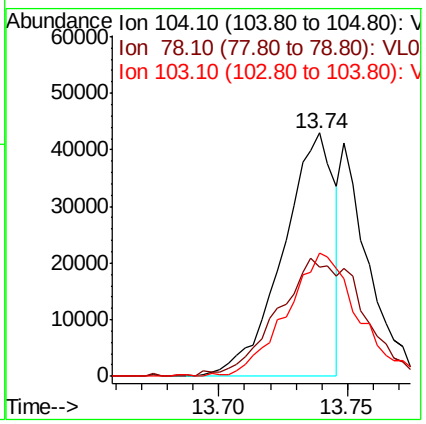


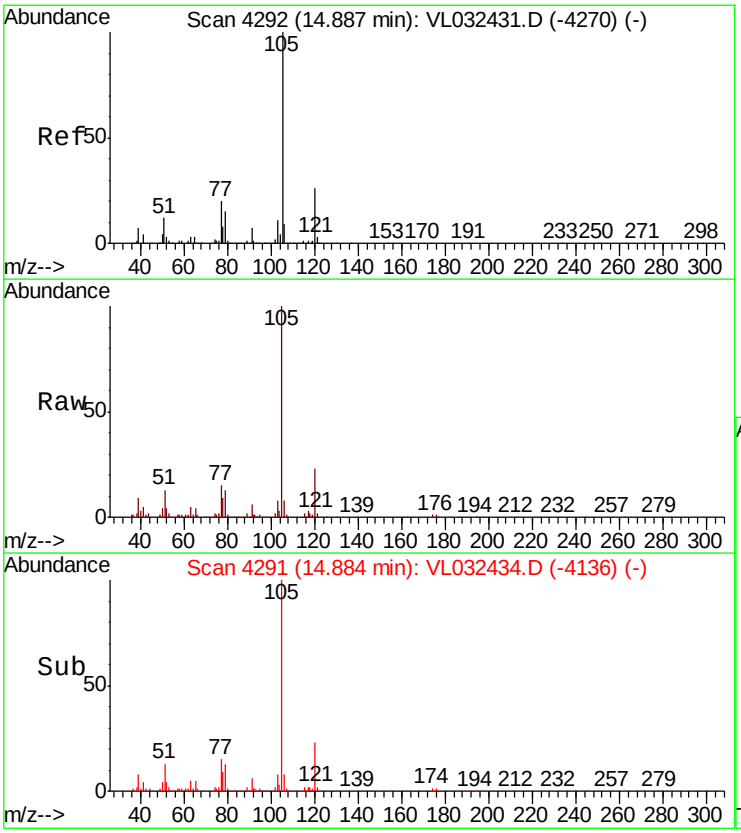

#61
Styrene
Concen: 0.233 ppbv
RT: 13.74 min Scan# 3935
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:104 Resp: 59434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 82.3 | 41.8 | 62.8# |
| 103 | 72.7 | 38.0 | 57.0# |

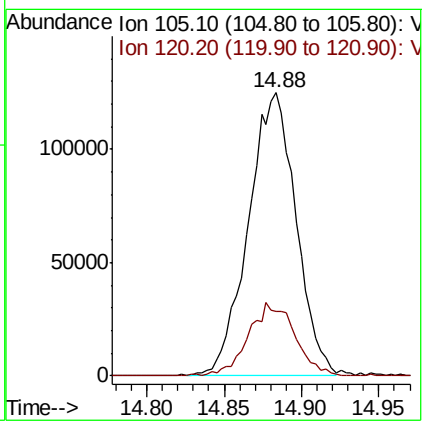


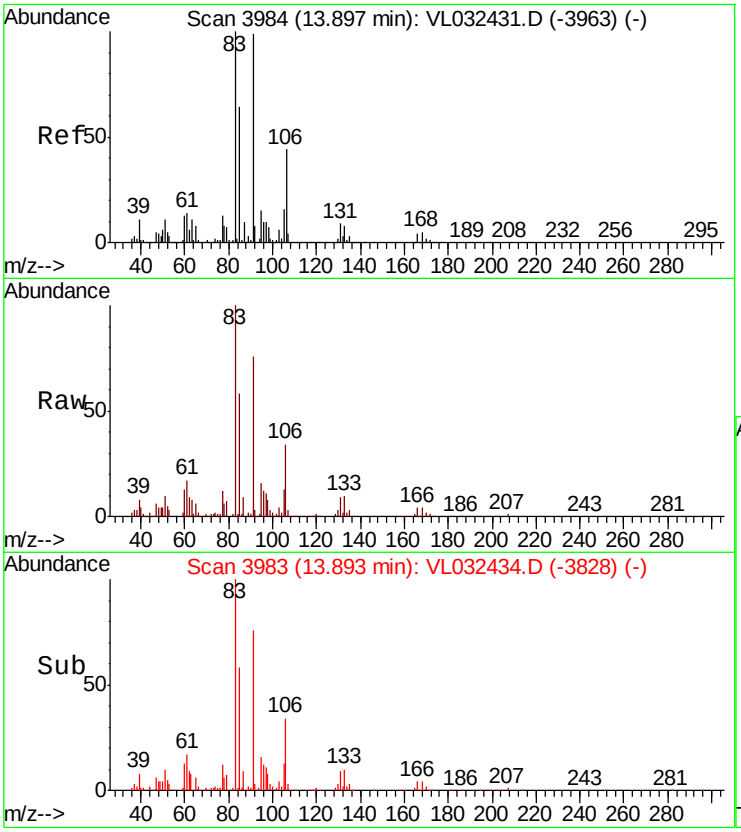




#62
Isopropylbenzene
Concen: 0.497 ppbv
RT: 14.88 min Scan# 4291
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:105 Resp: 266953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 20.6 | 31.0 |



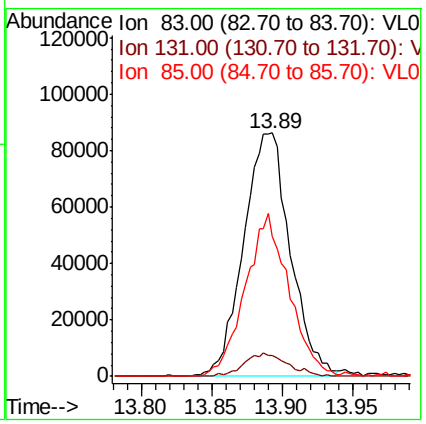


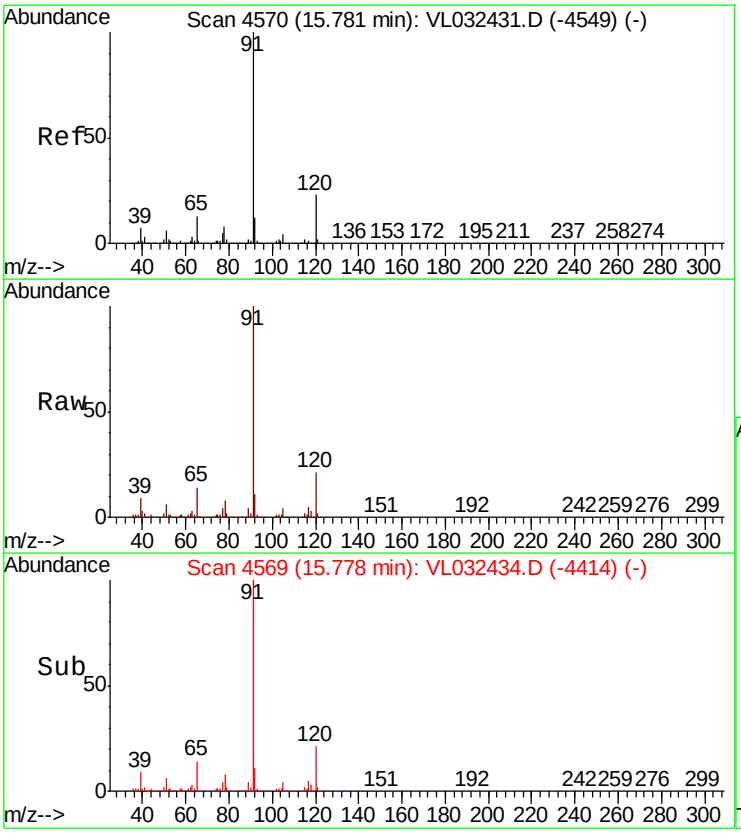

#63
1,1,2,2-Tetrachloroethane
Concen: 0.603 ppbv
RT: 13.89 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion: 83 Resp: 199815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.1 | 4.3 | 12.8 |
| 85 | 62.9 | 32.3 | 96.8 |

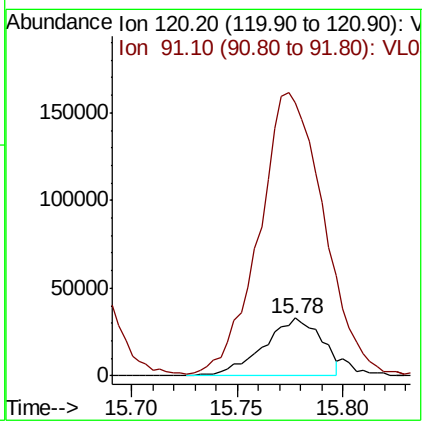


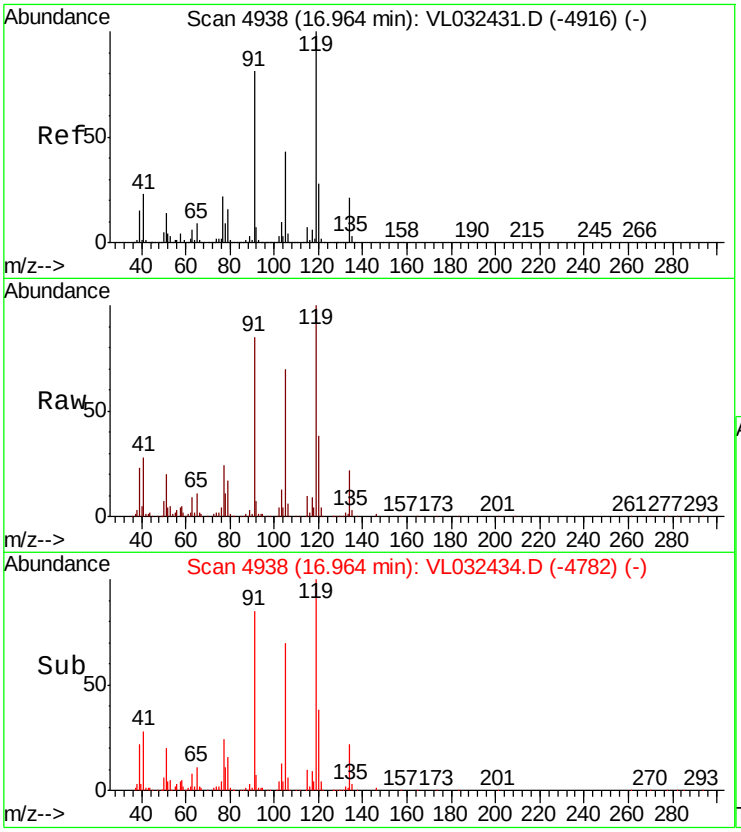




#64
n-propylbenzene
Concen: 0.443 ppbv
RT: 15.78 min Scan# 4569
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:120 Resp: 62162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 562.1 | 381.8 | 572.6 |



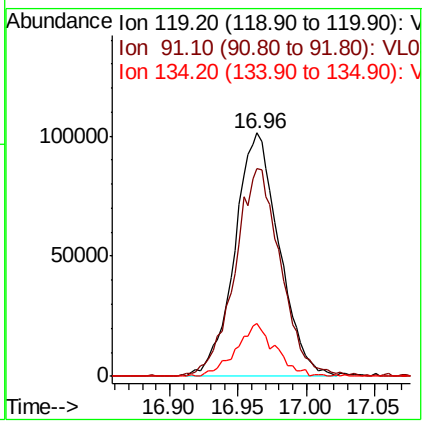


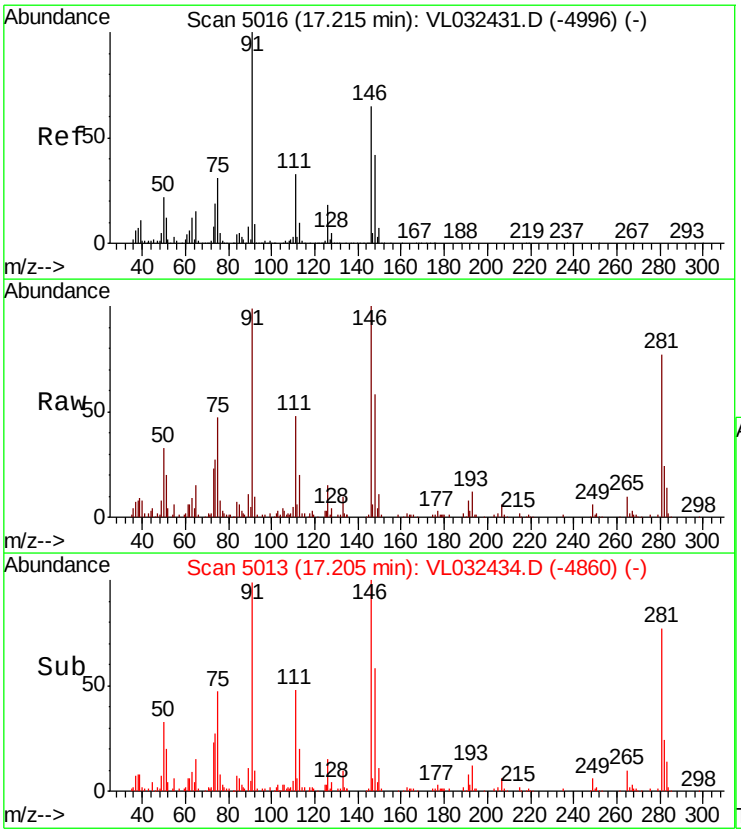

#65
tert-Butylbenzene
Concen: 0.496 ppbv
RT: 16.96 min Scan# 4938
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion:119 Resp: 228638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 88.7 | 66.5 | 99.7 |
| 134 | 19.5 | 16.0 | 24.0 |

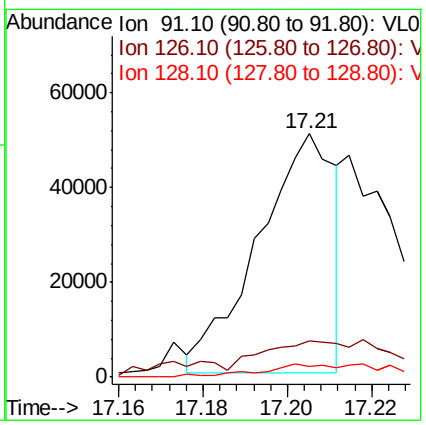


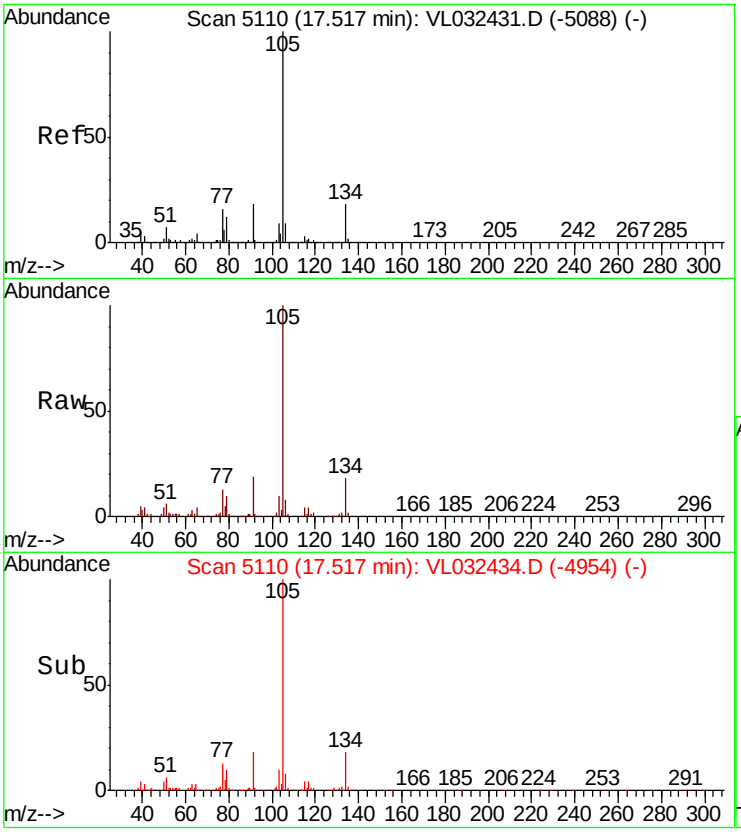




#66
Benzyl Chloride
Concen: 0.222 ppbv
RT: 17.21 min Scan# 5013
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 91 Resp: 63389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 13.8 | 20.8# |
| 128 | 0.0 | 4.4 | 6.6# |



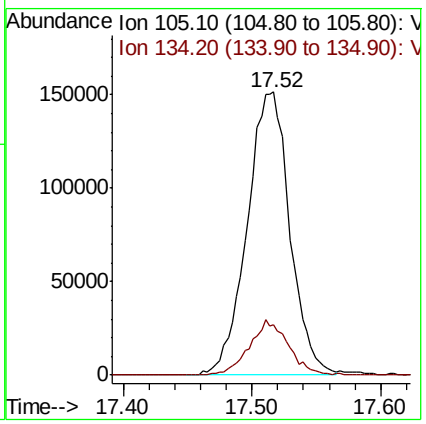


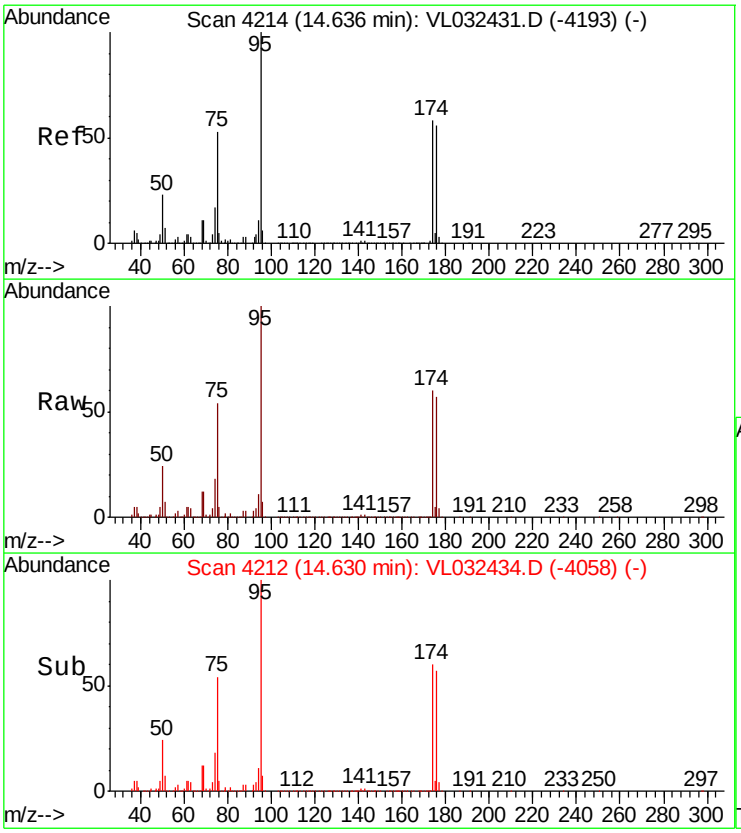

#67
sec-Butylbenzene
Concen: 0.509 ppbv
RT: 17.52 min Scan# 5110
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion:105 Resp: 348993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.8 | 14.4 | 21.6 |

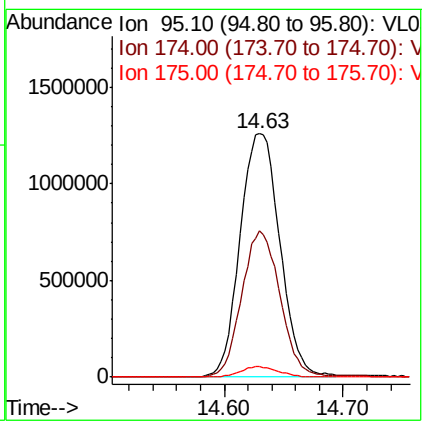


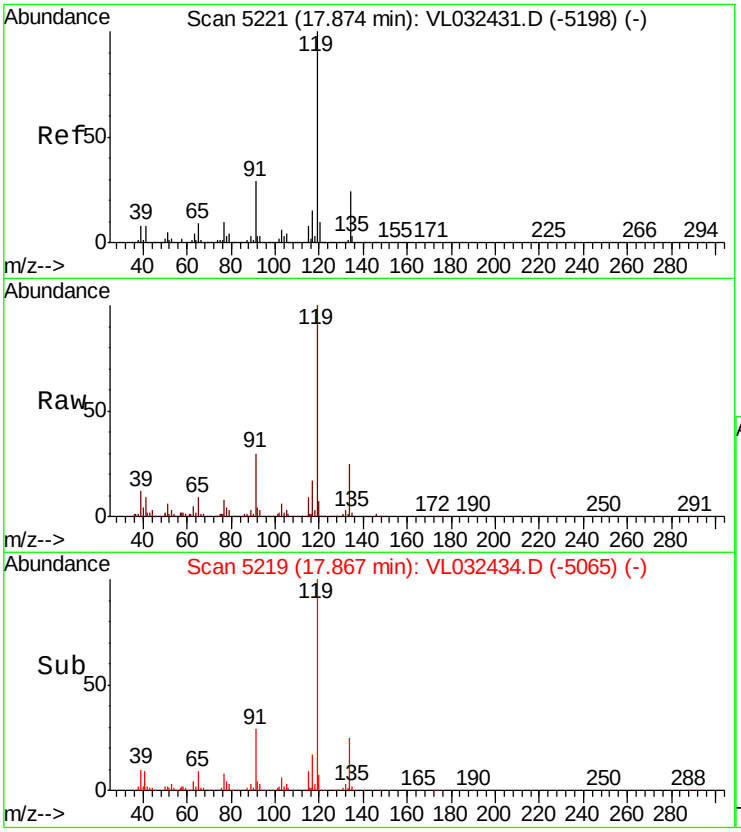




#68
1-Bromo-4-Fluorobenzene
Concen: 10.085 ppbv
RT: 14.63 min Scan# 4212
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 95 Resp: 2922205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 58.5 | 46.3 | 69.5 |
| 175 | 4.2 | 3.4 | 5.0 |



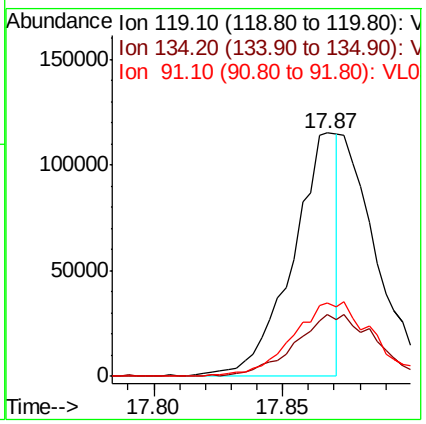


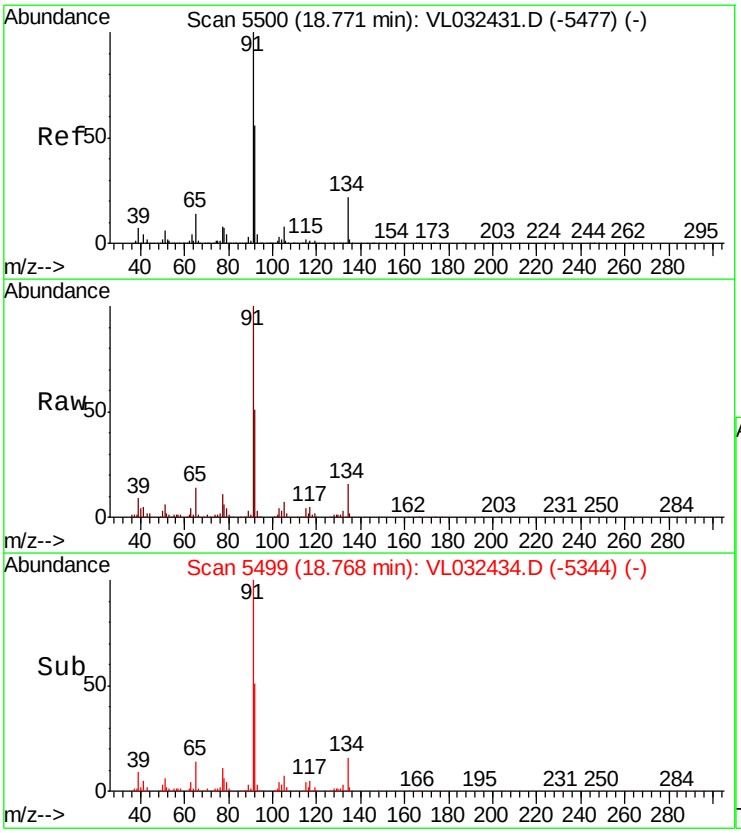

#69
p-Isopropyltoluene
Concen: 0.264 ppbv
RT: 17.87 min Scan# 5219
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:119 Resp: 138996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 45.7 | 20.4 | 30.6# |
| 91 | 56.3 | 23.4 | 35.0# |

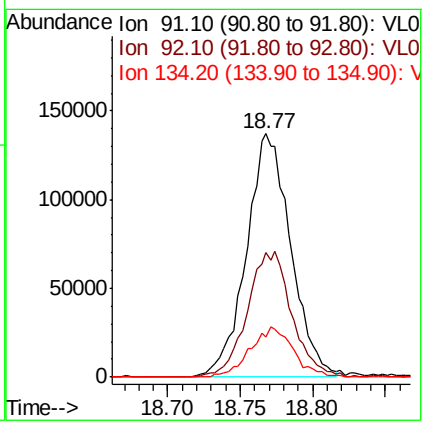


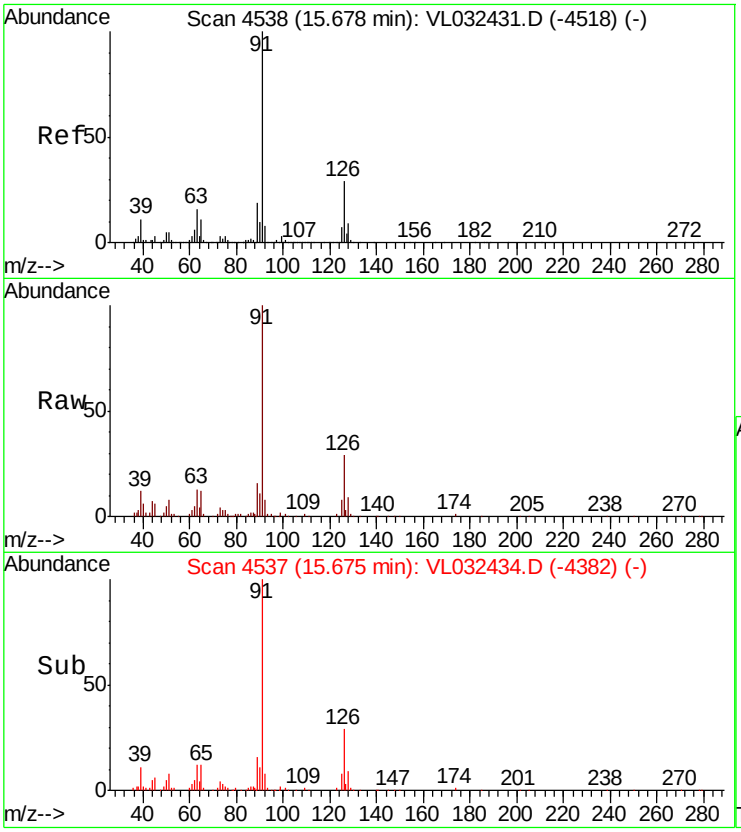




#70
n-Butylbenzene
Concen: 0.497 ppbv
RT: 18.77 min Scan# 5499
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion: 91 Resp: 289645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 43.8 | 65.8 |
| 134 | 20.2 | 17.4 | 26.0 |



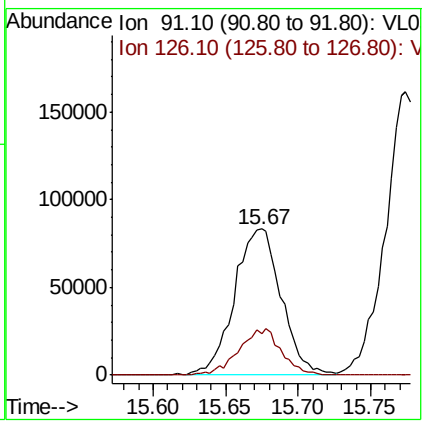


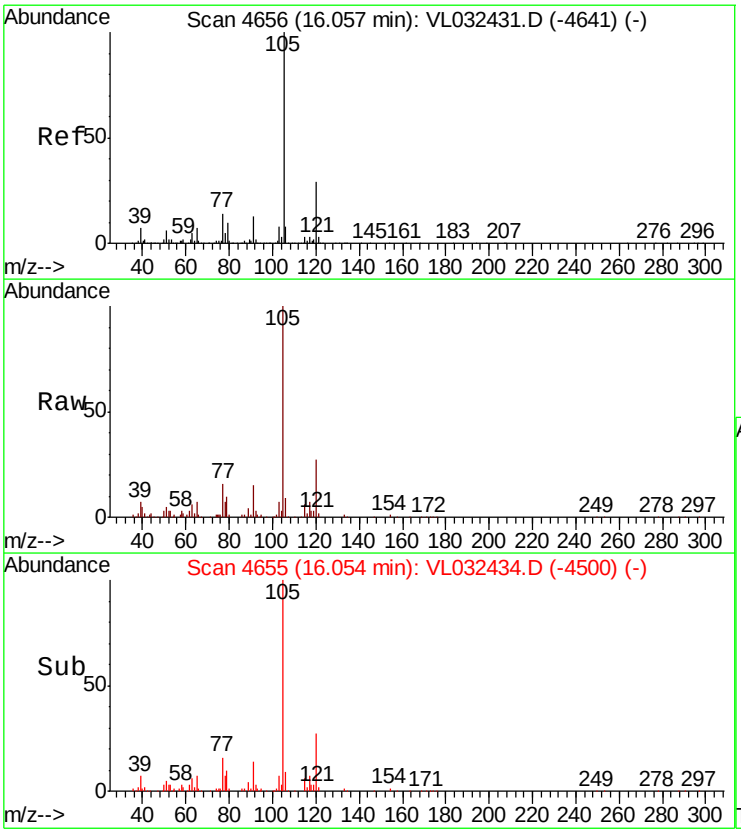

#71
2-Chlorotoluene
Concen: 0.458 ppbv
RT: 15.67 min Scan# 4537
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.5

Tgt Ion: 91 Resp: 187849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.9 | 11.9 | 47.7 |

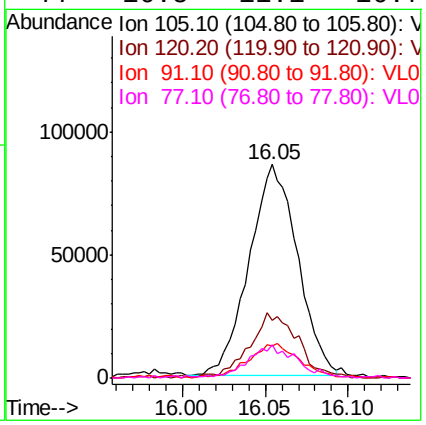


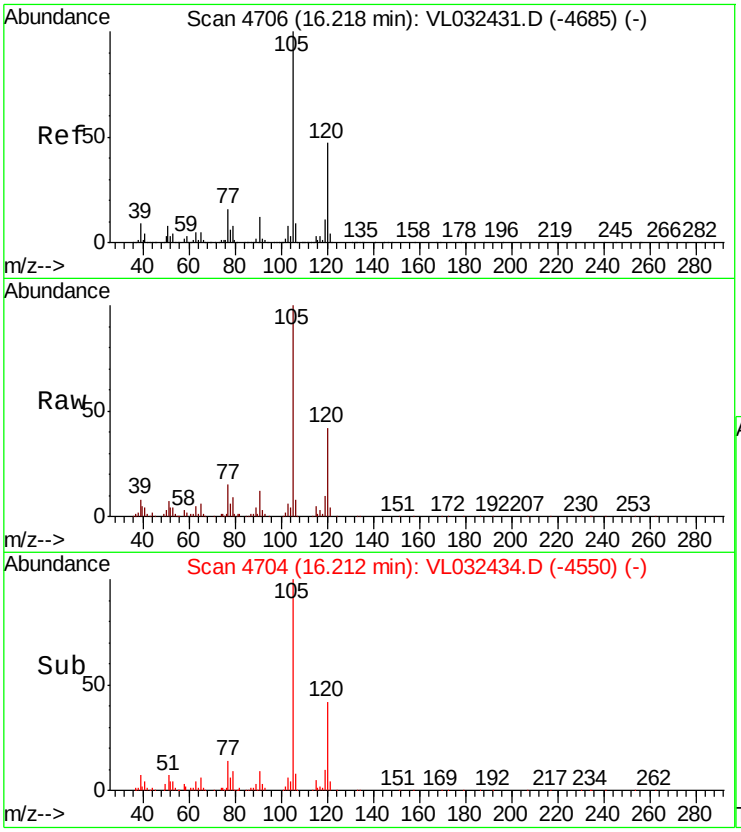




#72
4-Ethyltoluene
Concen: 0.422 ppbv
RT: 16.05 min Scan# 4655
Delta R.T. -0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:105 Resp: 174437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 30.9 | 23.5 | 35.3 |
| 91 | 18.6 | 10.2 | 15.2# |
| 77 | 16.5 | 11.1 | 16.7 |



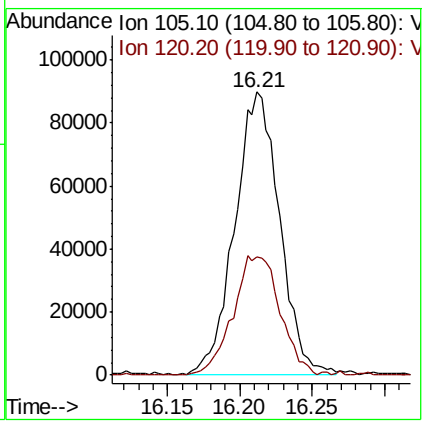


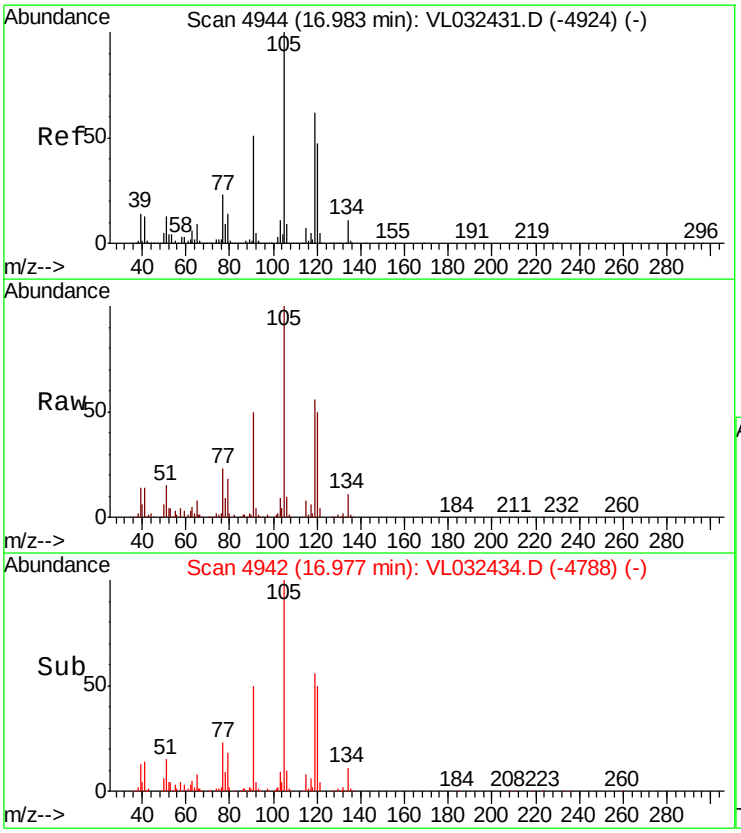

#73
1,3,5-Trimethylbenzene
Concen: 0.489 ppbv
RT: 16.21 min Scan# 4704
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:105 Resp: 193086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.8 | 37.9 | 56.9 |

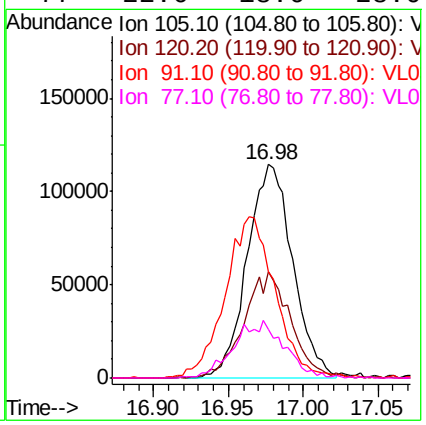


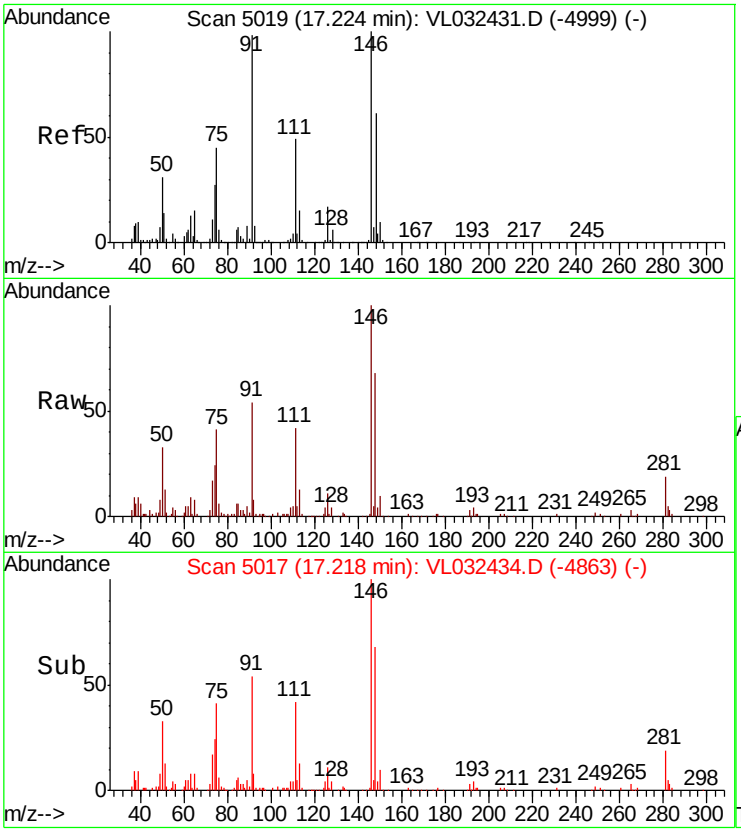




#74
1,2,4-Trimethylbenzene
Concen: 0.568 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:105 Resp: 242114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.6 | 37.8 | 56.8 |
| 91 | 48.7 | 41.4 | 62.0 |
| 77 | 22.6 | 18.6 | 28.0 |



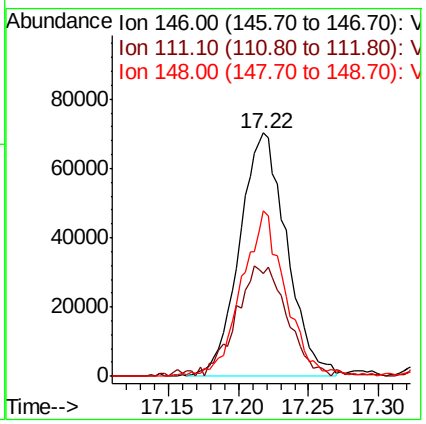


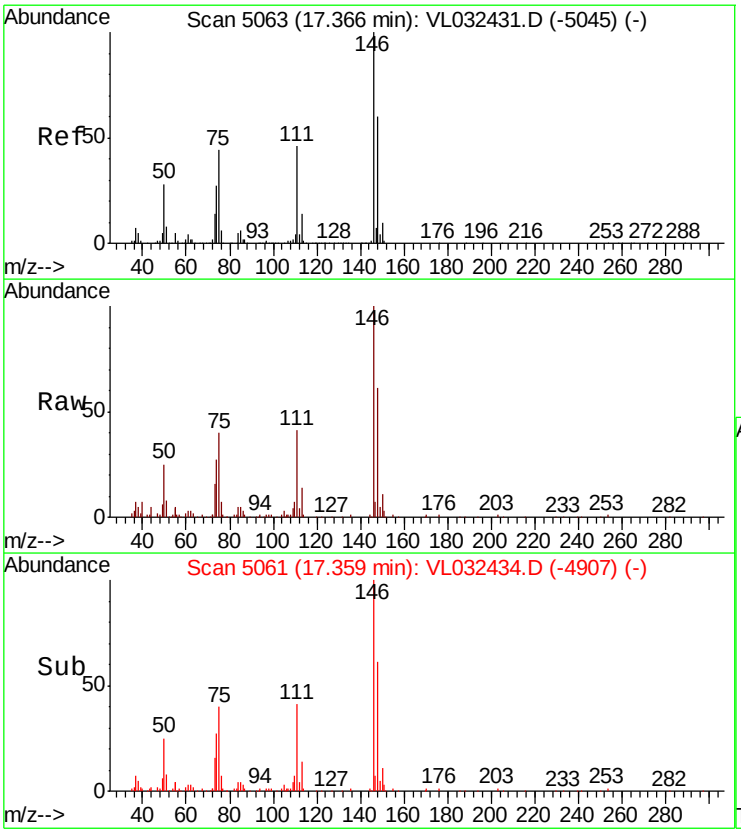

#75
1,3-Dichlorobenzene
Concen: 0.604 ppbv
RT: 17.22 min Scan# 5017
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:146 Resp: 164206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 50.3 | 24.6 | 73.6 |
| 148 | 63.3 | 32.0 | 96.2 |

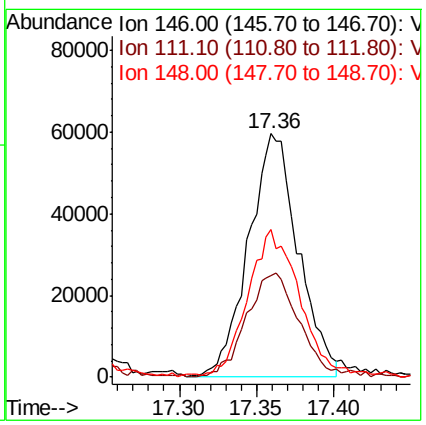


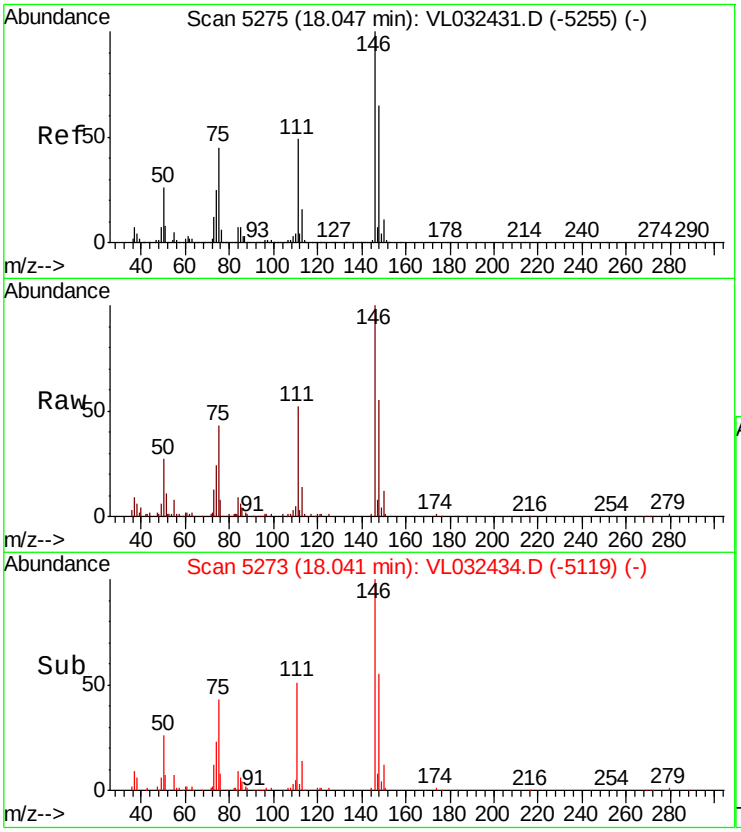




#76
1,4-Dichlorobenzene
Concen: 0.535 ppbv
RT: 17.36 min Scan# 5061
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:146 Resp: 133821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.4 | 23.4 | 70.3 |
| 148 | 64.5 | 31.9 | 95.9 |



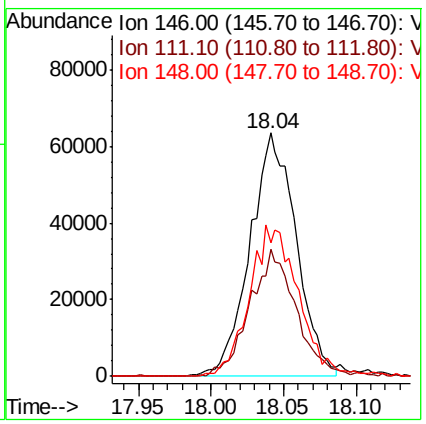


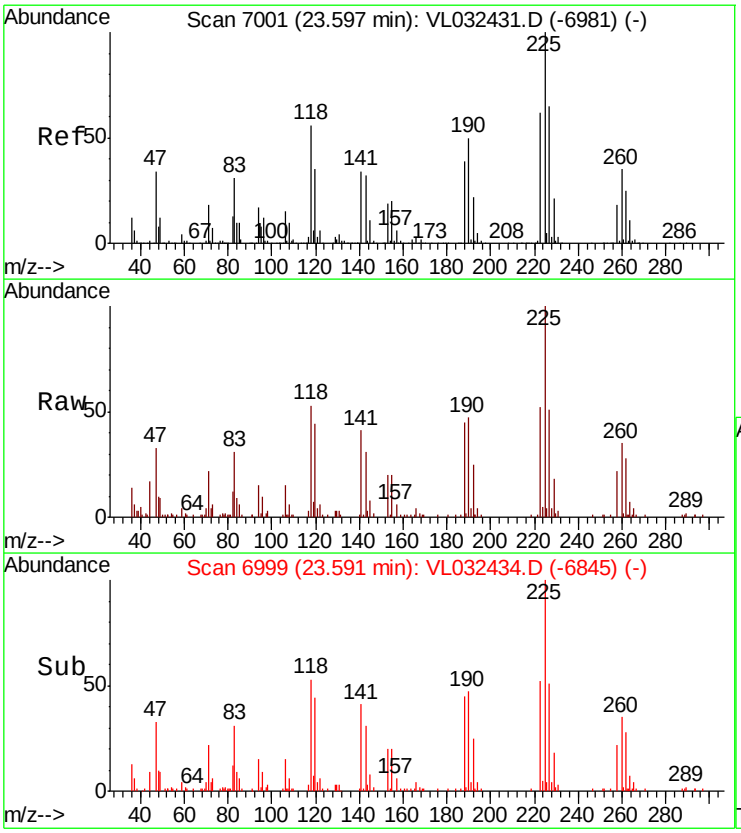

#77
1,2-Dichlorobenzene
Concen: 0.541 ppbv
RT: 18.04 min Scan# 5273
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:146 Resp: 141385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 52.5 | 24.9 | 74.7 |
| 148 | 65.7 | 31.9 | 95.9 |

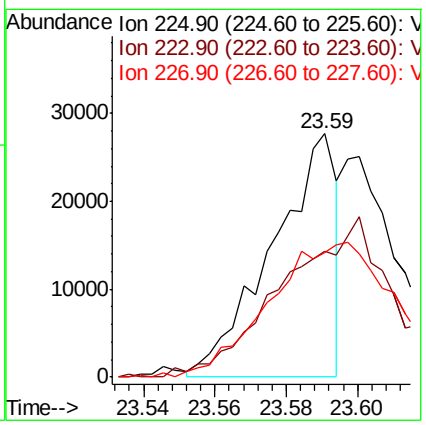


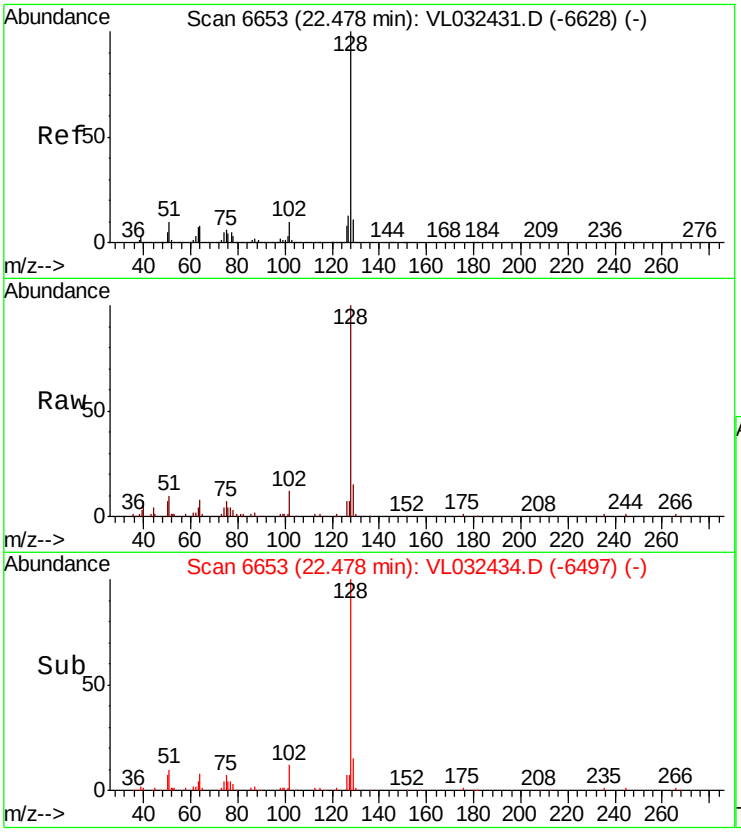




#78
Hexachloro-1,3-Butadiene
Concen: 0.305 ppbv
RT: 23.59 min Scan# 6999
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:225 Resp: 34340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 50.6 | 76.0# |
| 227 | 0.0 | 51.2 | 76.8# |



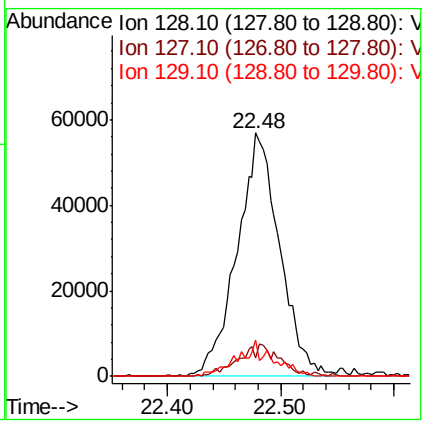


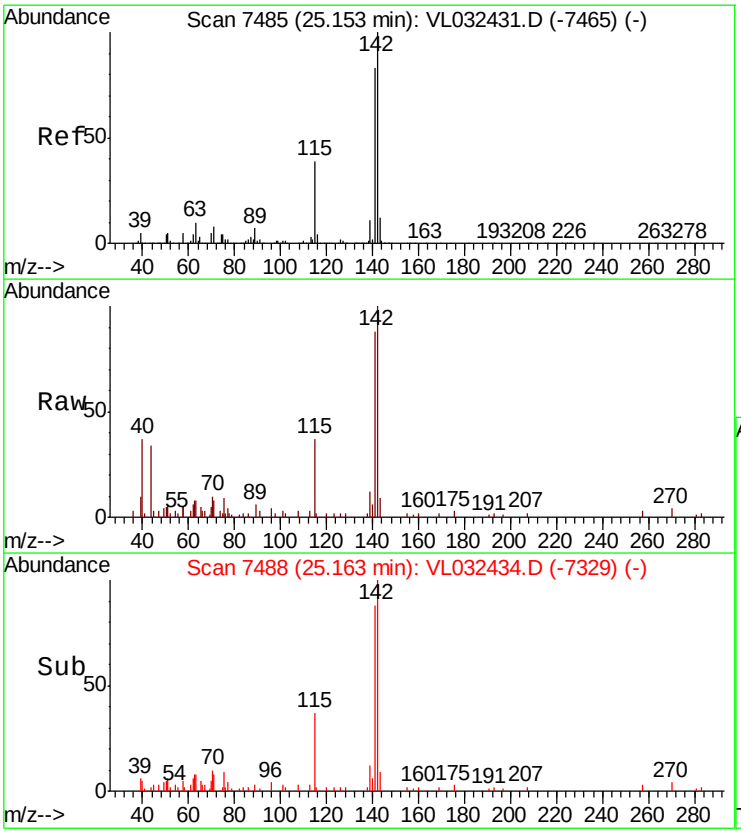

#79
Naphthalene
Concen: 0.524 ppbv
RT: 22.48 min Scan# 6653
Delta R.T. 0.00 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:128 Resp: 148476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 7.3 | 10.2 | 15.2# |
| 129 | 14.9 | 8.5 | 12.7# |

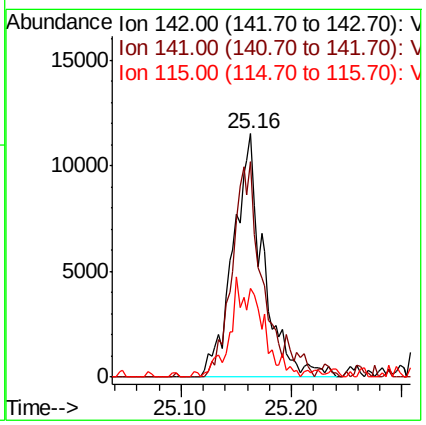


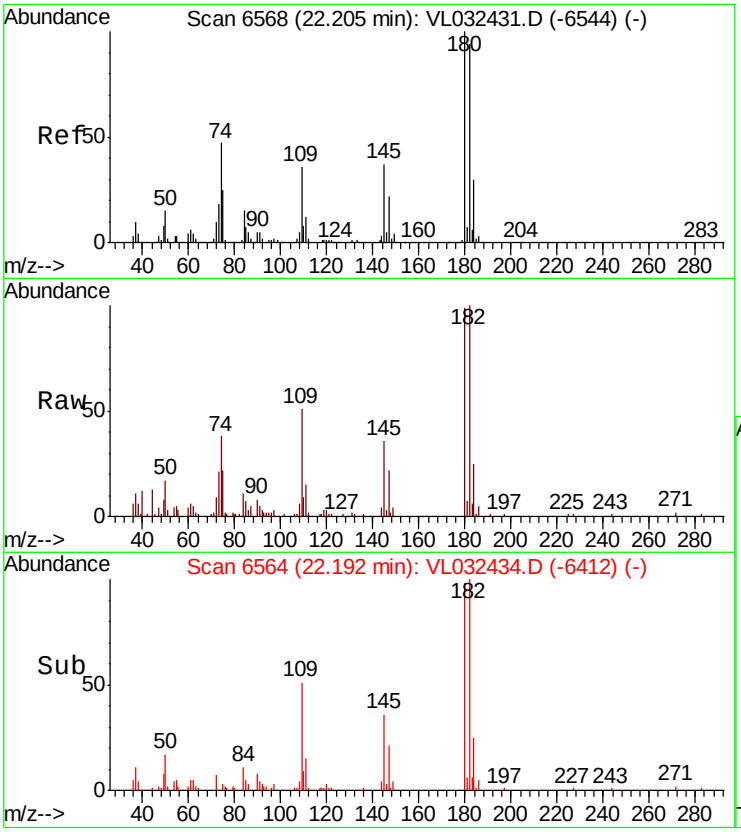




#80
Naphthalene,2-methyl-
Concen: 0.298 ppbv
RT: 25.16 min Scan# 7488
Delta R.T. 0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

Tgt Ion:142 Resp: 22112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 67.0 | 100.6 |
| 115 | 44.5 | 31.2 | 46.8 |






#81
1,2,4-Trichlorobenzene
Concen: 0.219 ppbv
RT: 22.19 min Scan# 6564
Delta R.T. -0.01 min
Lab File: VL032434.D
Acq: 31 Aug 2018 2:28

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.5

Tgt Ion:180 Resp: 33718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 0.0 | 76.2 | 114.2# |
| 184 | 0.0 | 23.9 | 35.9# |