Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033327.D
Acq On : 15 Mar 2019 11:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Quant Time: Mar 15 12:28:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 888185 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.29 | 114 | 2068748 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.24 | 117 | 2277876 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 1635456 | 9.45 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 94.50% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.08 | 85 | 252879 | 1.573 | ppbv | | 95 |
| 3) Chlorodifluoromethane | 3.02 | 51 | 209776 | 2.064 | ppbv | | 99 |
| 4) Chloromethane | 3.17 | 50 | 115370 | 2.088 | ppbv | | 98 |
| 5) Vinyl Chloride | 3.29 | 62 | 108284 | 1.932 | ppbv | | 95 |
| 6) Bromomethane | 3.52 | 94 | 68202 | 2.006 | ppbv | | 100 |
| 7) Chloroethane | 3.60 | 64 | 40894 | 2.034 | ppbv | | 99 |
| 8) Dichlorotetrafluoroethane | 3.22 | 85 | 273992 | 1.999 | ppbv | | 100 |
| 9) Propene | 3.04 | 41 | 95650 | 2.099 | ppbv | | 99 |
| 10) Heptane | 8.25 | 43 | 237130 | 2.061 | ppbv | | 100 |
| 11) Trichlorofluoromethane | 4.01 | 101 | 311242 | 2.038 | ppbv | | 99 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.56 | 101 | 211089 | 2.110 | ppbv | | 98 |
| 13) Ethanol | 3.65 | 45 | 49703 | 3.136 | ppbv | | 99 |
| 14) Bromoethene | 3.79 | 108 | 86663 | 2.048 | ppbv | | 98 |
| 15) Acetone | 3.90 | 43 | 331522 | 2.438 | ppbv | | 98 |
| 16) 1,3-Butadiene | 3.36 | 39 | 94617 | 1.982 | ppbv | | 94 |
| 17) tert-Butyl alcohol | 4.36 | 59 | 15738 | 0.811 | ppbv | # | 74 |
| 18) 1,1-Dichloroethene | 4.35 | 96 | 95105 | 2.147 | ppbv | | 93 |
| 19) Isopropyl Alcohol | 4.03 | 45 | 109898 | 1.611 | ppbv | # | 1 |
| 20) Methylene Chloride | 4.41 | 84 | 96127 | 2.207 | ppbv | | 95 |
| 21) Allyl Chloride | 4.48 | 41 | 136879 | 2.035 | ppbv | | 99 |
| 22) trans-1,2-Dichloroethene | 4.97 | 96 | 93673 | 2.128 | ppbv | | 97 |
| 23) Vinyl Acetate | 5.16 | 43 | 333197 | 2.098 | ppbv | | 98 |
| 24) 1,1-Dichloroethane | 5.09 | 63 | 239196 | 2.114 | ppbv | | 98 |
| 25) Ethyl Acetate | 5.77 | 43 | 419169 | 2.130 | ppbv | | 99 |
| 26) Hexane | 5.79 | 57 | 193744 | 2.151 | ppbv | | 96 |
| 27) Carbon Disulfide | 4.62 | 76 | 210121 | 2.068 | ppbv | | 98 |
| 28) Methyl tert-Butyl Ether | 5.12 | 73 | 278717 | 2.149 | ppbv | | 99 |
| 29) Chloroform | 5.85 | 83 | 302547 | 2.061 | ppbv | | 98 |
| 30) Cyclohexane | 7.25 | 84 | 145157 | 2.036 | ppbv | # | 85 |
| 31) cis-1,2-Dichloroethene | 5.64 | 61 | 183299 | 2.054 | ppbv | | 97 |
| 32) 1,1,1-Trichloroethane | 6.62 | 97 | 297864 | 2.044 | ppbv | | 99 |
| 34) 2-Butanone | 5.33 | 43 | 293687 | 2.238 | ppbv | | 97 |
| 35) Carbon Tetrachloride | 7.14 | 117 | 301459 | 2.019 | ppbv | | 99 |
| 36) Benzene | 7.01 | 78 | 380058 | 2.055 | ppbv | | 98 |
| 37) 1,2-Dichloroethane | 6.42 | 62 | 239254 | 2.075 | ppbv | | 100 |
| 38) Trichloroethene | 7.97 | 130 | 140181 | 1.926 | ppbv | | 97 |
| 39) 1,2-Dichloropropane | 7.74 | 63 | 138822 | 1.973 | ppbv | | 89 |
| 40) 1,4-Dioxane | 7.98 | 88 | 45266 | 1.756 | ppbv | | 77 |
| 41) Tetrahydrofuran | 6.16 | 42 | 147206 | 2.023 | ppbv | | 99 |
| 42) Bromodichloromethane | 7.92 | 83 | 318595 | 2.028 | ppbv | | 95 |
| 43) Methyl Methacrylate | 8.14 | 69 | 147300 | 2.043 | ppbv | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033327.D
Acq On : 15 Mar 2019 11:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Quant Time: Mar 15 12:28:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.99 | 57 | 648542 | 2.091 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 9.42 | 75 | 178027 | 2.016 | ppbv | | 99 |
| 46) cis-1,3-Dichloropropene | 8.84 | 75 | 210339 | 2.027 | ppbv | | 98 |
| 47) 1,1,2-Trichloroethane | 9.62 | 97 | 154947 | 2.047 | ppbv | | 97 |
| 48) Dibromochloromethane | 10.45 | 129 | 258466 | 1.998 | ppbv | | 100 |
| 49) Bromoform | 13.20 | 173 | 241930 | 2.066 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.88 | 43 | 403688 | 2.103 | ppbv | | 98 |
| 51) 2-Hexanone | 10.28 | 43 | 315831 | 2.066 | ppbv | # | 100 |
| 52) Tetrachloroethene | 11.38 | 164 | 155399 | 2.080 | ppbv | | 95 |
| 53) Toluene | 9.95 | 91 | 431810 | 2.047 | ppbv | | 99 |
| 54) 1,2-Dibromoethane | 10.76 | 107 | 261656 | 2.121 | ppbv | | 98 |
| 56) 1,1,1,2-Tetrachloroethane | 12.28 | 131 | 212918 | 2.083 | ppbv | # | 1 |
| 57) Chlorobenzene | 12.30 | 112 | 368182 | 2.035 | ppbv | | 95 |
| 58) Ethyl Benzene | 12.87 | 91 | 671012 | 2.082 | ppbv | | 97 |
| 59) m/p-Xylene | 13.12 | 91 | 593238 | 2.161 | ppbv | # | 100 |
| 60) o-Xylene | 13.85 | 91 | 567510 | 2.110 | ppbv | | 100 |
| 61) Styrene | 13.69 | 104 | 398903 | 2.124 | ppbv | | 99 |
| 62) Isopropylbenzene | 14.83 | 105 | 779148 | 2.096 | ppbv | | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 13.84 | 83 | 396828 | 1.952 | ppbv | | 100 |
| 64) n-propylbenzene | 15.72 | 120 | 199821 | 2.130 | ppbv | | 98 |
| 65) tert-Butylbenzene | 16.91 | 119 | 724028 | 2.114 | ppbv | | 99 |
| 66) Benzyl Chloride | 17.16 | 91 | 273386 | 1.956 | ppbv | | 99 |
| 67) sec-Butylbenzene | 17.46 | 105 | 1004563 | 2.052 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.82 | 119 | 835823 | 2.098 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.72 | 91 | 888630 | 2.088 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 15.62 | 91 | 611525 | 2.066 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 16.00 | 105 | 647889 | 2.111 | ppbv | | 100 |
| 73) 1,3,5-Trimethylbenzene | 16.16 | 105 | 635126 | 2.090 | ppbv | | 94 |
| 74) 1,2,4-Trimethylbenzene | 16.93 | 105 | 669687 | 2.094 | ppbv | | 97 |
| 75) 1,3-Dichlorobenzene | 17.17 | 146 | 385207 | 2.071 | ppbv | | 98 |
| 76) 1,4-Dichlorobenzene | 17.31 | 146 | 378361 | 2.065 | ppbv | | 98 |
| 77) 1,2-Dichlorobenzene | 17.99 | 146 | 368017 | 2.044 | ppbv | | 99 |
| 78) Hexachloro-1,3-Butadiene | 23.55 | 225 | 220765 | 2.038 | ppbv | | 99 |
| 79) Naphthalene | 22.42 | 128 | 668569 | 2.140 | ppbv | | 98 |
| 80) Naphthalene,2-methyl- | 25.12 | 142 | 353057 | 2.344 | ppbv | | 97 |
| 81) 1,2,4-Trichlorobenzene | 22.14 | 180 | 343421 | 2.120 | ppbv | | 99 |

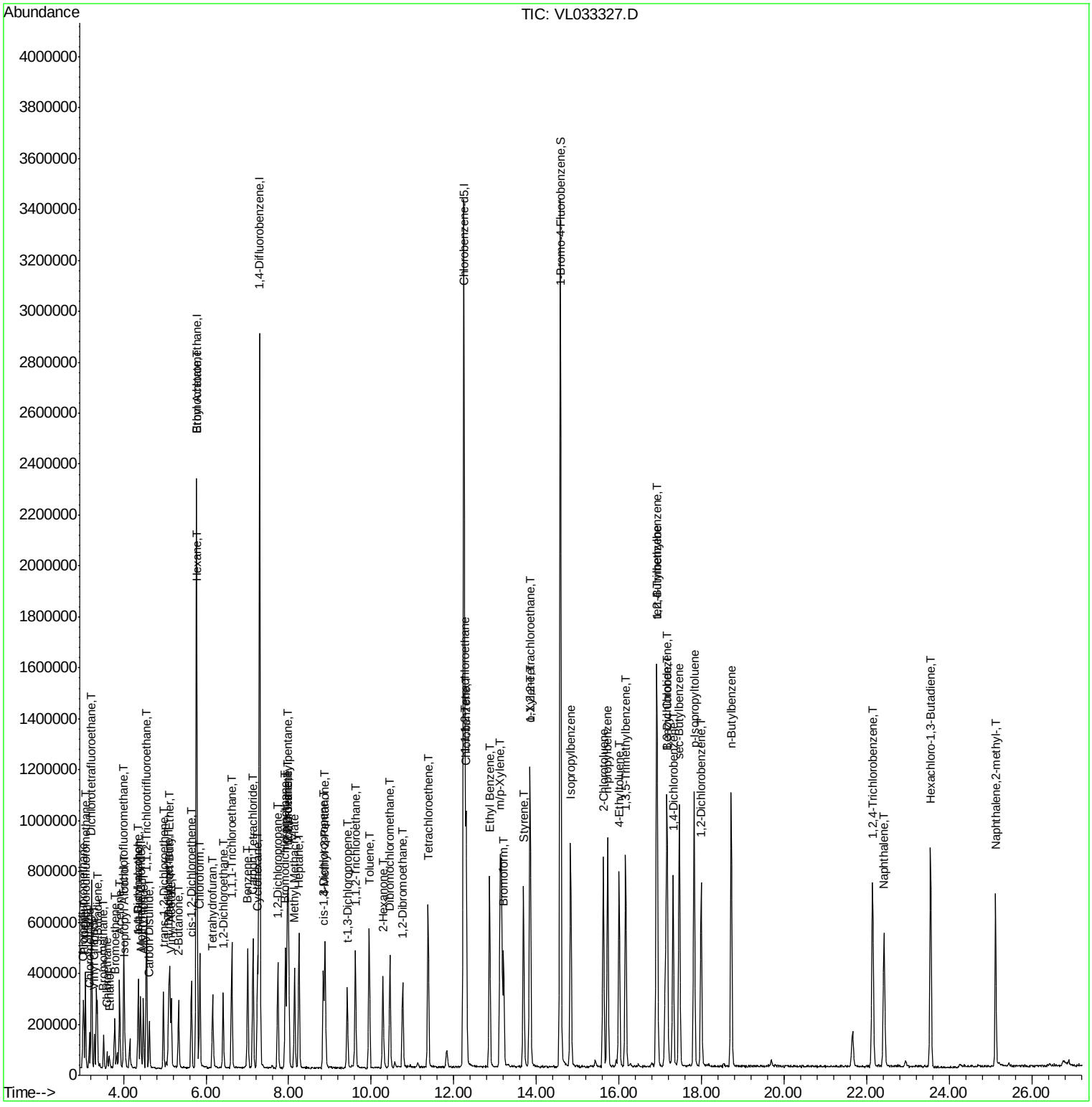
(#) = qualifier out of range (m) = manual integration (+) = signals summed

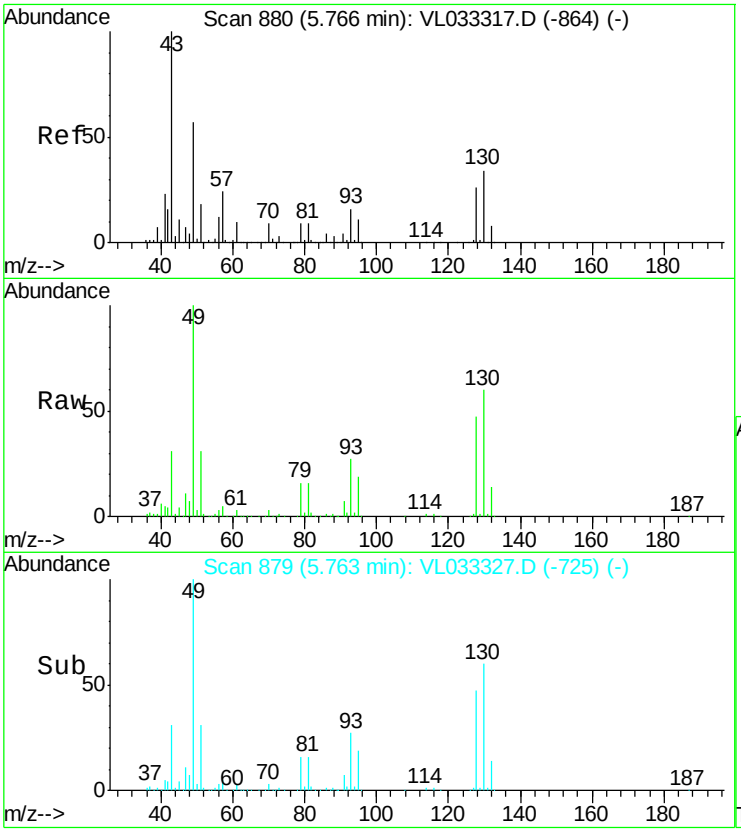
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033327.D
Acq On : 15 Mar 2019 11:06
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Quant Time: Mar 15 12:28:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 12:24:28 2019
QLast Update : Fri Mar 15 12:24:28 2019
Response via : Initial Calibration



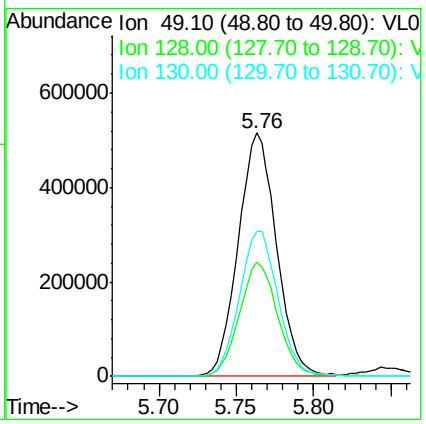


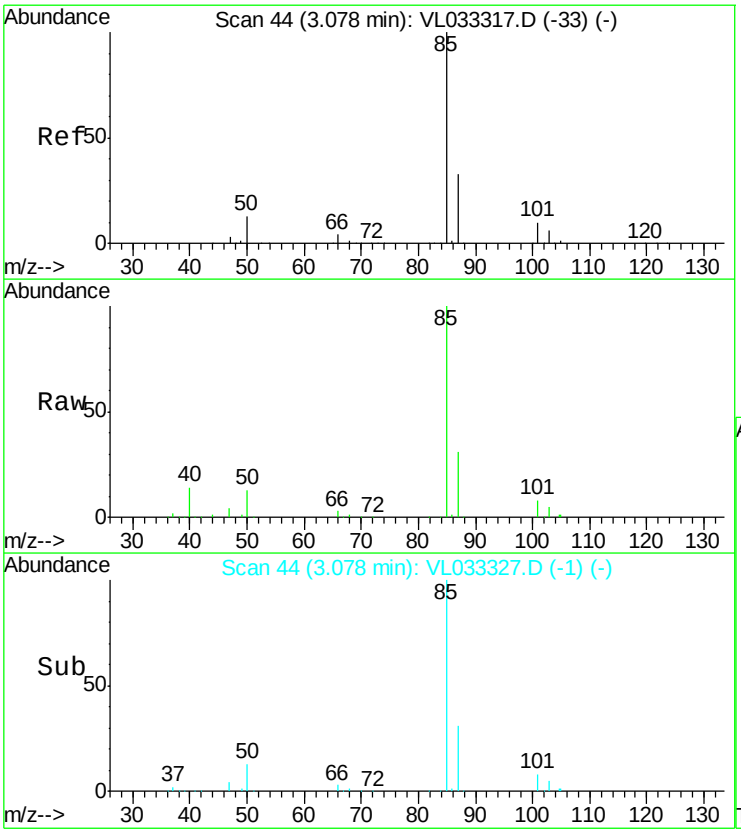

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 49 Resp: 888185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 46.8 | 23.5 | 70.6 |
| 130 | 60.7 | 30.1 | 90.3 |

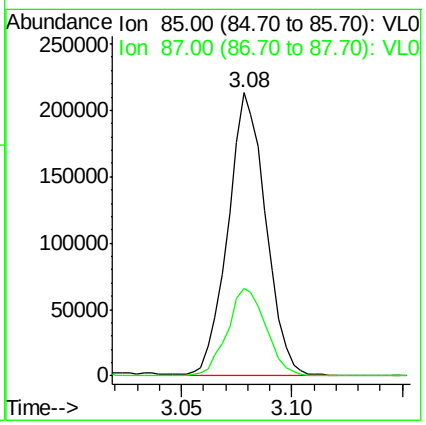


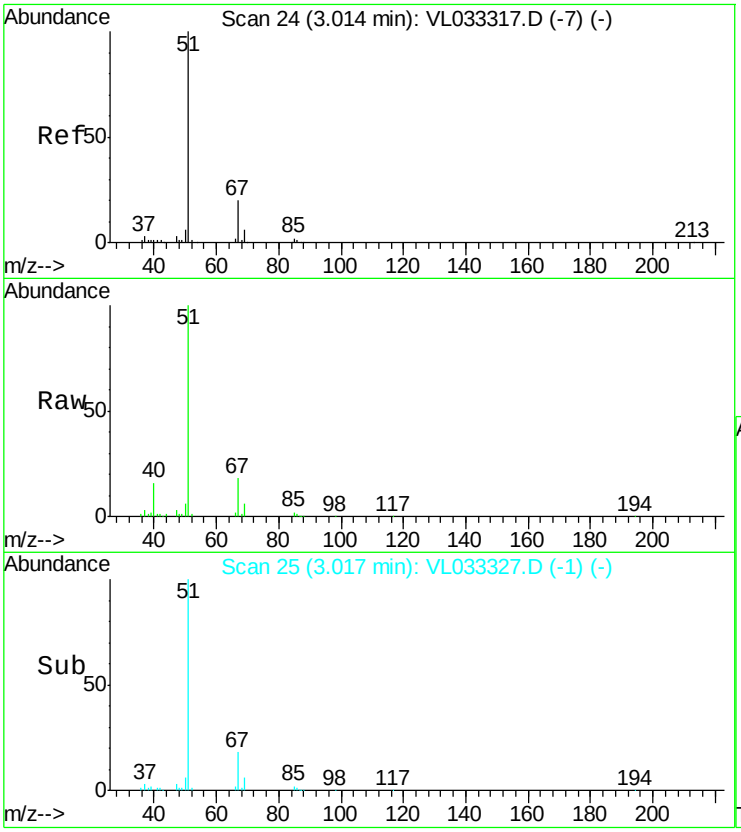




#2
Dichlorodifluoromethane
Concen: 1.573 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 85 Resp: 252879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.9 | 26.9 | 40.3 |



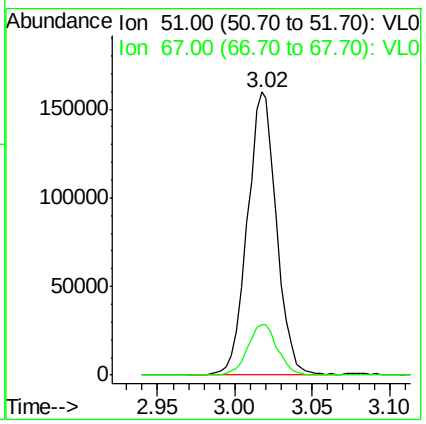


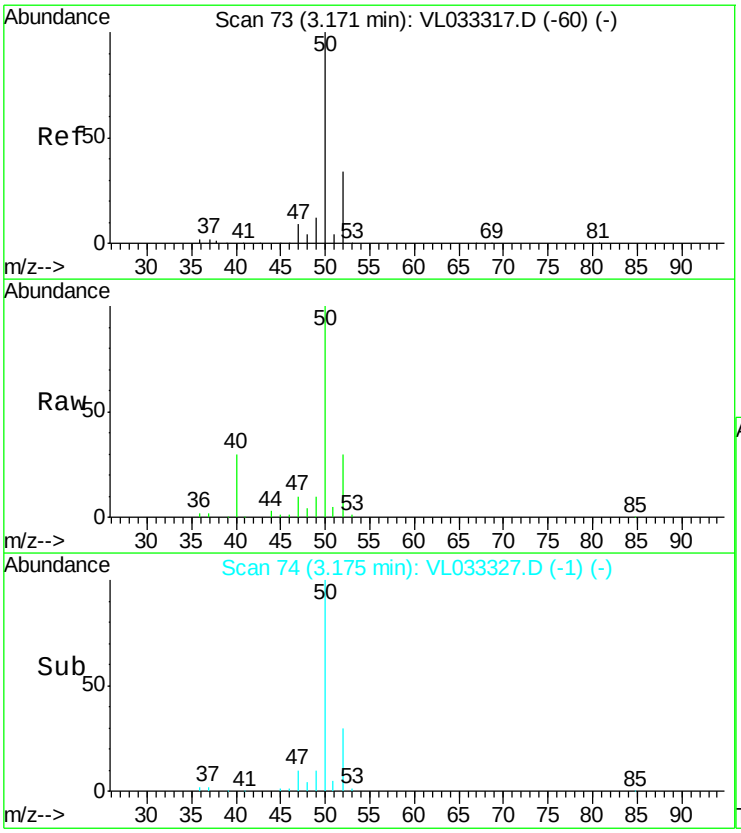

#3
Chlorodifluoromethane
Concen: 2.064 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 51 Resp: 209776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 18.3 | 14.9 | 22.3 |

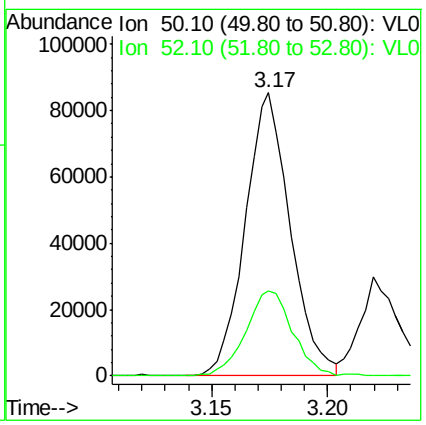


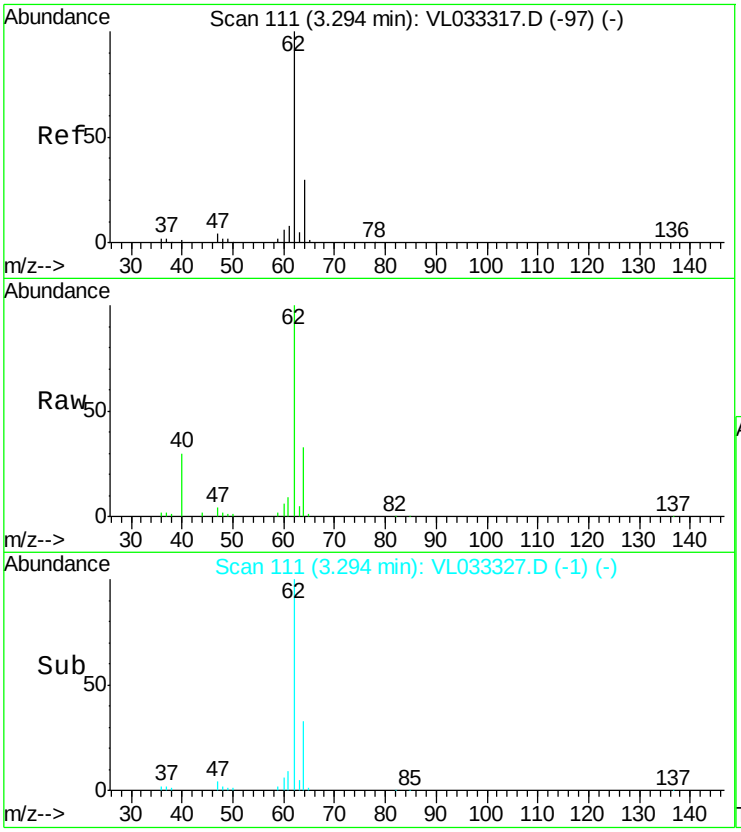




#4
Chloromethane
Concen: 2.088 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 50 Resp: 115370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.1 | 25.0 | 37.6 |



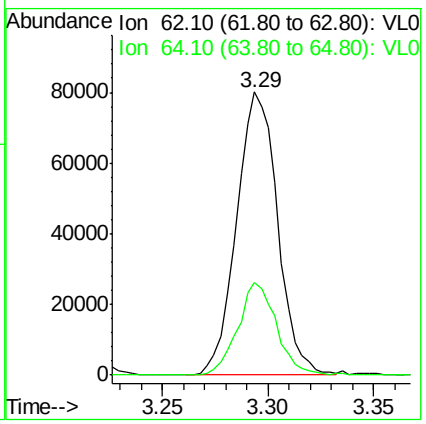


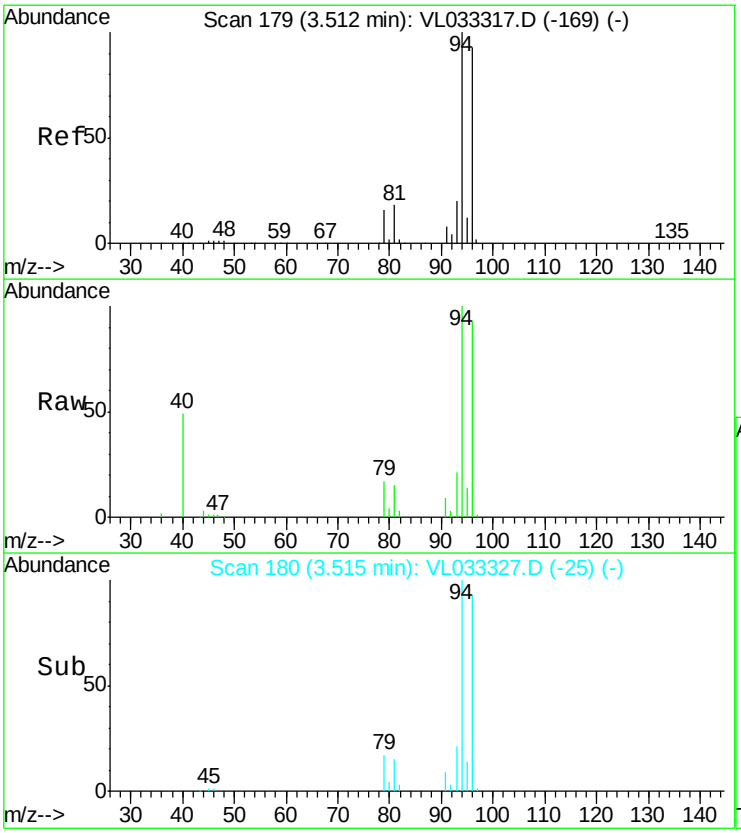

#5
Vinyl Chloride
Concen: 1.932 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 62 Resp: 108284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.9 | 25.0 | 37.6 |

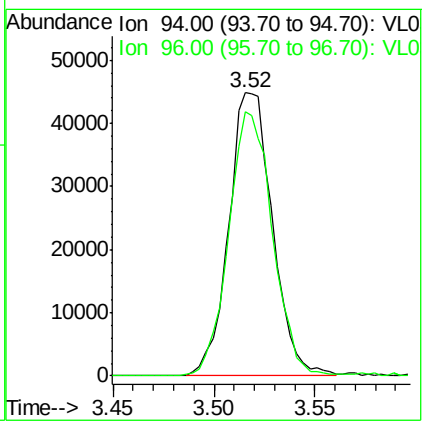


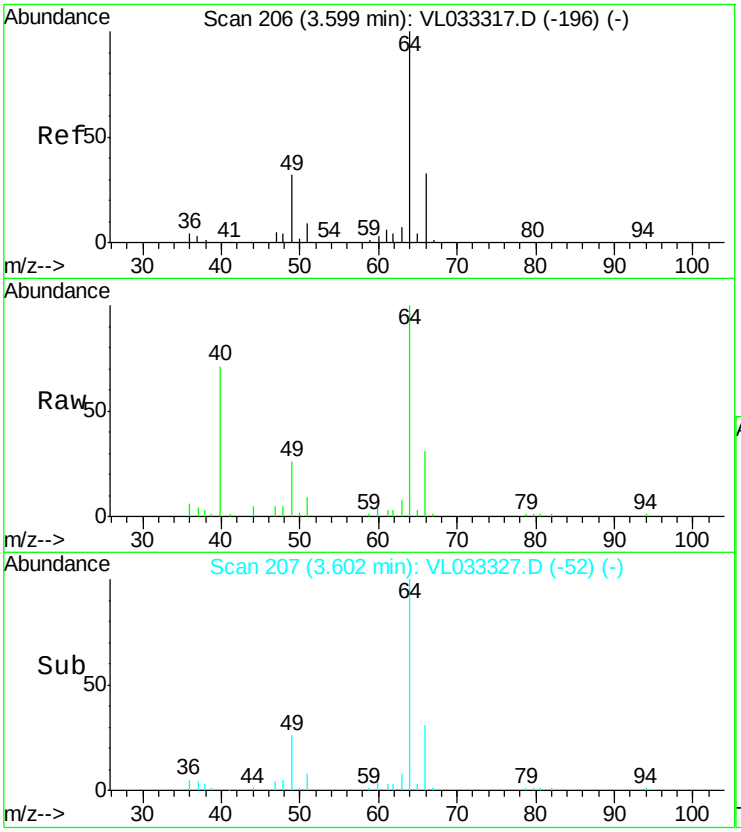




#6
Bromomethane
Concen: 2.006 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 94 Resp: 68202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.9 | 74.6 | 111.8 |



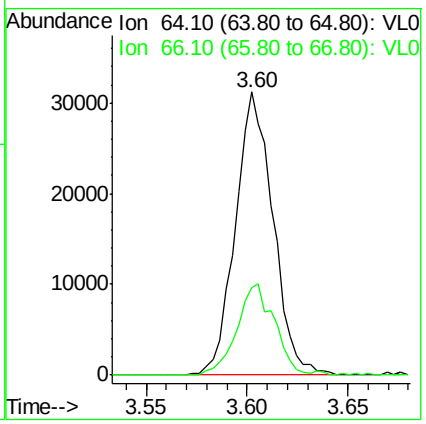


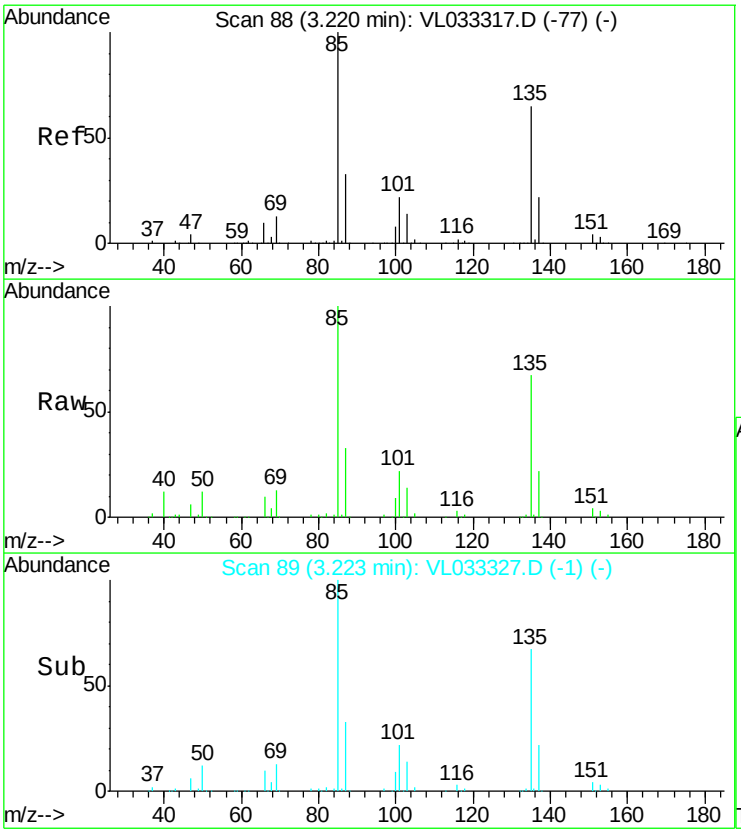

#7
Chloroethane
Concen: 2.034 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 64 Resp: 40894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.7 | 24.0 | 36.0 |

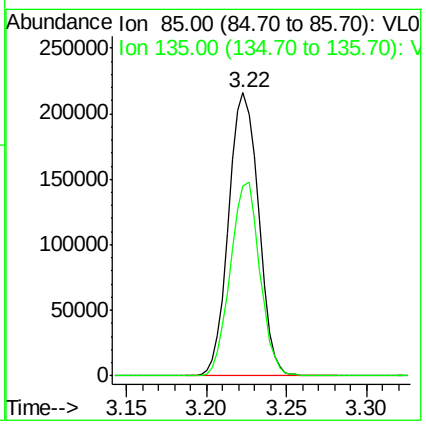


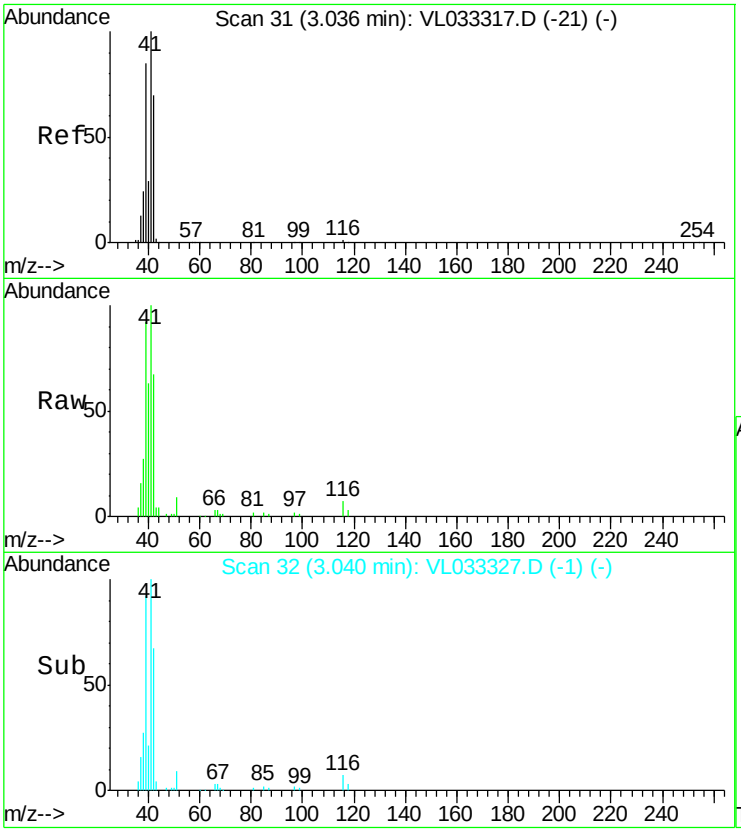




#8
Dichlorotetrafluoroethane
Concen: 1.999 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 85 Resp: 273992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 66.9 | 53.4 | 80.2 |



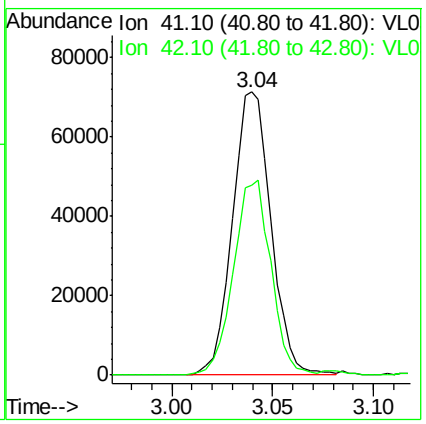


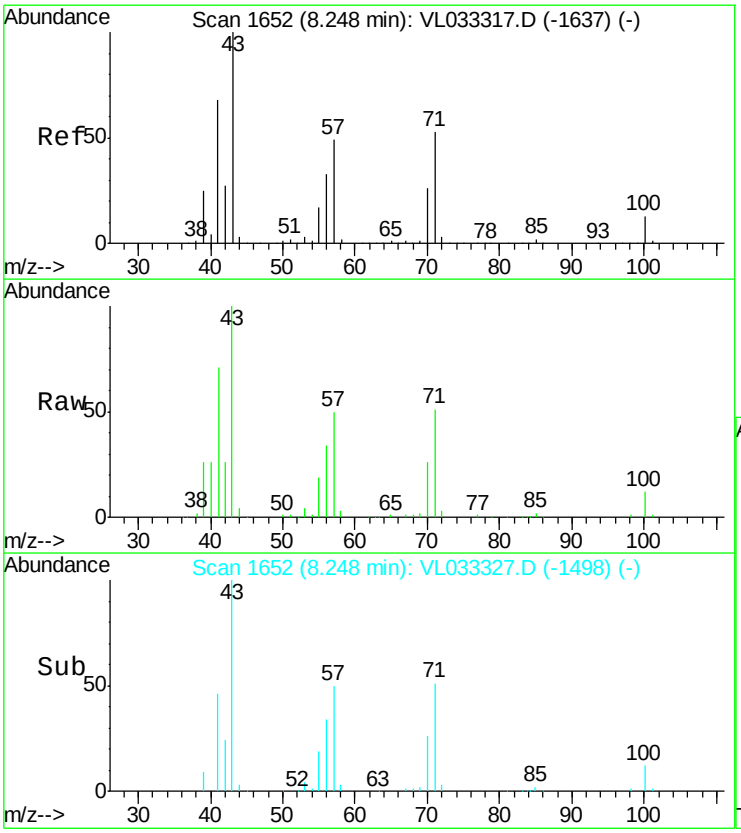

#9
Propene
Concen: 2.099 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 41 Resp: 95650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 67.9 | 55.2 | 82.8 |

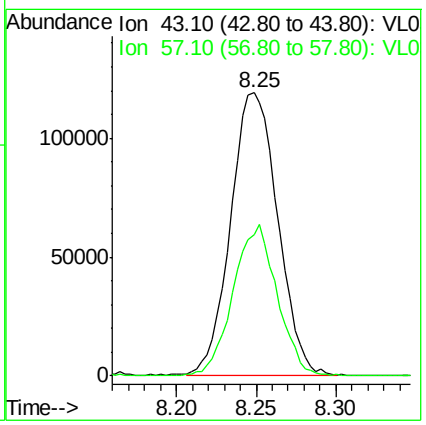


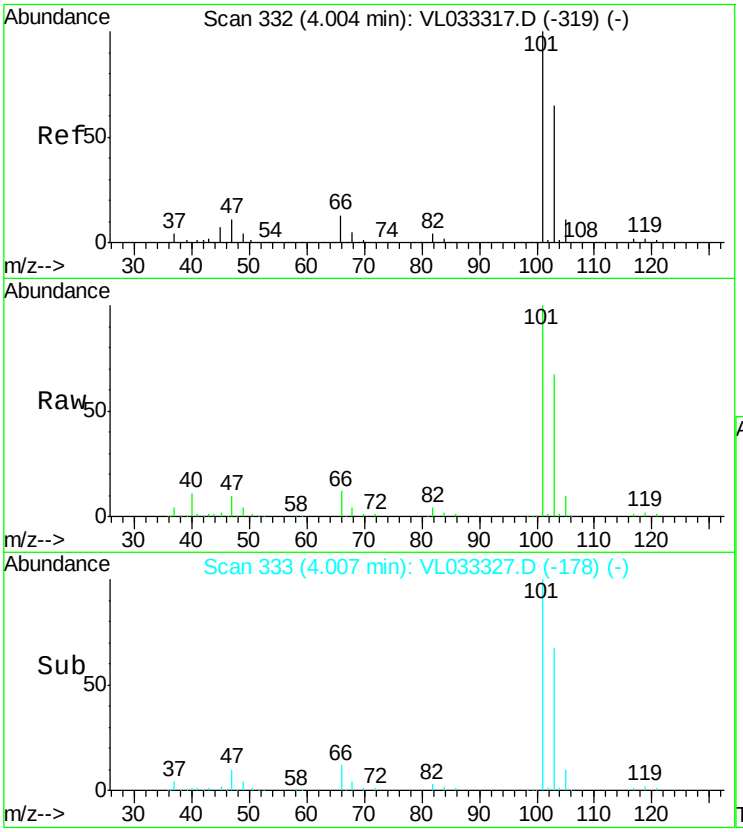




#10
Heptane
Concen: 2.061 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 43 Resp: 237130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 50.4 | 40.4 | 60.6 |



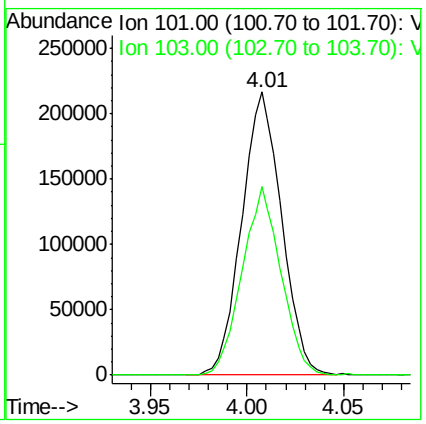


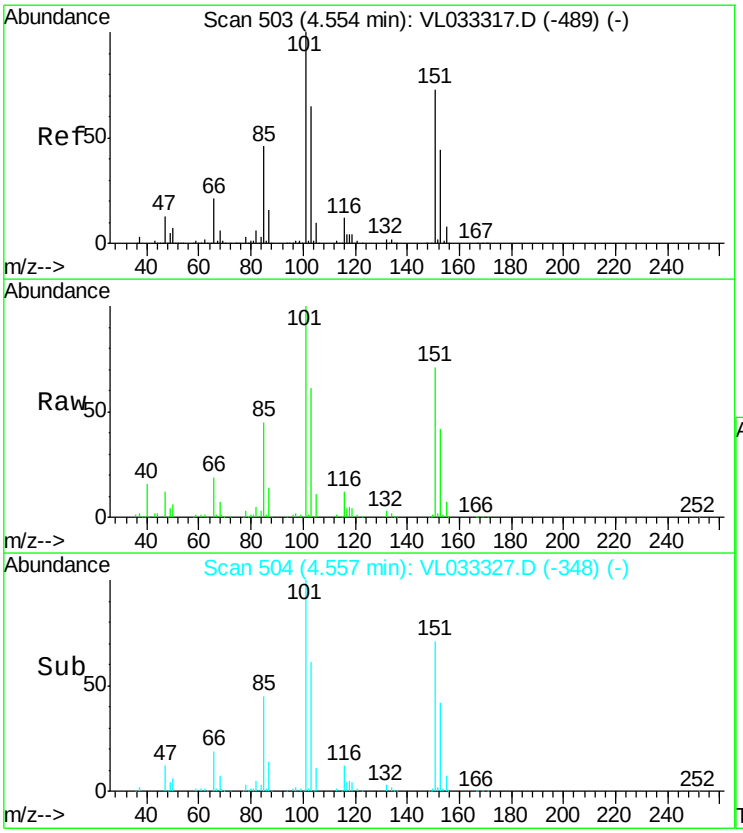

#11
Trichlorofluoromethane
Concen: 2.038 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:101 Resp: 311242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.9 | 52.9 | 79.3 |

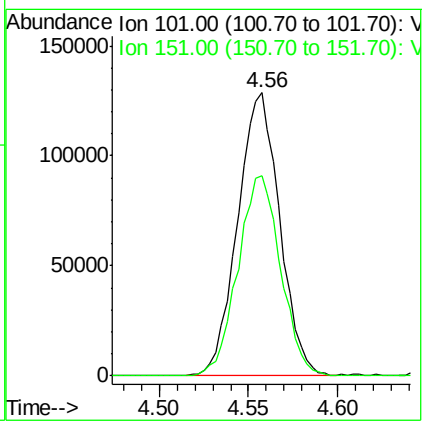


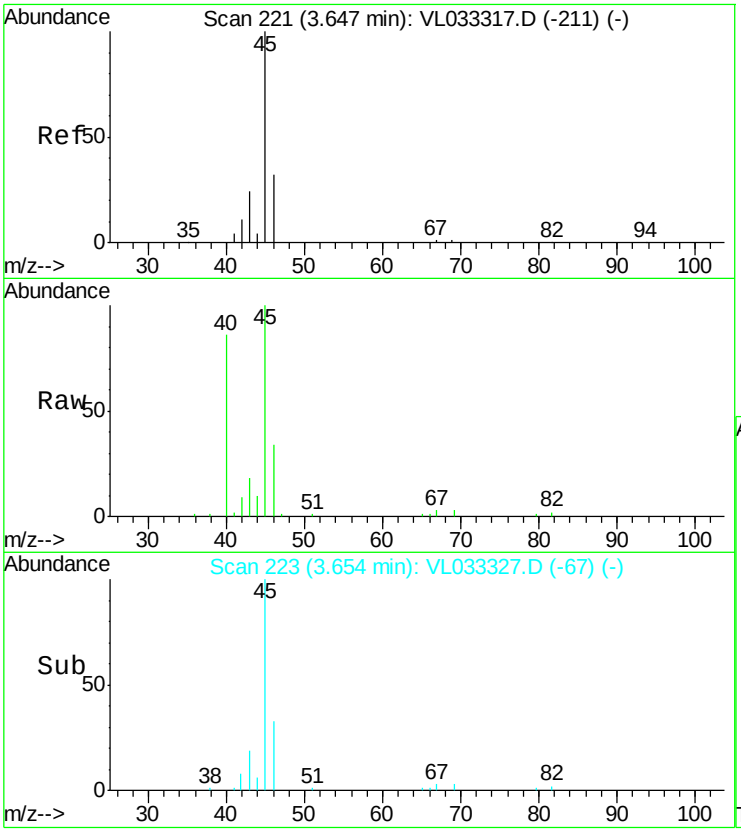




#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.110 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:101 Resp: 211089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 71.8 | 56.3 | 84.5 |



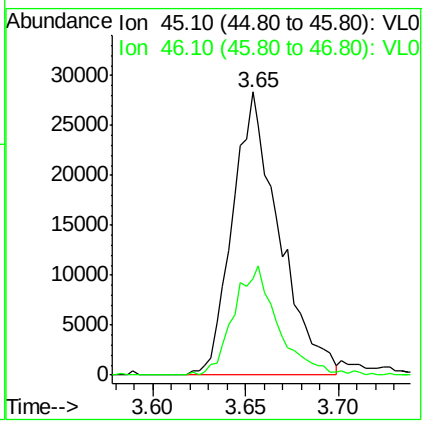


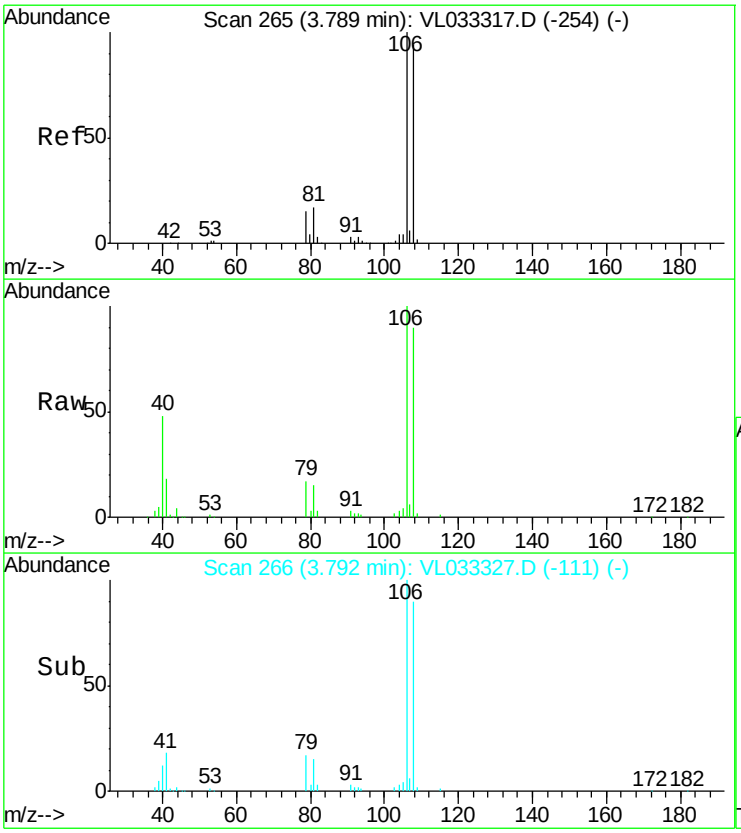

#13
Ethanol
Concen: 3.136 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 45 Resp: 49703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.9 | 14.9 | 59.7 |

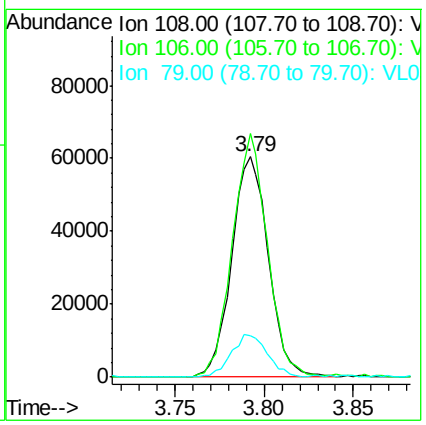


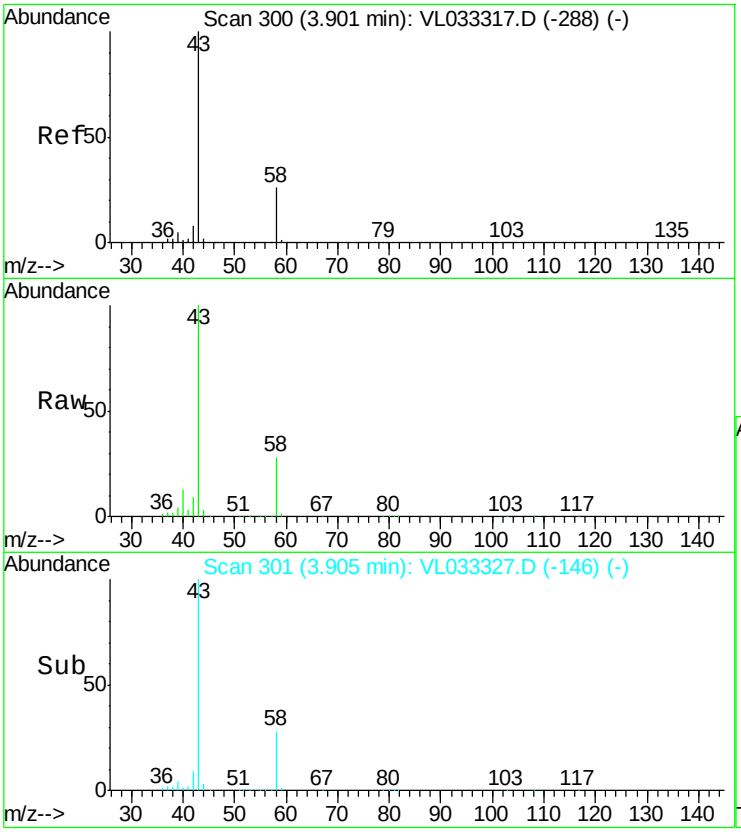




#14
Bromoethene
Concen: 2.048 ppbv
RT: 3.79 min Scan# 266
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:108 Resp: 86663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 105.7 | 86.2 | 129.2 |
| 79 | 19.8 | 15.4 | 23.2 |



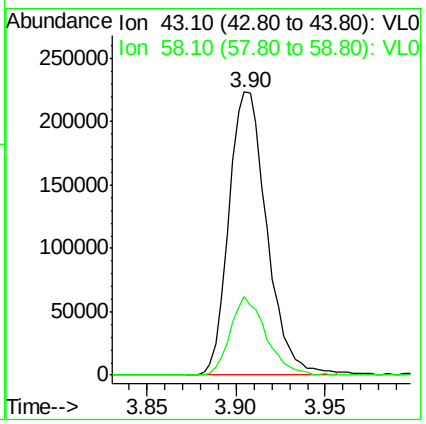


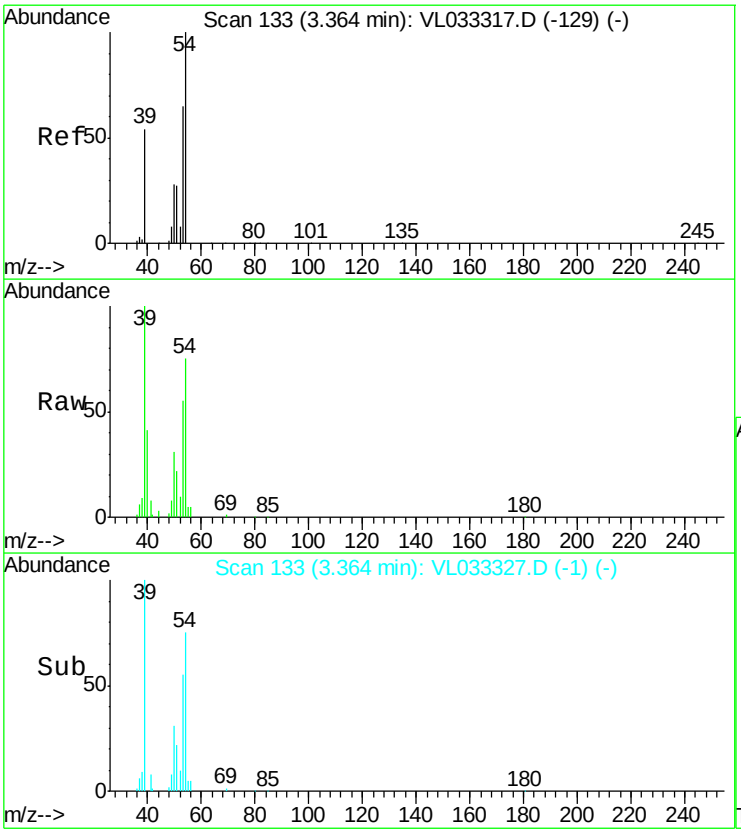

#15
Acetone
Concen: 2.438 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 43 Resp: 331522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.5 | 20.4 | 30.6 |

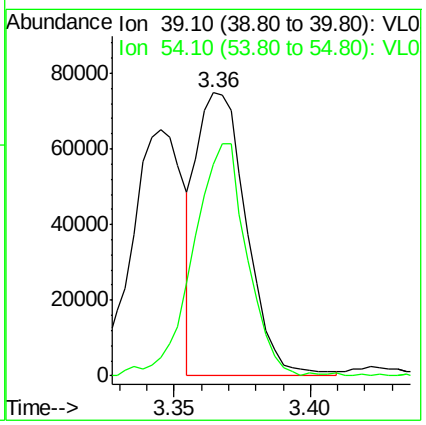


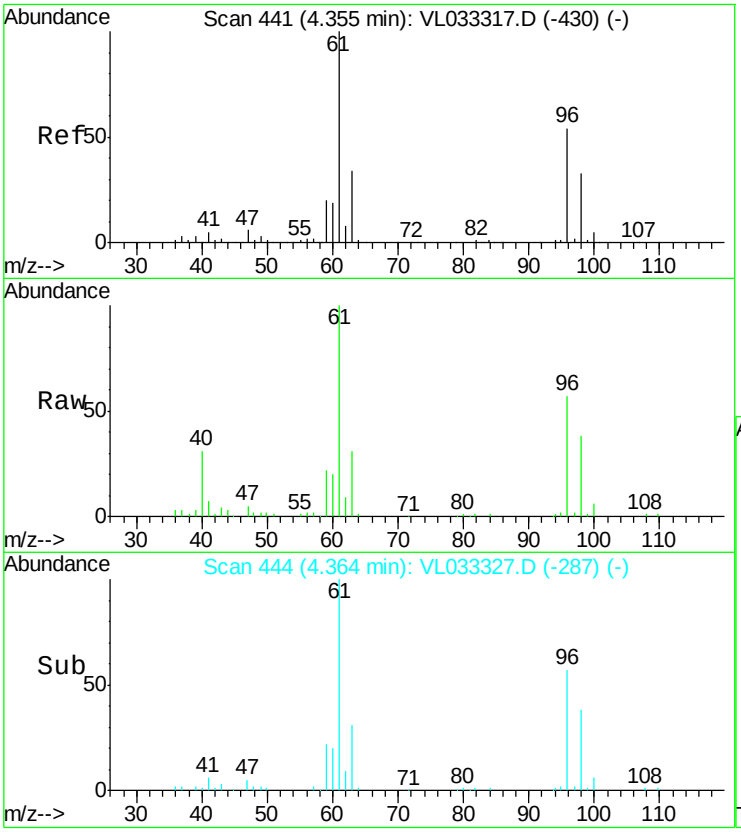




#16
1,3-Butadiene
Concen: 1.982 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 39 Resp: 94617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 89.7 | 76.8 | 115.2 |



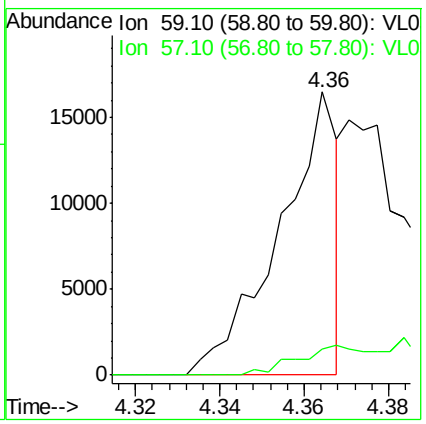


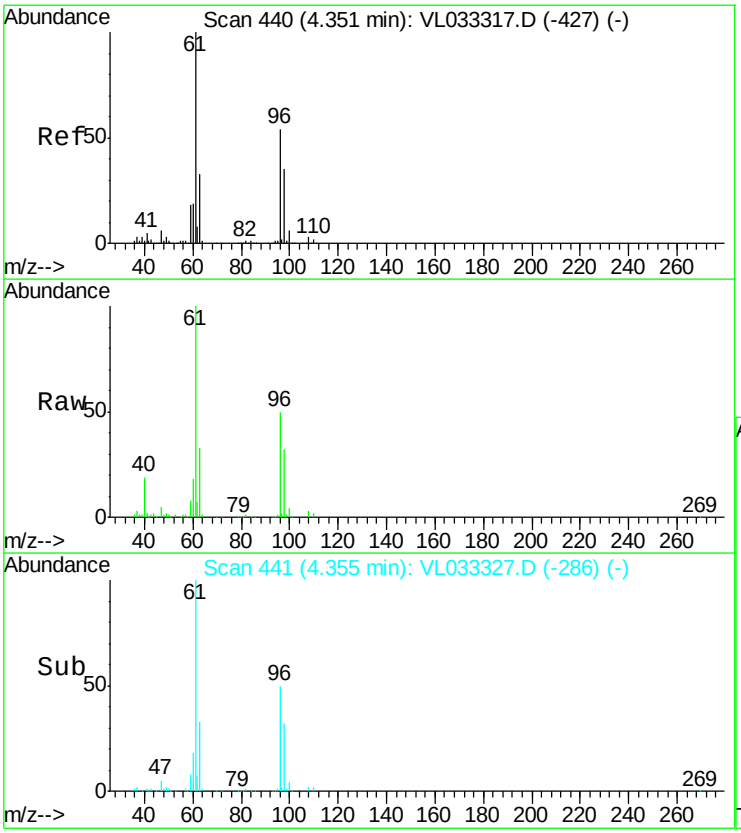

#17
tert-Butyl alcohol
Concen: 0.811 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 59 Resp: 15738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.7 | 11.5# |

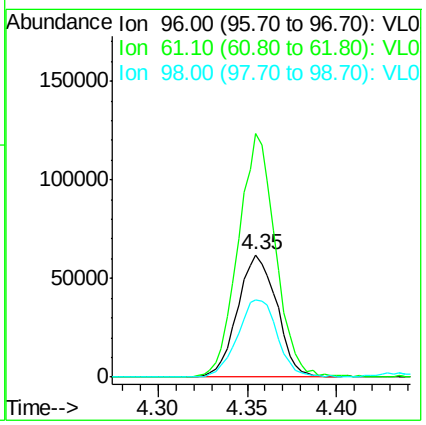


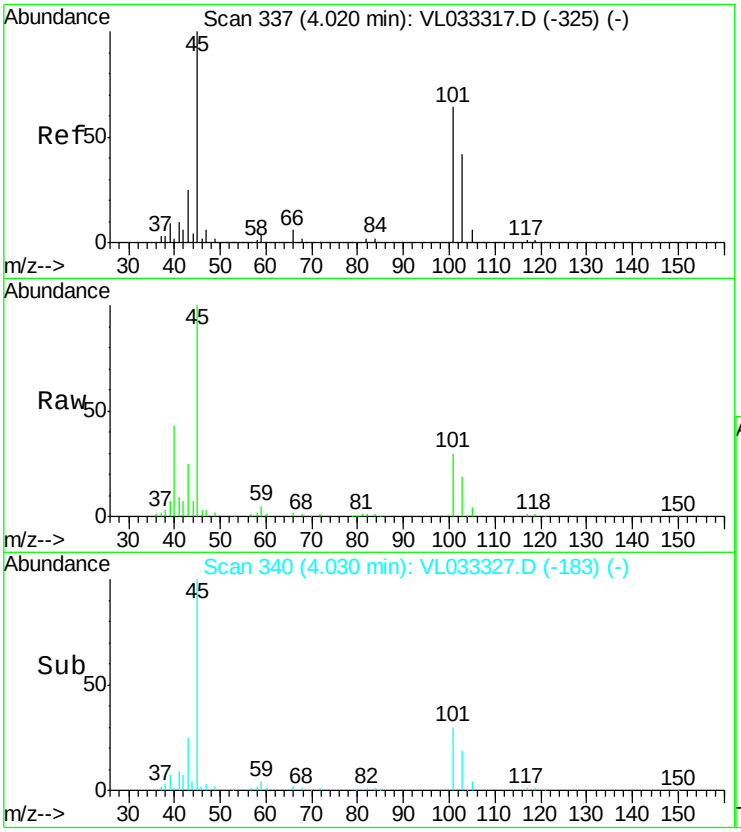




#18
1,1-Dichloroethene
Concen: 2.147 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 96 Resp: 95105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 199.0 | 148.6 | 222.8 |
| 98 | 63.2 | 50.3 | 75.5 |



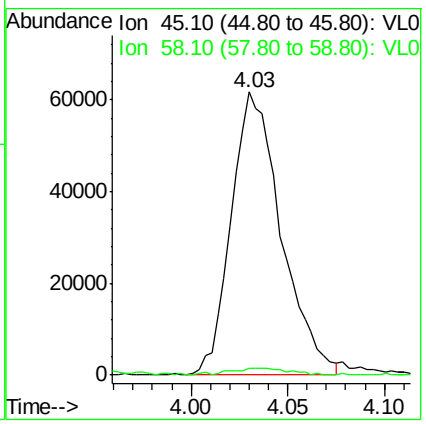


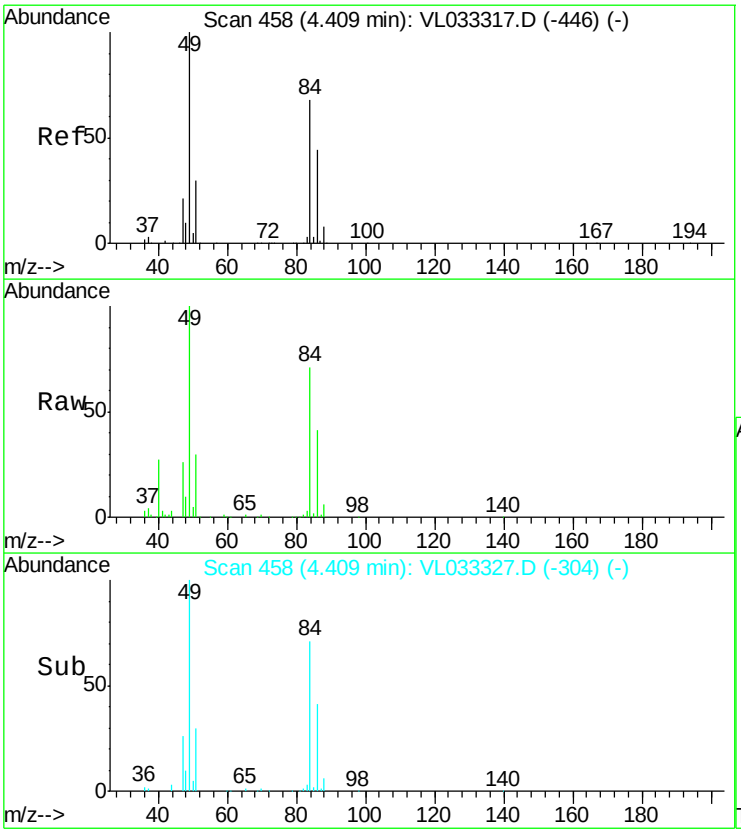

#19
Isopropyl Alcohol
Concen: 1.611 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 45 Resp: 109898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 79.3 | 1.5 | 2.3# |

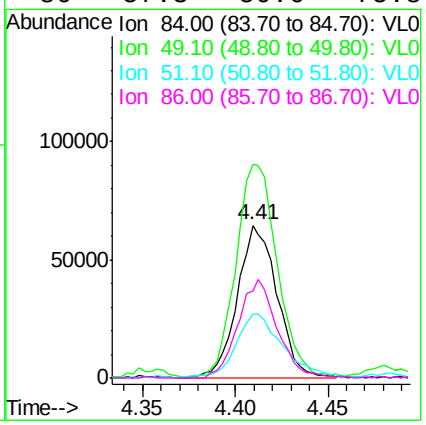


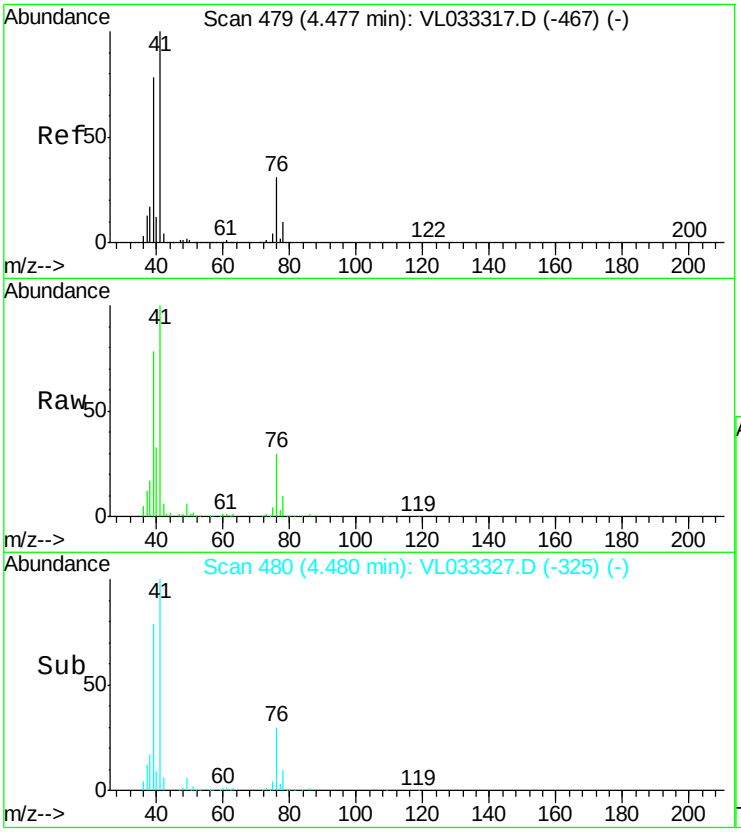




#20
Methylene Chloride
Concen: 2.207 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 84 Resp: 96127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 139.0 | 115.4 | 173.0 |
| 51 | 41.7 | 35.8 | 53.6 |
| 86 | 57.3 | 50.6 | 75.8 |



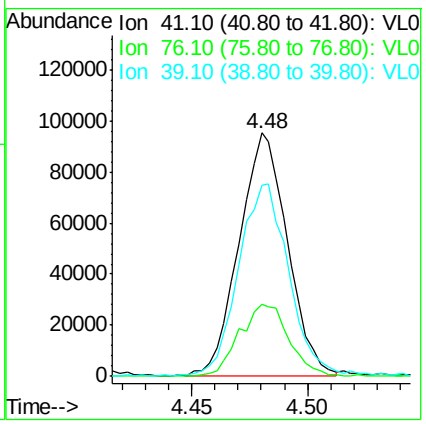


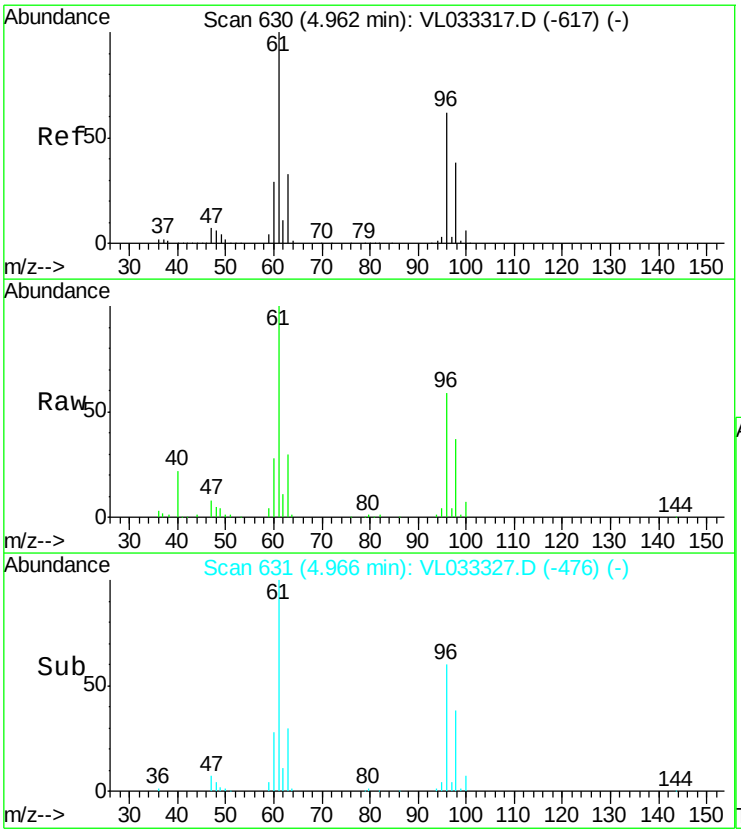

#21
Allyl Chloride
Concen: 2.035 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 41 Resp: 136879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 30.5 | 25.0 | 37.4 |
| 39 | 83.4 | 65.9 | 98.9 |

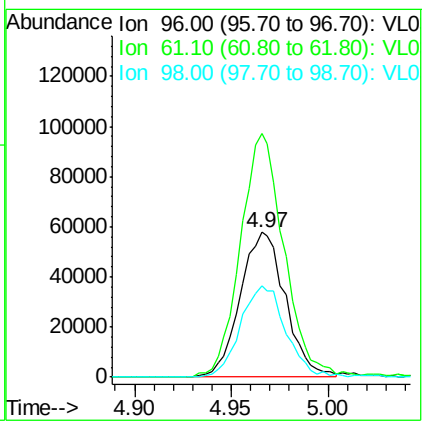


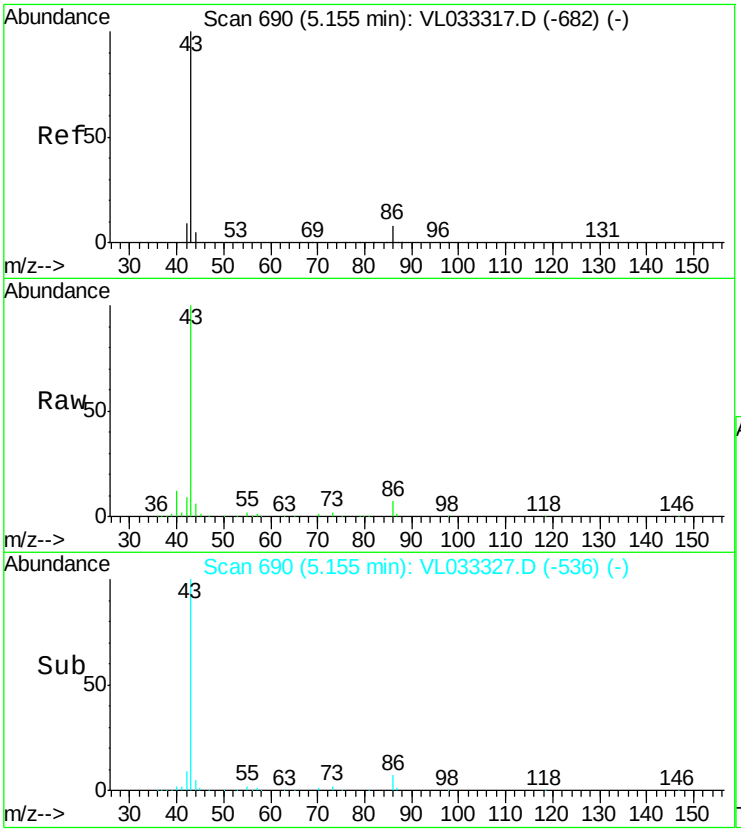




#22
trans-1,2-Dichloroethene
Concen: 2.128 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 96 Resp: 93673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.8 | 130.0 | 195.0 |
| 98 | 63.1 | 50.0 | 75.0 |



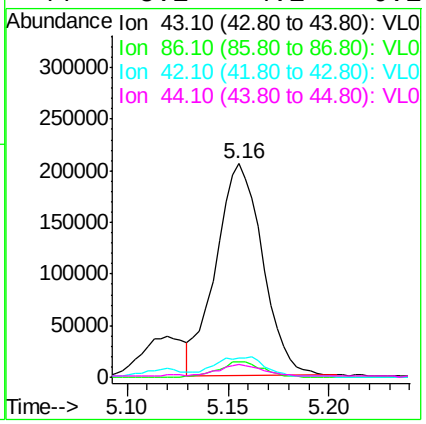


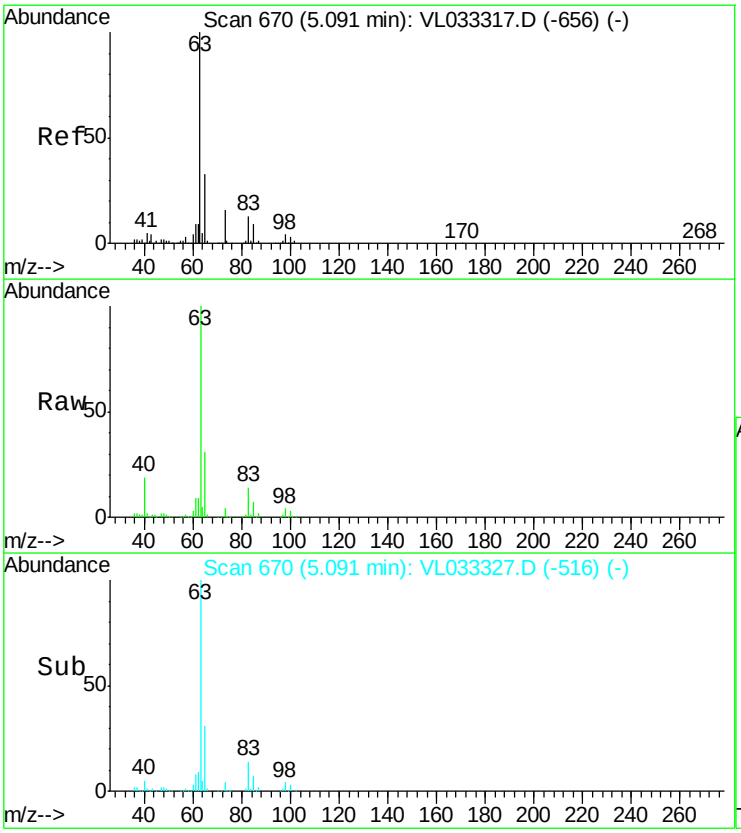

#23
Vinyl Acetate
Concen: 2.098 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 43 Resp: 333197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.0 | 6.2 | 9.2 |
| 42 | 9.2 | 8.1 | 12.1 |
| 44 | 5.1 | 4.1 | 6.1 |

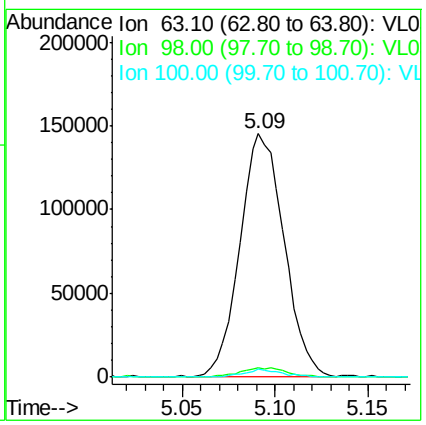


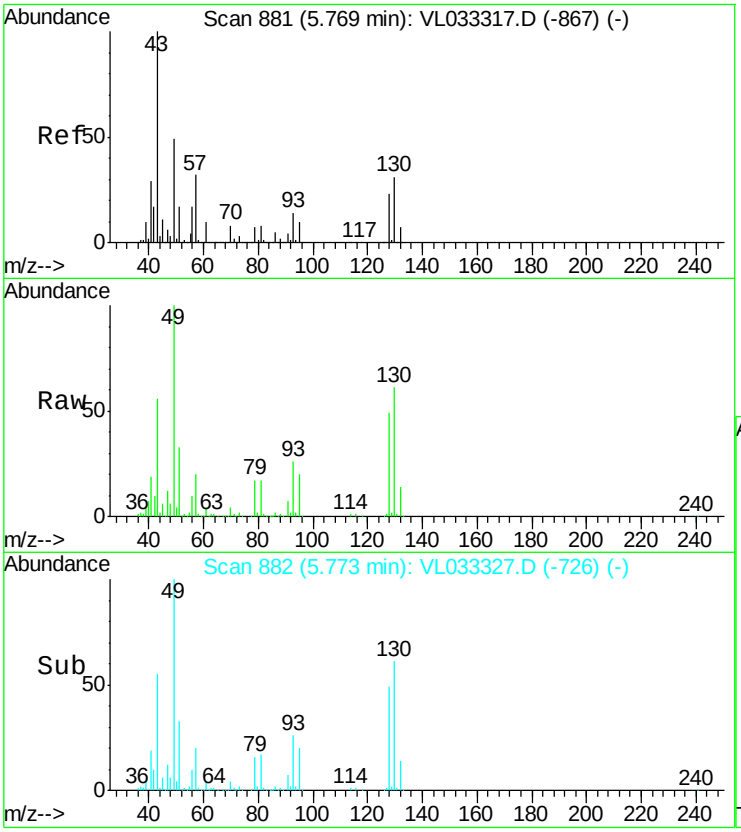




#24
1,1-Dichloroethane
Concen: 2.114 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 63 Resp: 239196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.1 | 2.4 | 7.1 |
| 100 | 3.3 | 1.3 | 3.8 |



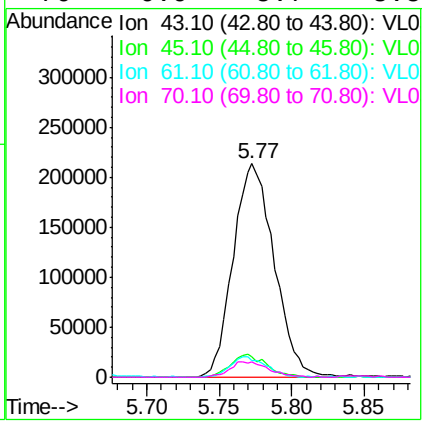


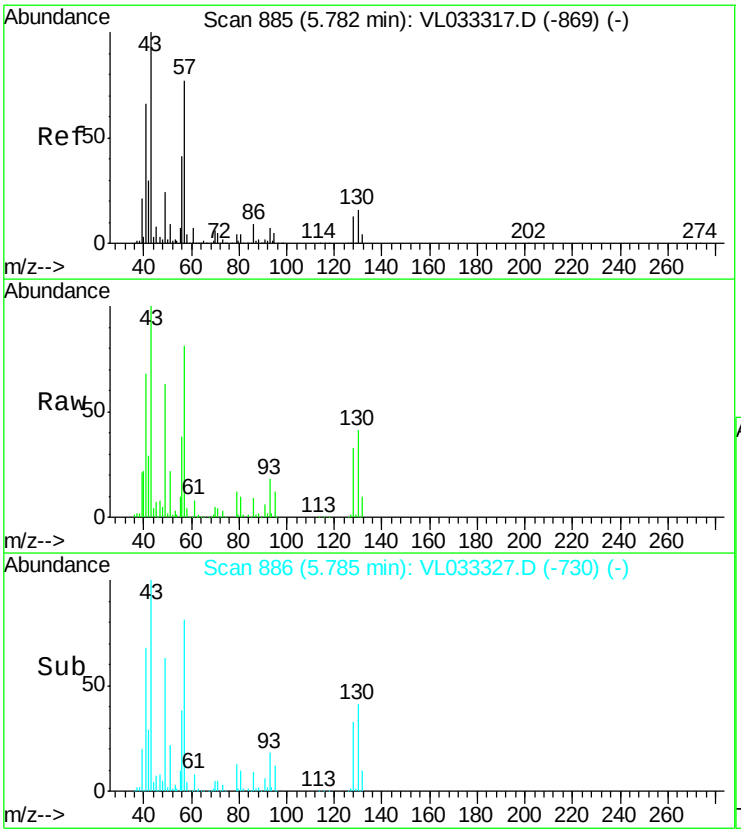

#25
Ethyl Acetate
Concen: 2.130 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 43 Resp: 419169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.5 | 7.9 | 11.9 |
| 61 | 8.9 | 7.4 | 11.2 |
| 70 | 6.9 | 5.7 | 8.5 |

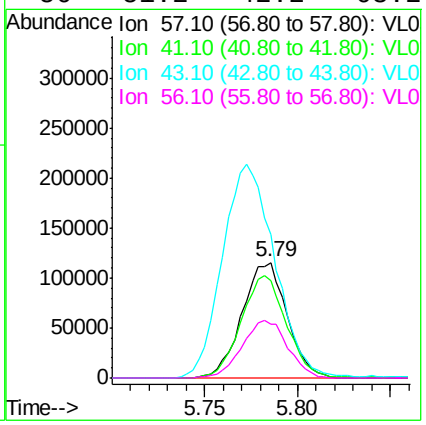


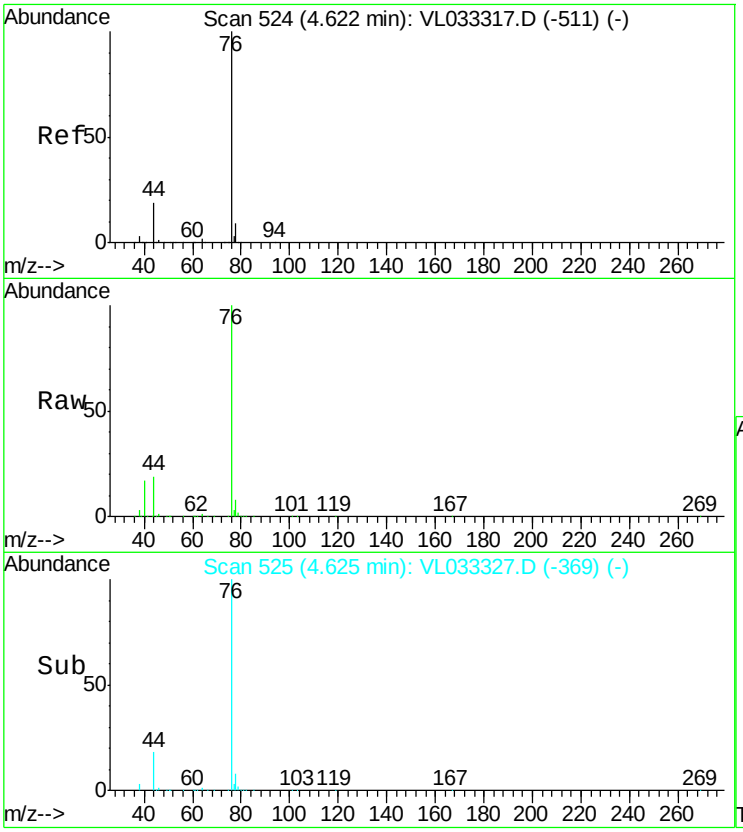




#26
Hexane
Concen: 2.151 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 57 Resp: 193744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 91.4 | 70.5 | 105.7 |
| 43 | 219.2 | 181.8 | 272.8 |
| 56 | 51.2 | 42.2 | 63.2 |



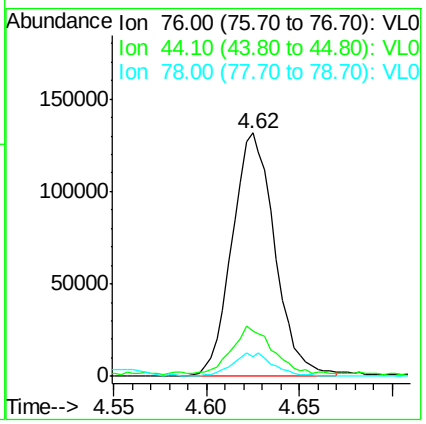


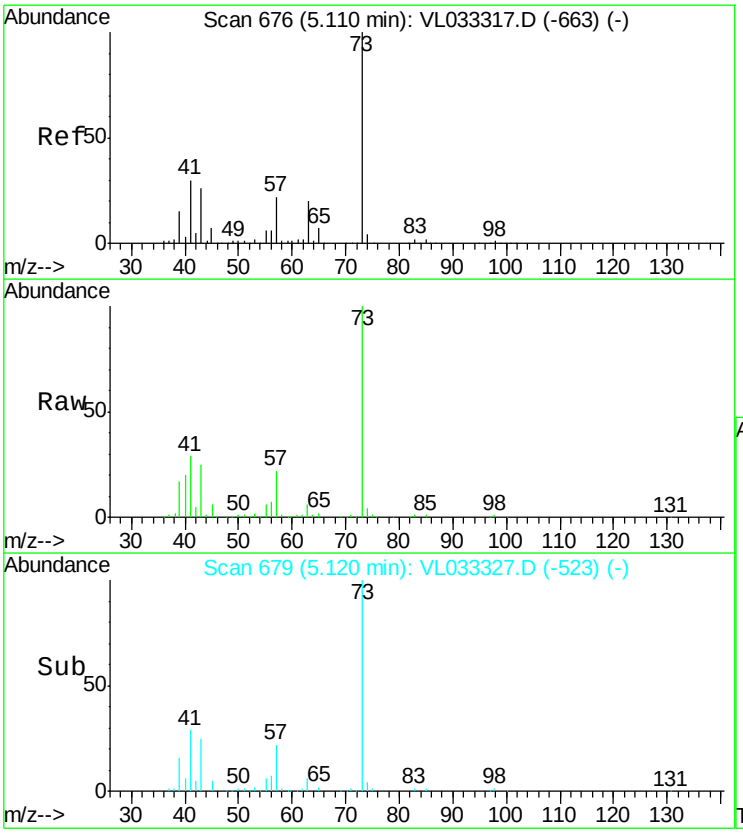

#27
Carbon Disulfide
Concen: 2.068 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 76 Resp: 210121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 20.0 | 15.2 | 22.8 |
| 78 | 9.3 | 7.2 | 10.8 |

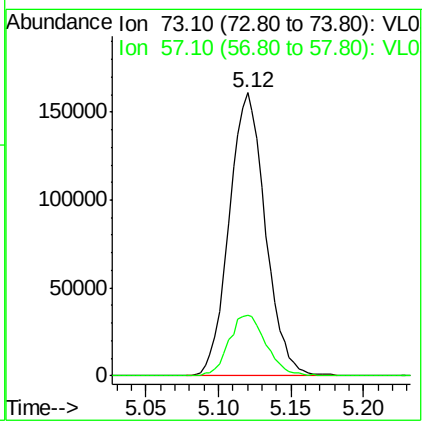


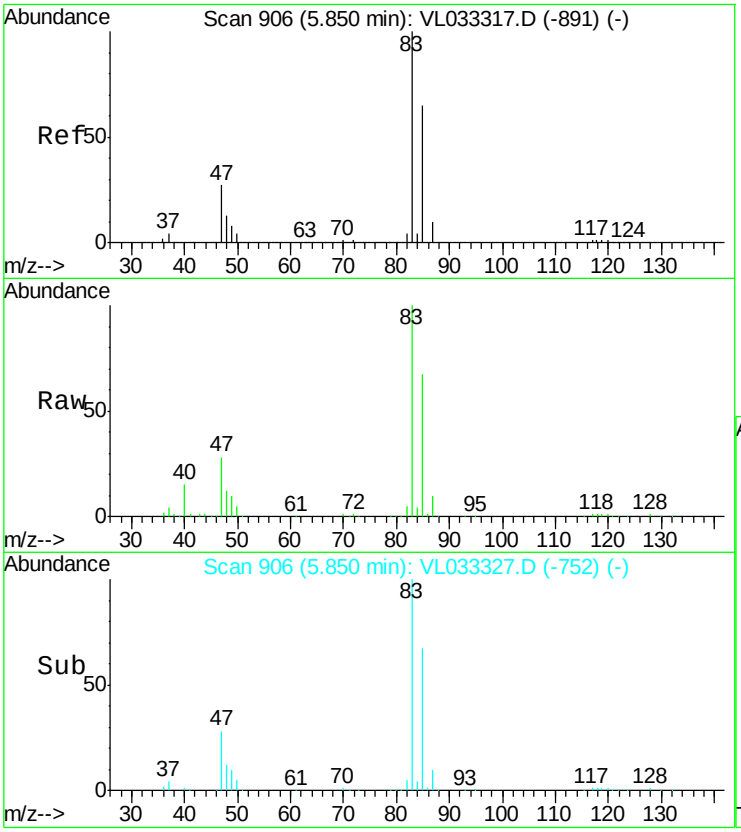




#28
Methyl tert-Butyl Ether
Concen: 2.149 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 73 Resp: 278717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.0 |



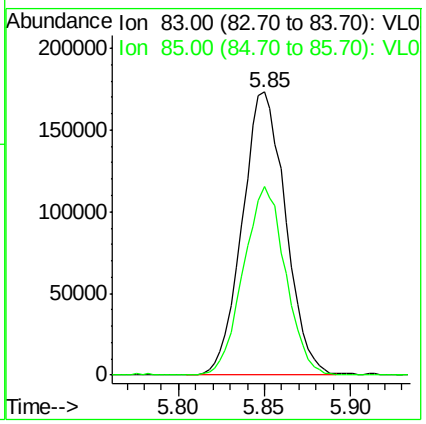


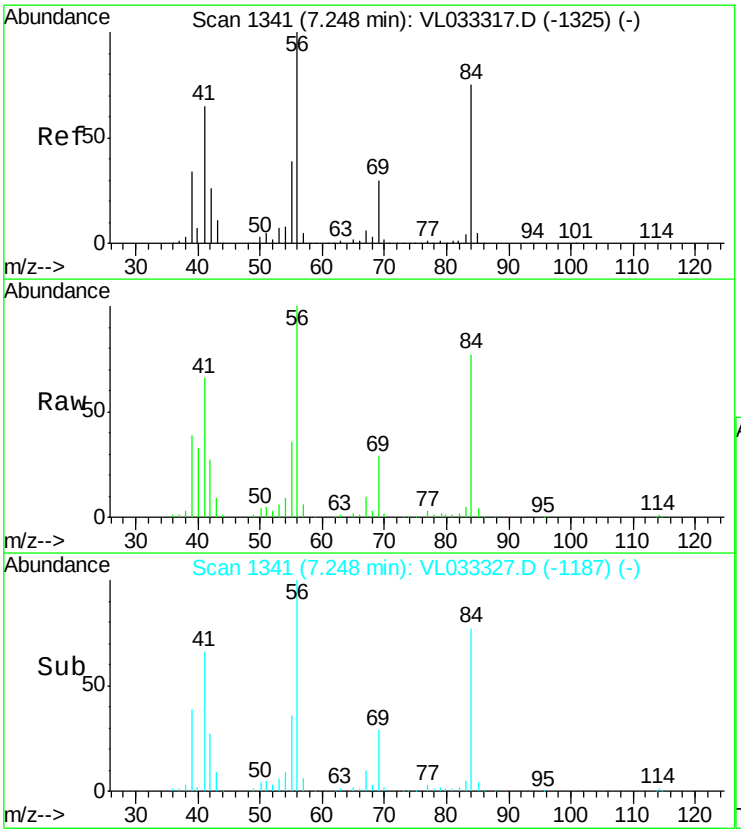

#29
Chloroform
Concen: 2.061 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 83 Resp: 302547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.5 | 52.0 | 78.0 |

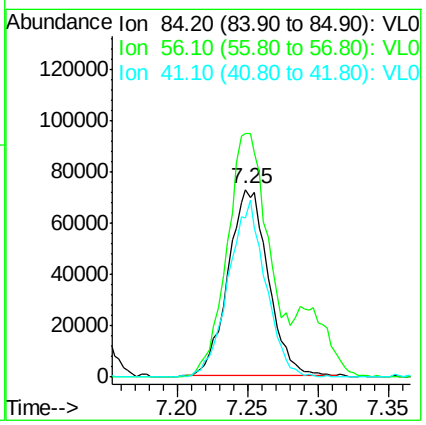


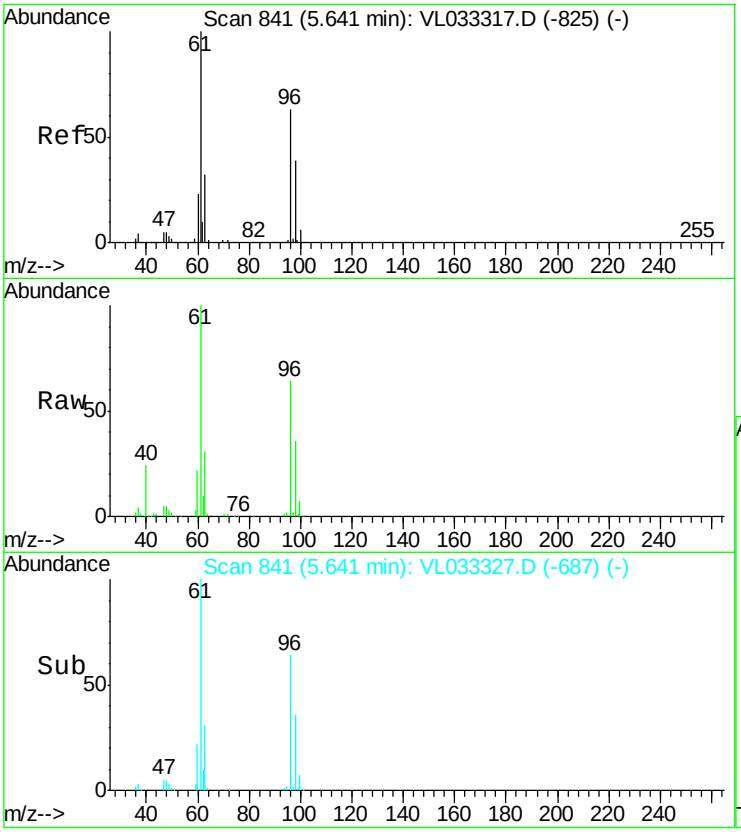




#30
Cyclohexane
Concen: 2.036 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 84 Resp: 145157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 167.4 | 111.3 | 166.9# |
| 41 | 88.4 | 69.6 | 104.4 |



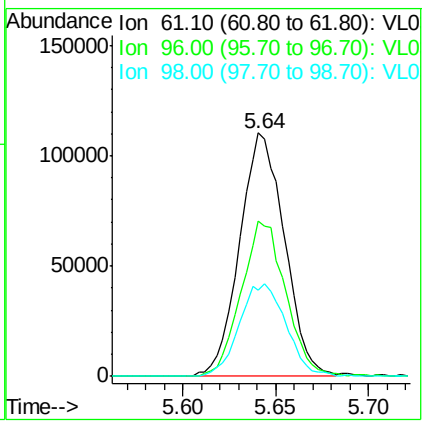


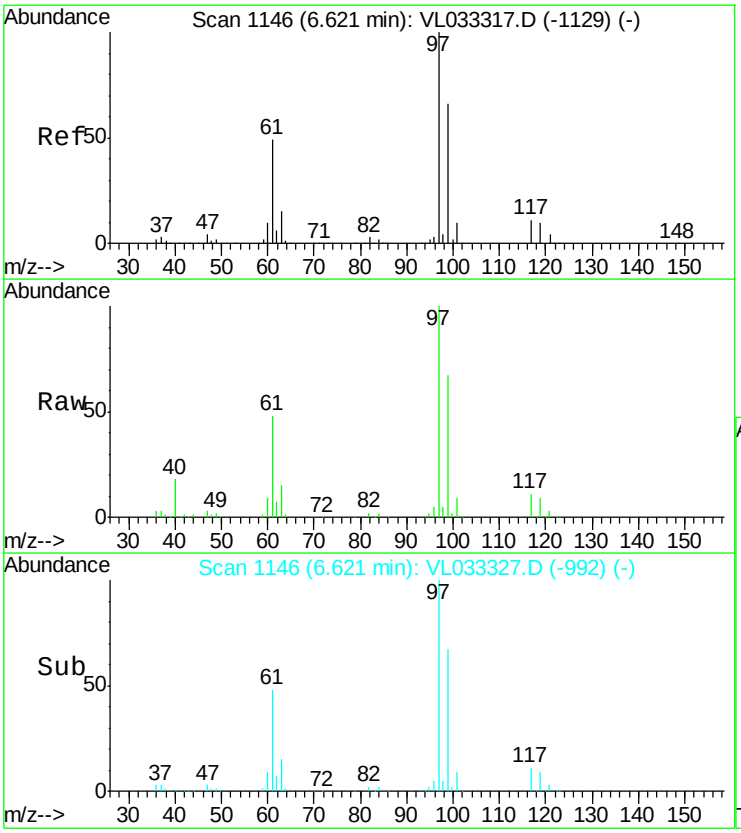

#31
cis-1,2-Dichloroethene
Concen: 2.054 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 61 Resp: 183299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 64.0 | 50.3 | 75.5 |
| 98 | 35.6 | 31.5 | 47.3 |

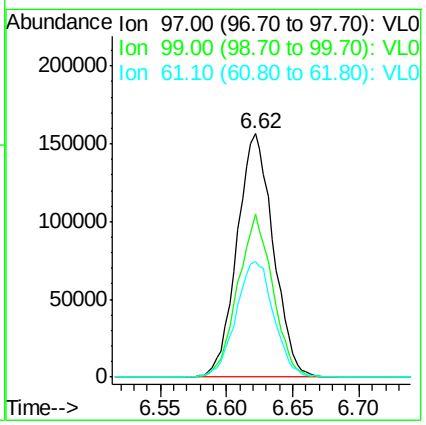


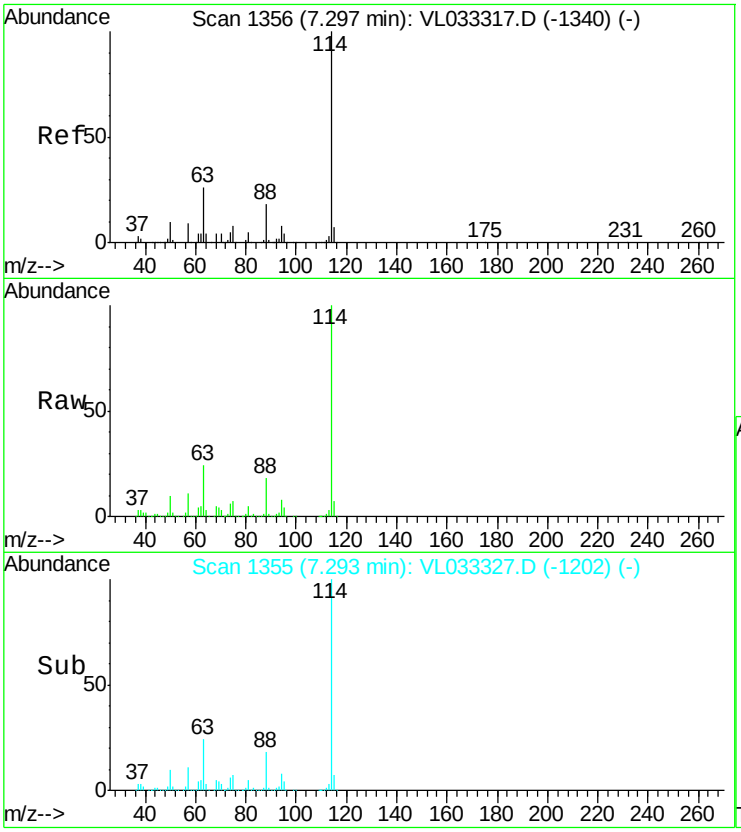




#32
1,1,1-Trichloroethane
Concen: 2.044 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 97 Resp: 297864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 51.0 | 76.6 |
| 61 | 49.5 | 39.3 | 58.9 |



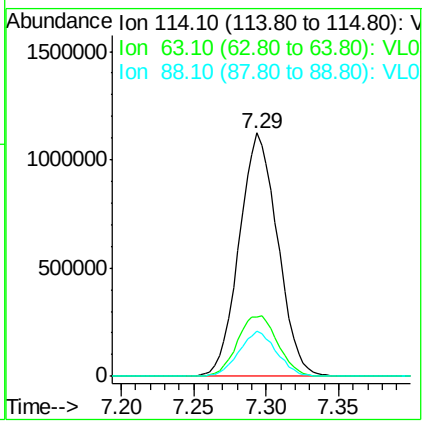


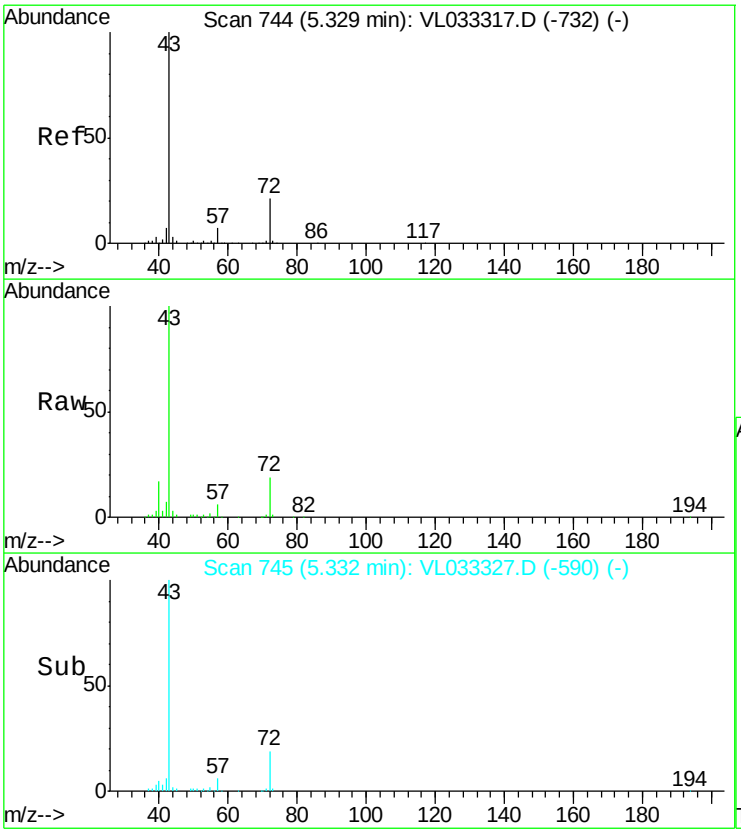

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:114 Resp: 2068748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.3 | 21.4 | 32.2 |
| 88 | 18.1 | 14.5 | 21.7 |

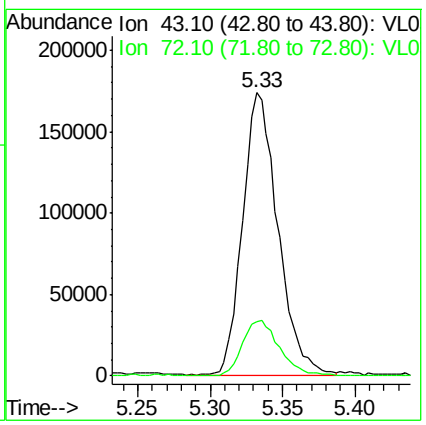


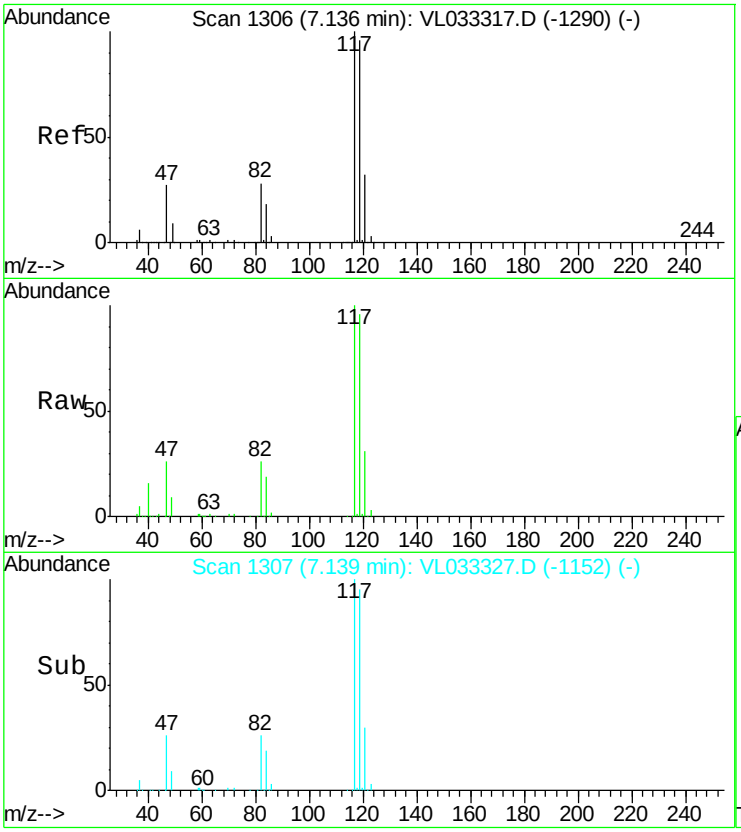




#34
2-Butanone
Concen: 2.238 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 43 Resp: 293687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 20.9 | 17.7 | 26.5 |



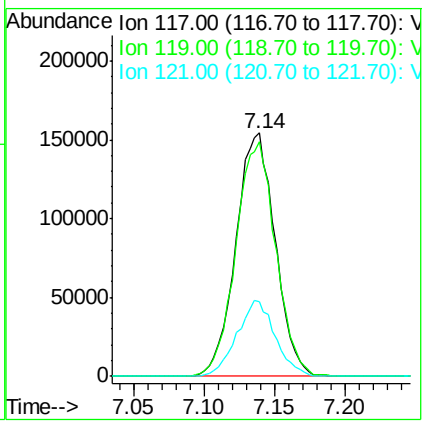


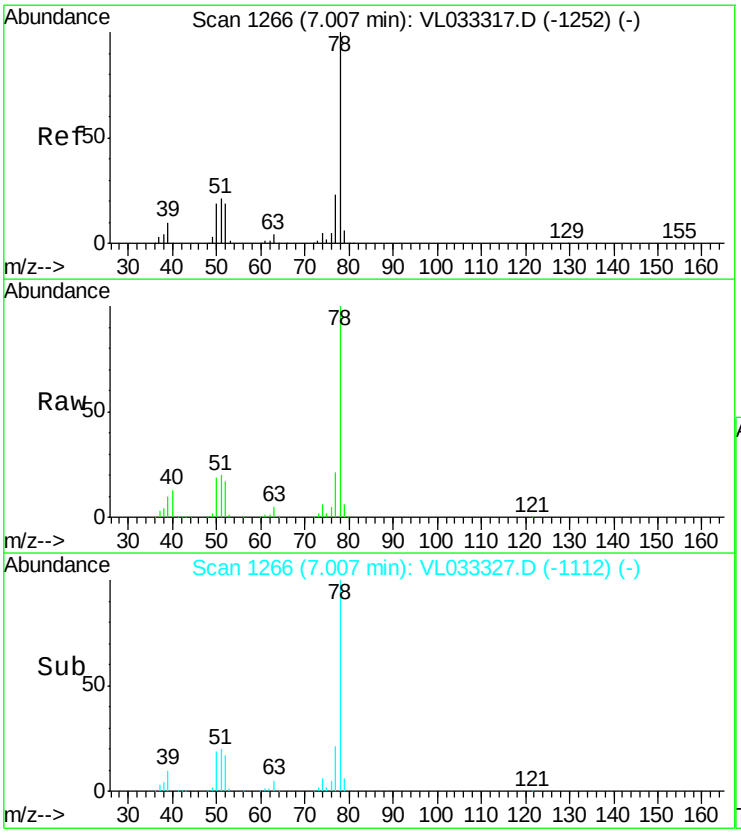

#35
Carbon Tetrachloride
Concen: 2.019 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:117 Resp: 301459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 77.4 | 116.0 |
| 121 | 30.7 | 24.9 | 37.3 |

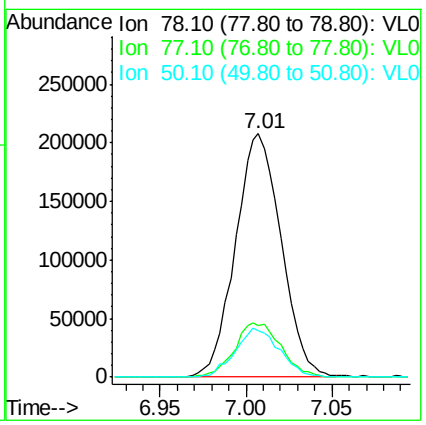


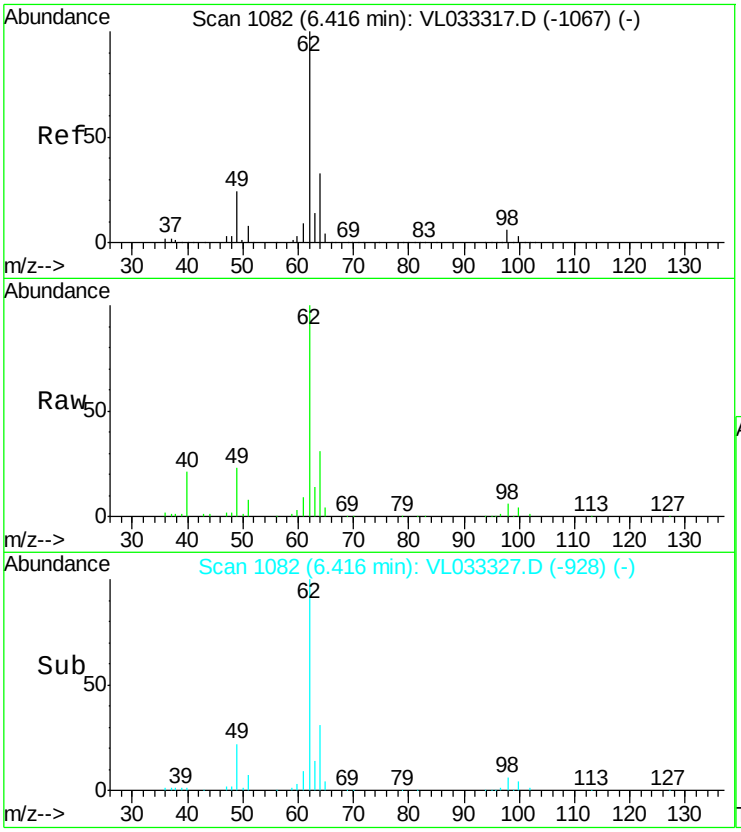




#36
Benzene
Concen: 2.055 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 78 Resp: 380058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.0 | 18.1 | 27.1 |
| 50 | 18.8 | 15.2 | 22.8 |

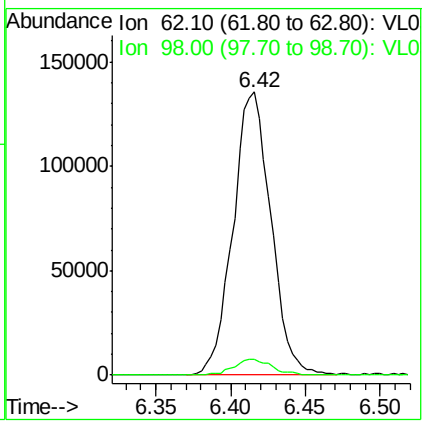




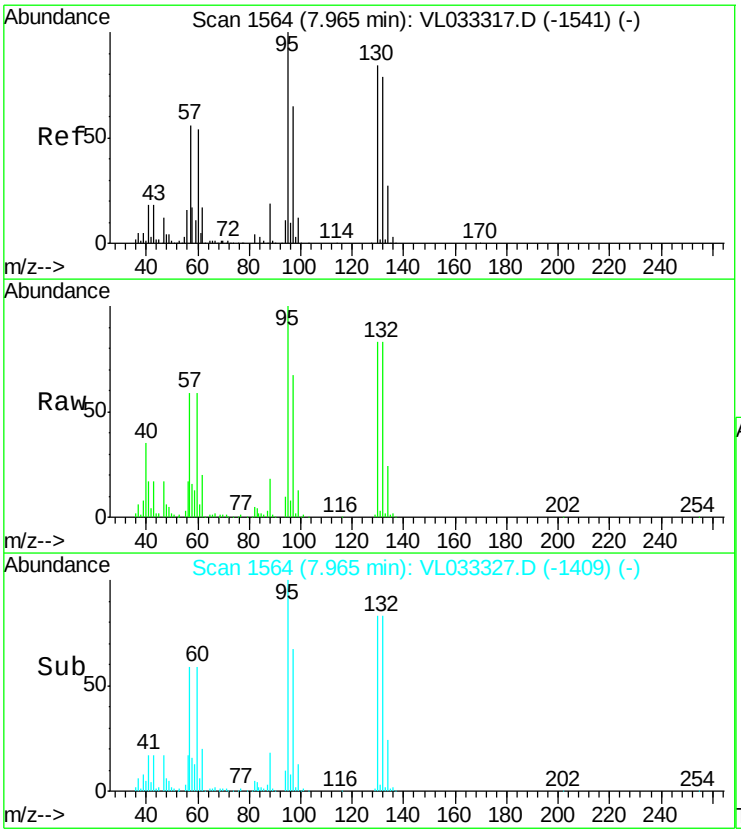

#37
1,2-Dichloroethane
Concen: 2.075 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 62 Resp: 239254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.7 | 4.5 | 6.7 |



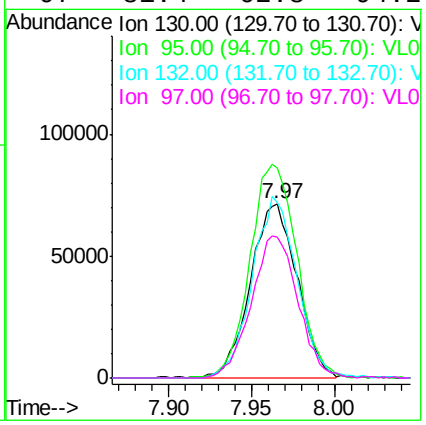

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

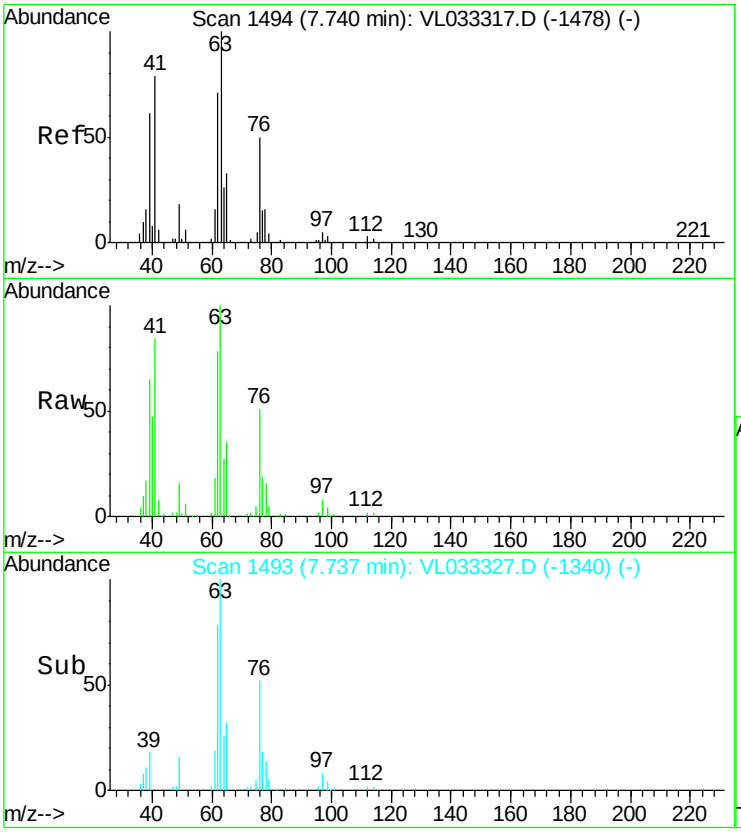



#38
Trichloroethene
Concen: 1.926 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:130 Resp: 140181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 121.9 | 95.2 | 142.8 |
| 132 | 101.5 | 77.7 | 116.5 |
| 97 | 81.4 | 62.8 | 94.2 |



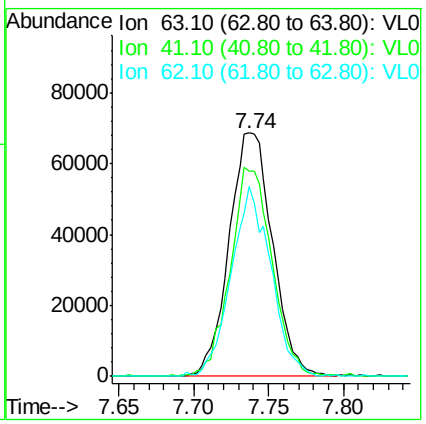


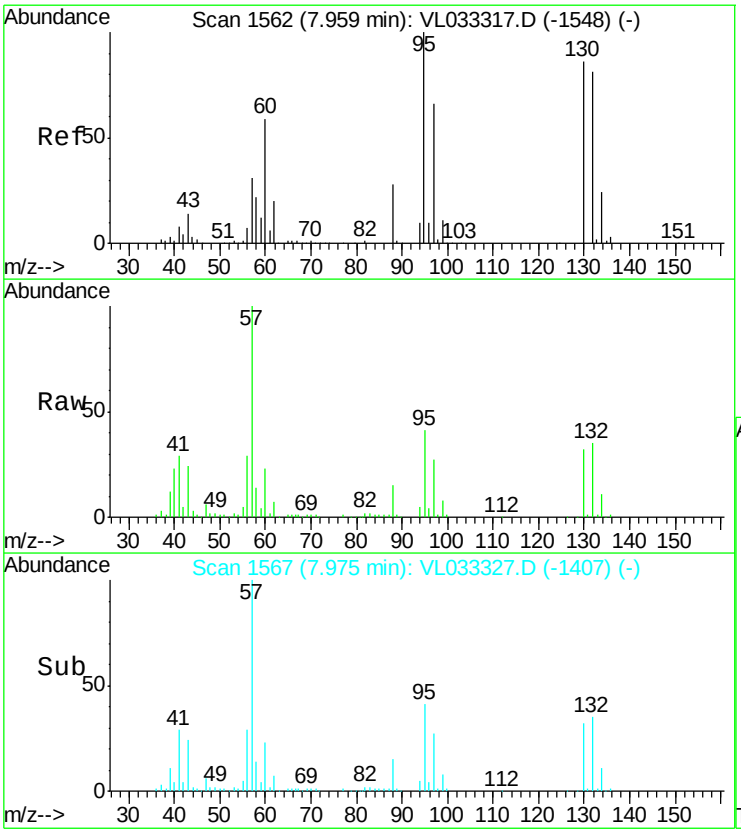

#39
1,2-Dichloropropane
Concen: 1.973 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 63 Resp: 138822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 83.5 | 59.5 | 89.3 |
| 62 | 77.3 | 54.7 | 82.1 |

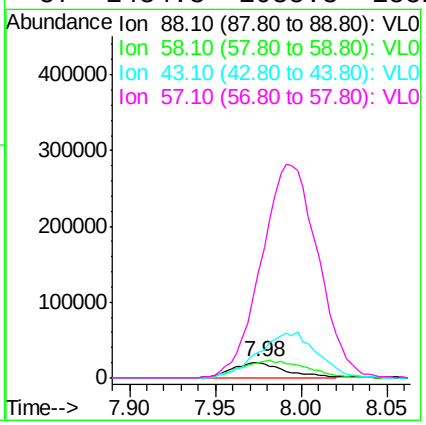


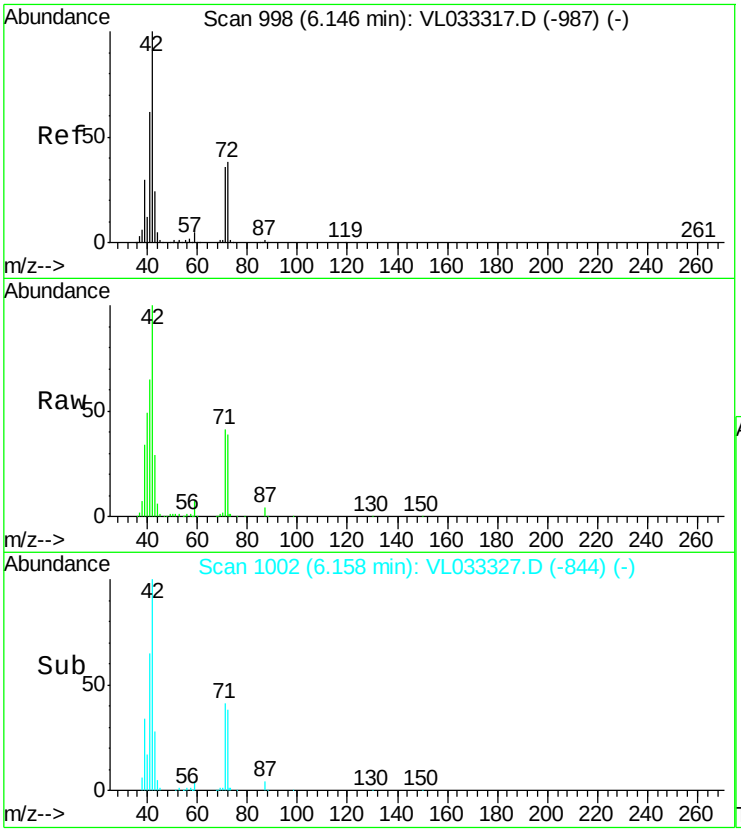




#40
1,4-Dioxane
Concen: 1.756 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. 0.02 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 88 Resp: 45266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 143.7 | 107.9 | 161.9 |
| 43 | 318.3 | 230.8 | 346.2 |
| 57 | 1434.3 | 1035.3 | 1552.9 |



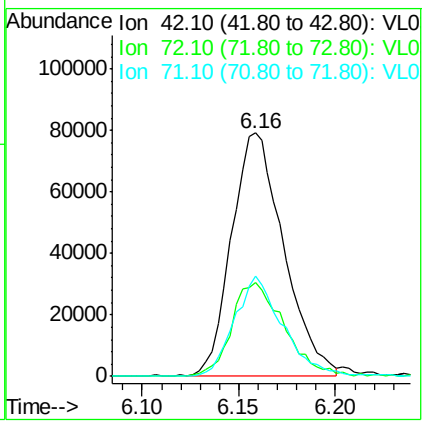


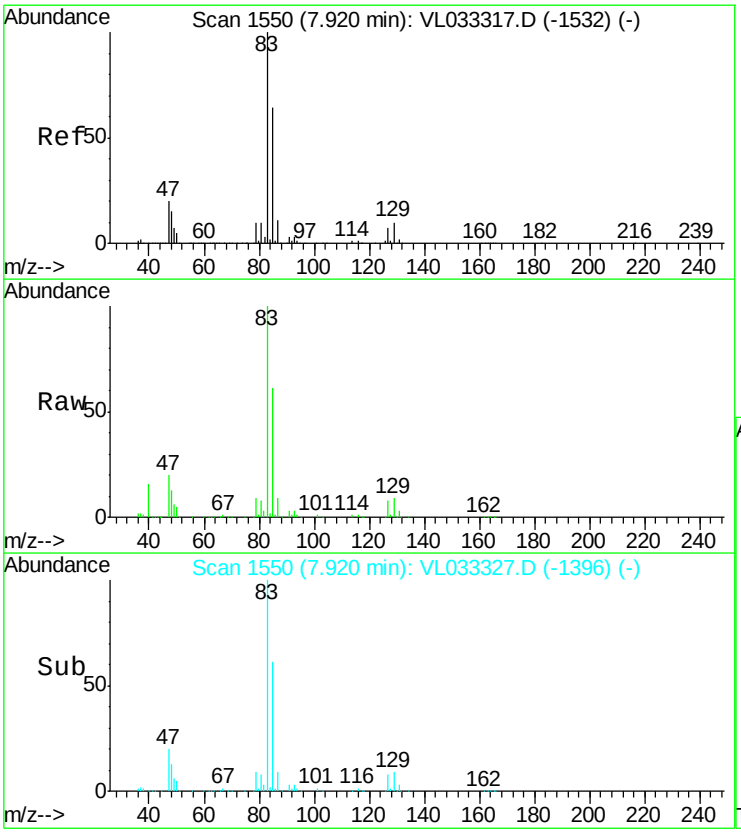

#41
Tetrahydrofuran
Concen: 2.023 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 42 Resp: 147206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 39.4 | 31.6 | 47.4 |
| 71 | 38.8 | 29.9 | 44.9 |

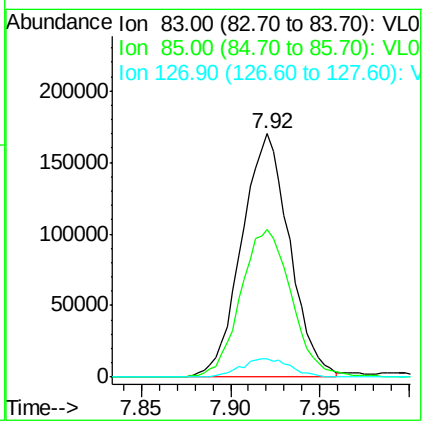


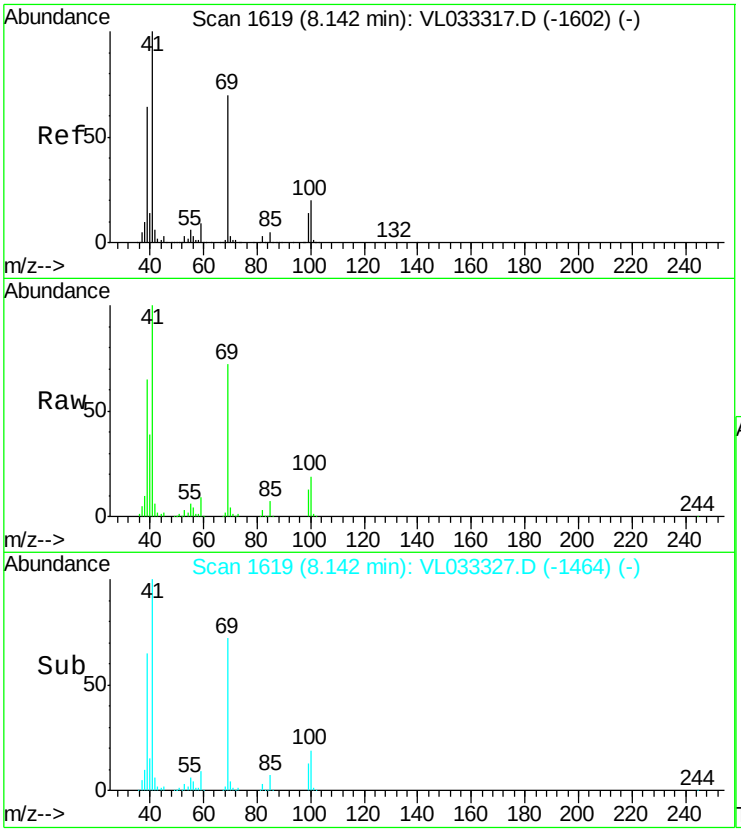




#42
Bromodichloromethane
Concen: 2.028 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 83 Resp: 318595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.5 | 51.8 | 77.6 |
| 127 | 7.6 | 6.2 | 9.2 |



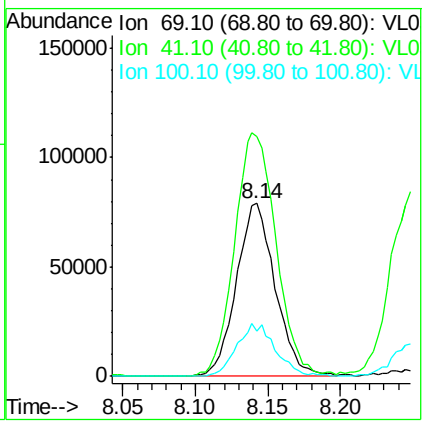


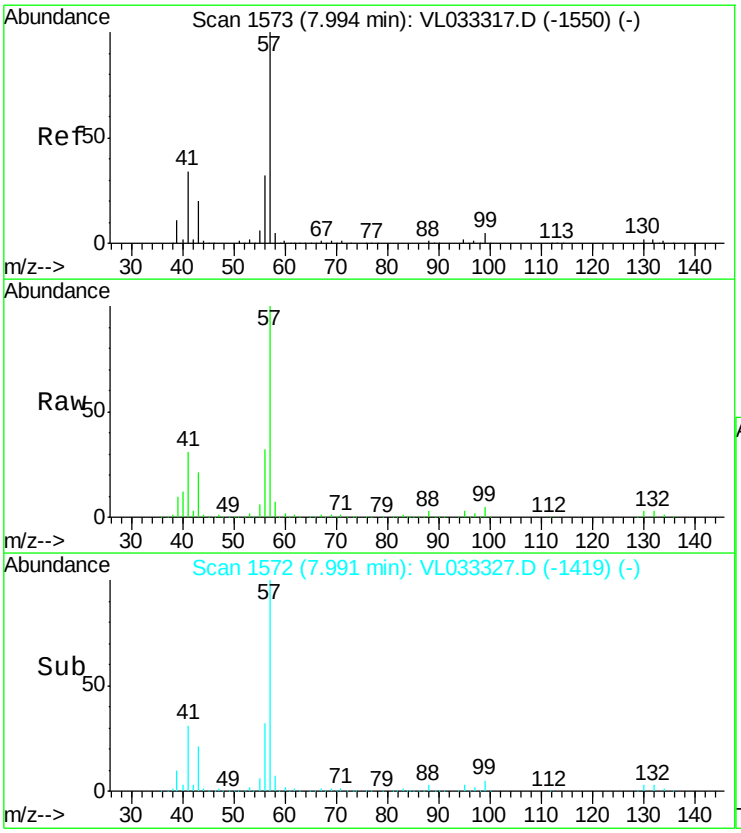

#43
Methyl Methacrylate
Concen: 2.043 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 69 Resp: 147300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 151.1 | 119.5 | 179.3 |
| 100 | 30.5 | 24.4 | 36.6 |

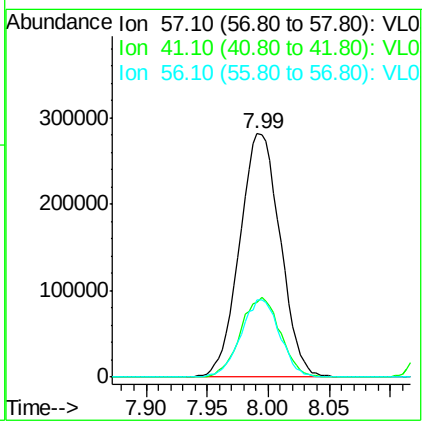


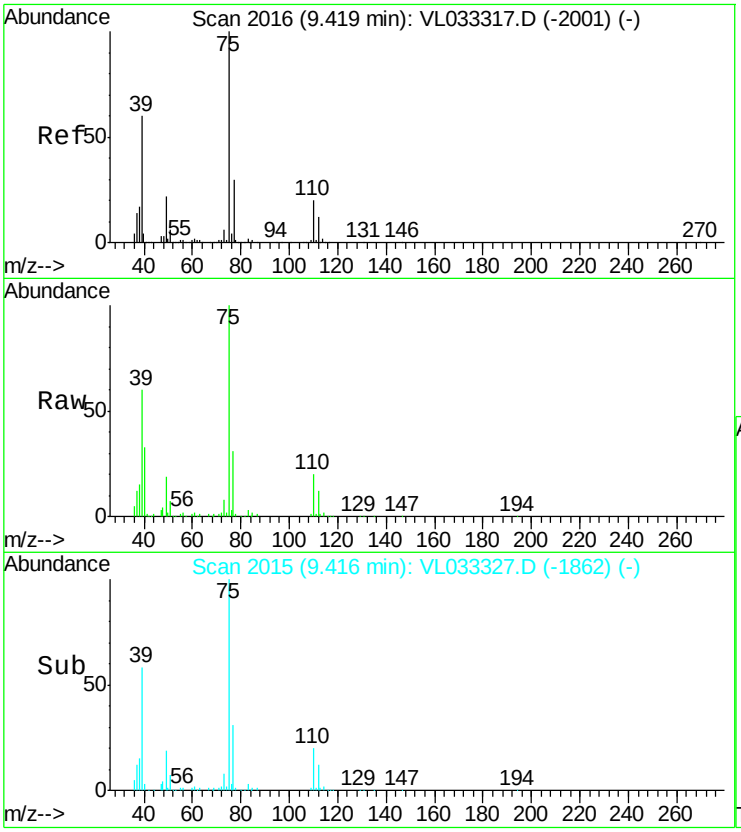




#44
2,2,4-Trimethylpentane
Concen: 2.091 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 57 Resp: 648542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 32.3 | 26.0 | 39.0 |
| 56 | 30.6 | 24.6 | 36.8 |



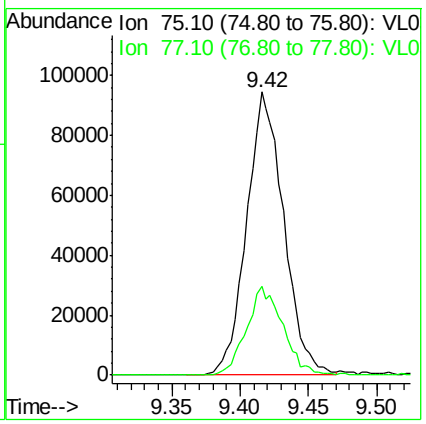


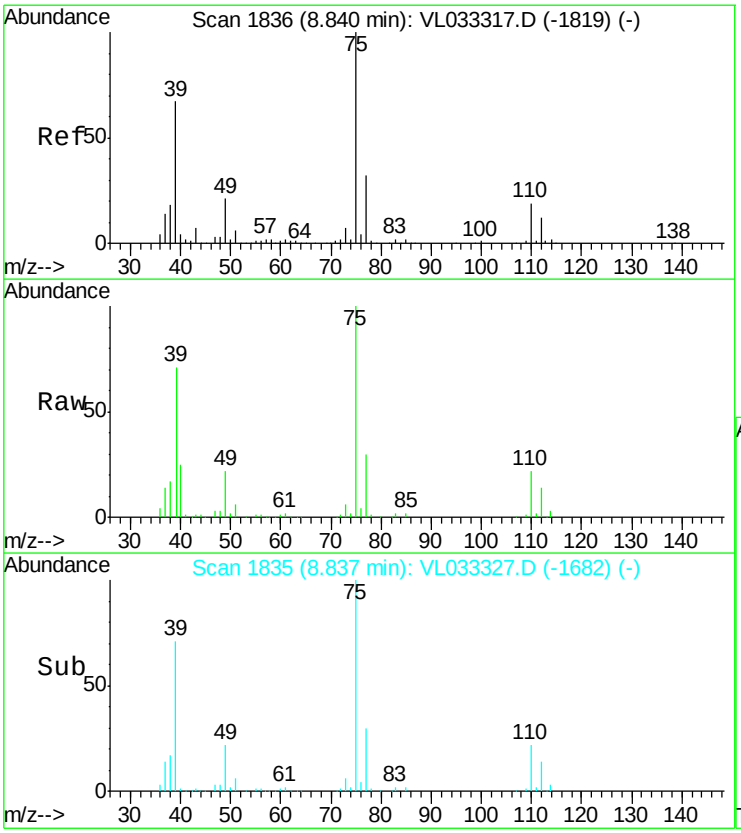

#45
t-1,3-Dichloropropene
Concen: 2.016 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 75 Resp: 178027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.5 | 38.3 |

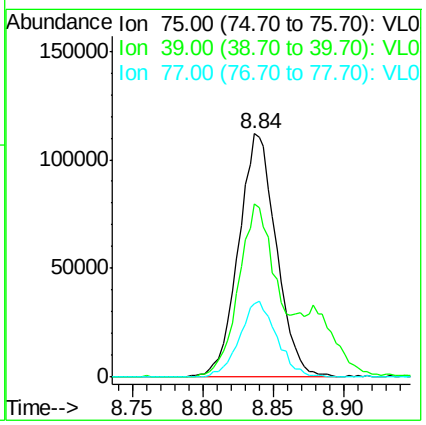


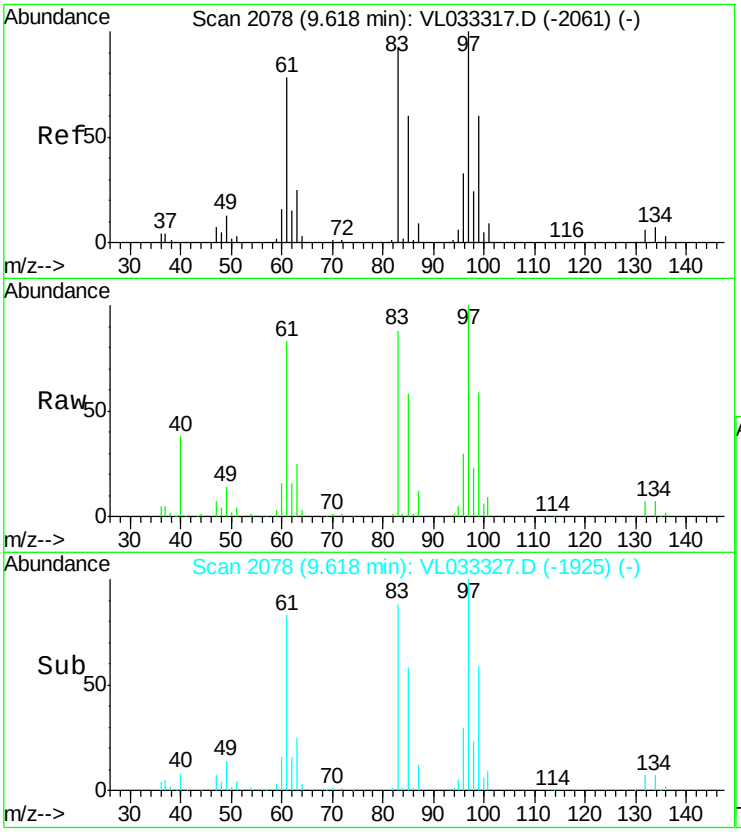




#46
cis-1,3-Dichloropropene
Concen: 2.027 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 75 Resp: 210339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 70.7 | 55.0 | 82.6 |
| 77 | 29.9 | 24.5 | 36.7 |



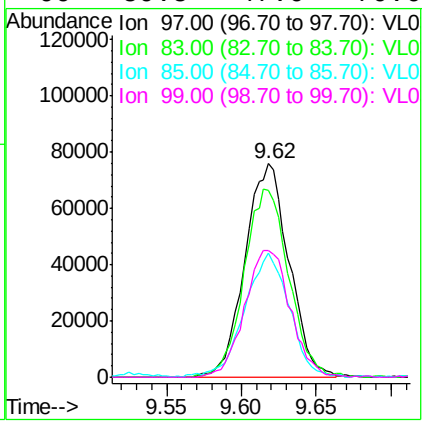


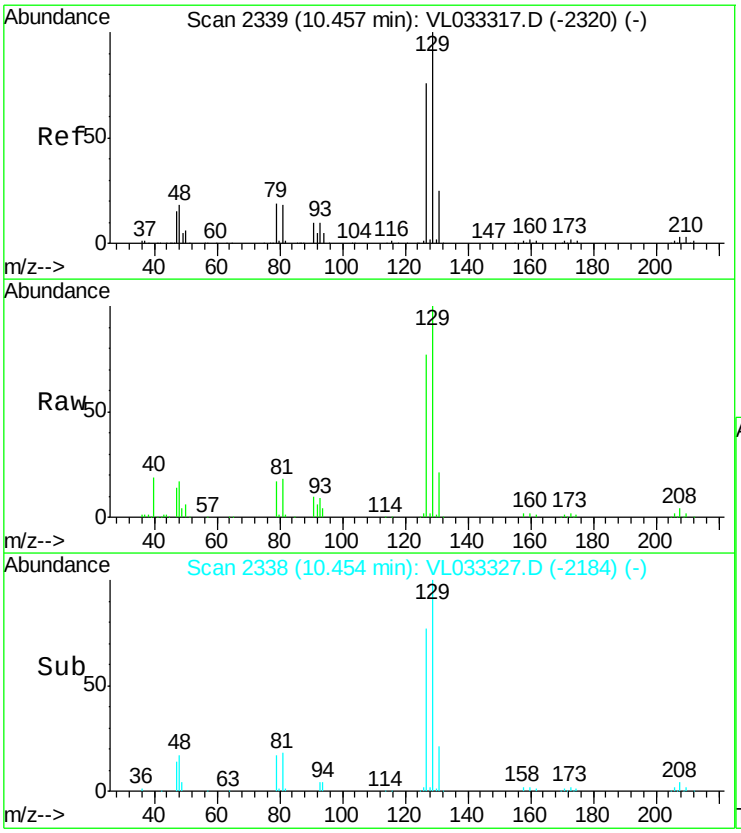

#47
1,1,2-Trichloroethane
Concen: 2.047 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 97 Resp: 154947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.5 | 67.4 | 101.0 |
| 85 | 57.3 | 43.0 | 64.4 |
| 99 | 59.5 | 47.0 | 70.6 |

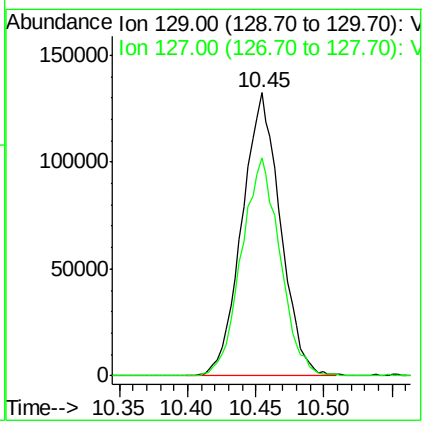


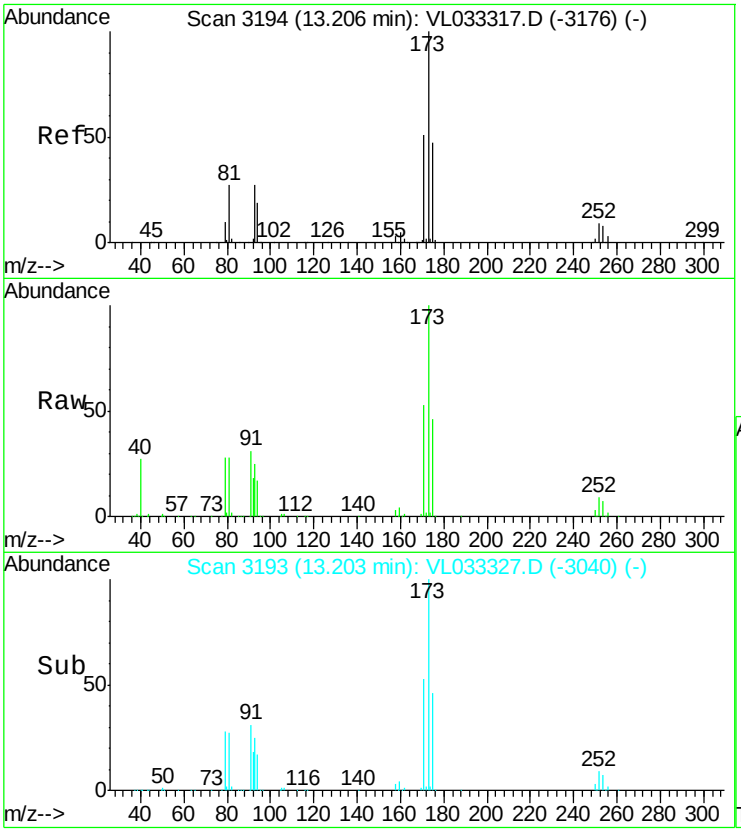




#48
Dibromochloromethane
Concen: 1.998 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:129 Resp: 258466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.9 | 116.6 |



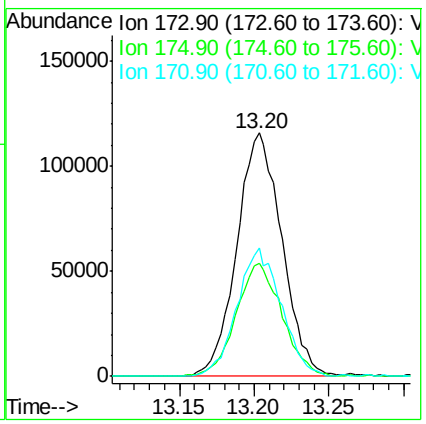


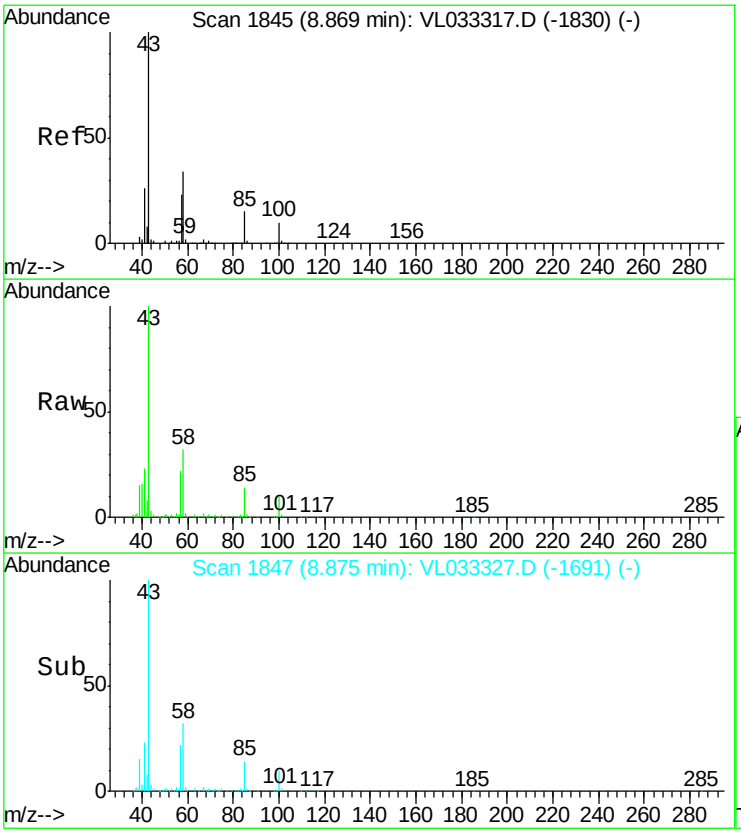

#49
Bromoform
Concen: 2.066 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:173 Resp: 241930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 39.0 | 58.6 |
| 171 | 51.8 | 41.7 | 62.5 |

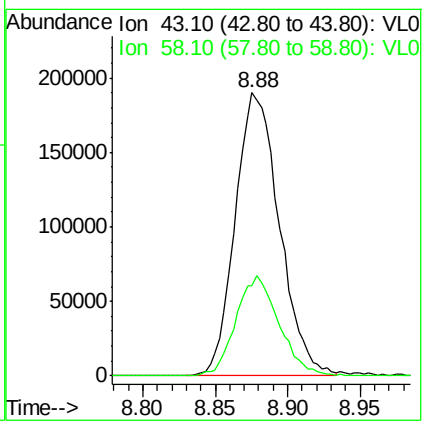


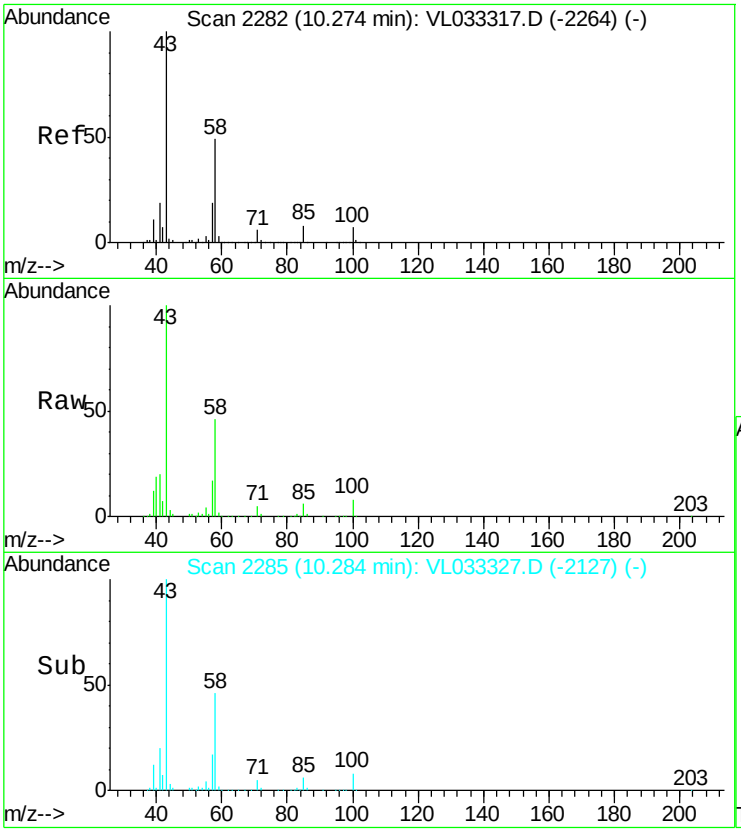




#50
4-Methyl-2-Pentanone
Concen: 2.103 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 43 Resp: 403688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.5 | 28.4 | 42.6 |



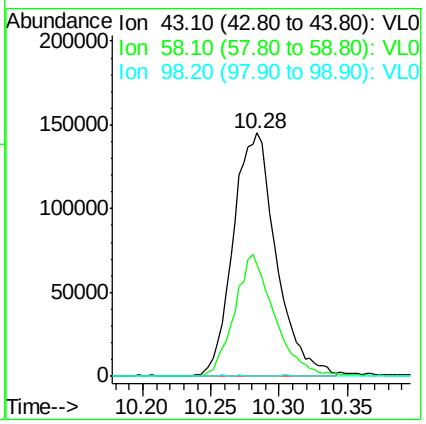


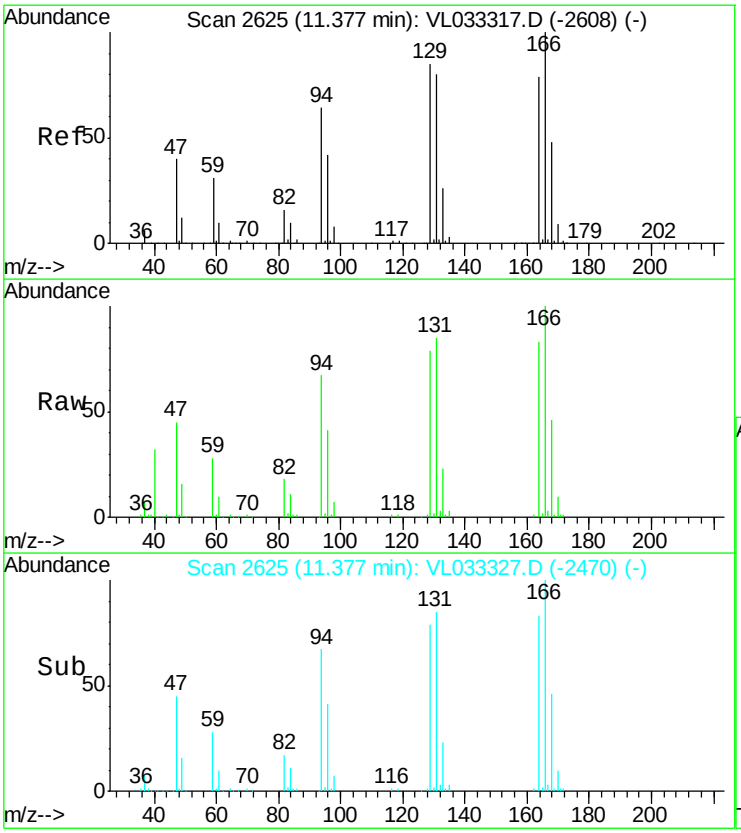

#51
2-Hexanone
Concen: 2.066 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 43 Resp: 315831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 47.3 | 38.0 | 57.0 |
| 98 | 0.2 | 0.1 | 0.1# |

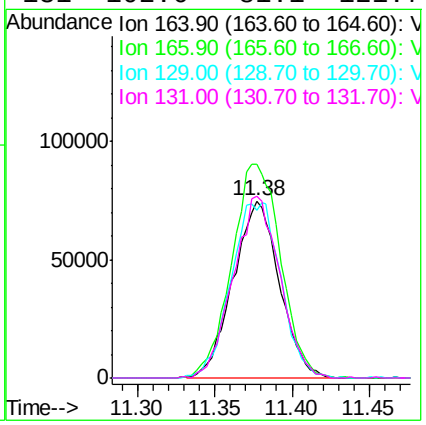


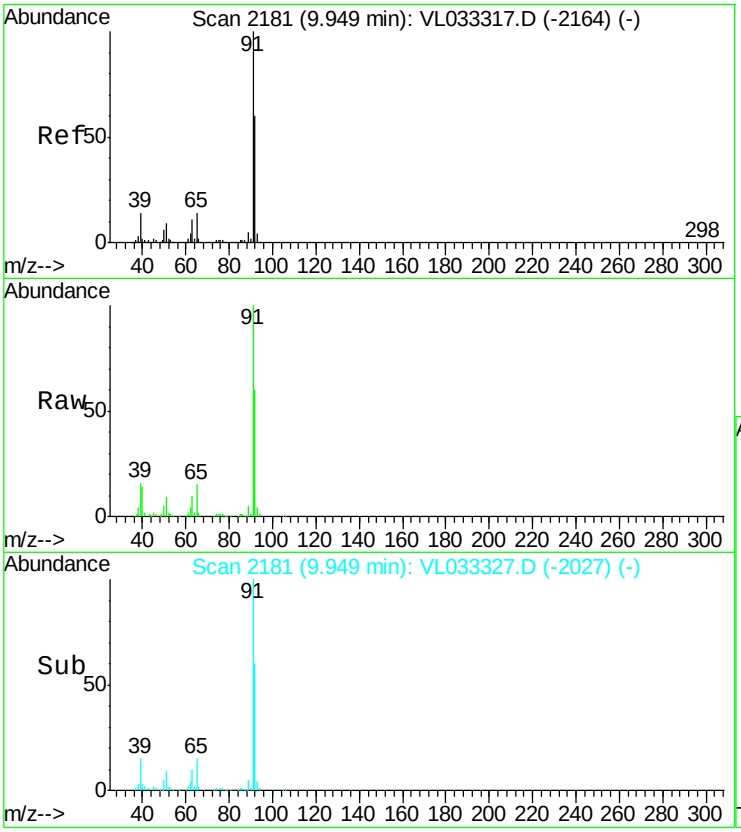




#52
Tetrachloroethene
Concen: 2.080 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:164 Resp: 155399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 120.2 | 101.5 | 152.3 |
| 129 | 95.1 | 82.2 | 123.2 |
| 131 | 102.6 | 81.1 | 121.7 |



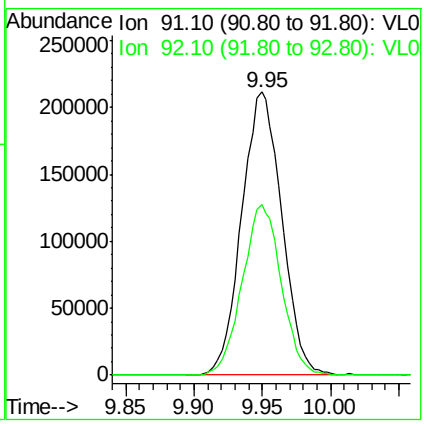


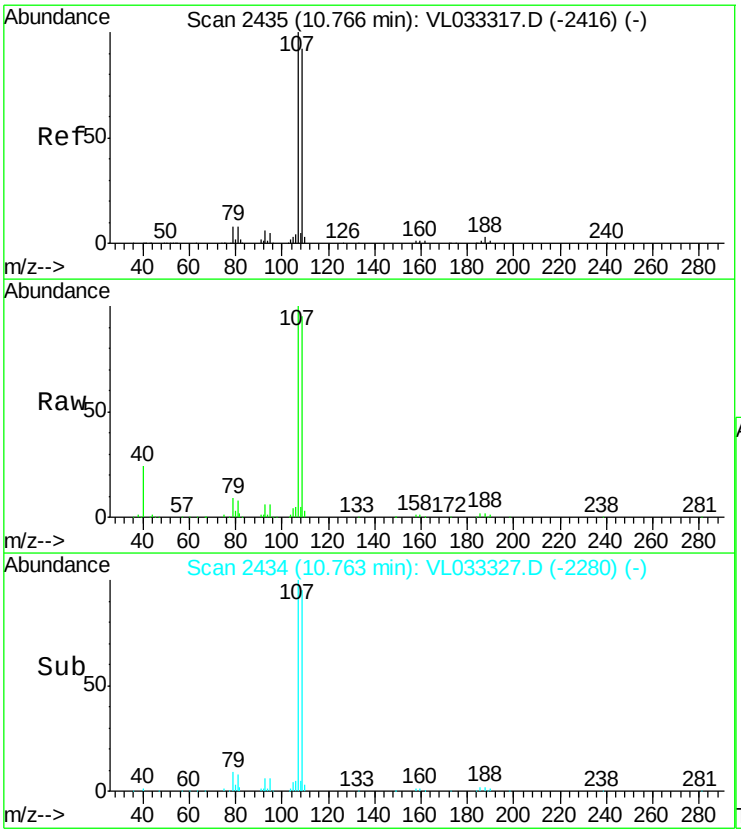

#53
Toluene
Concen: 2.047 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 91 Resp: 431810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.7 | 47.4 | 71.0 |

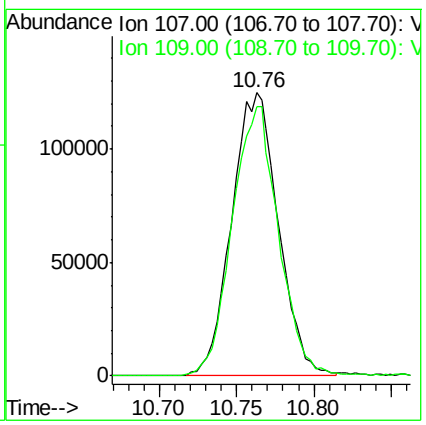


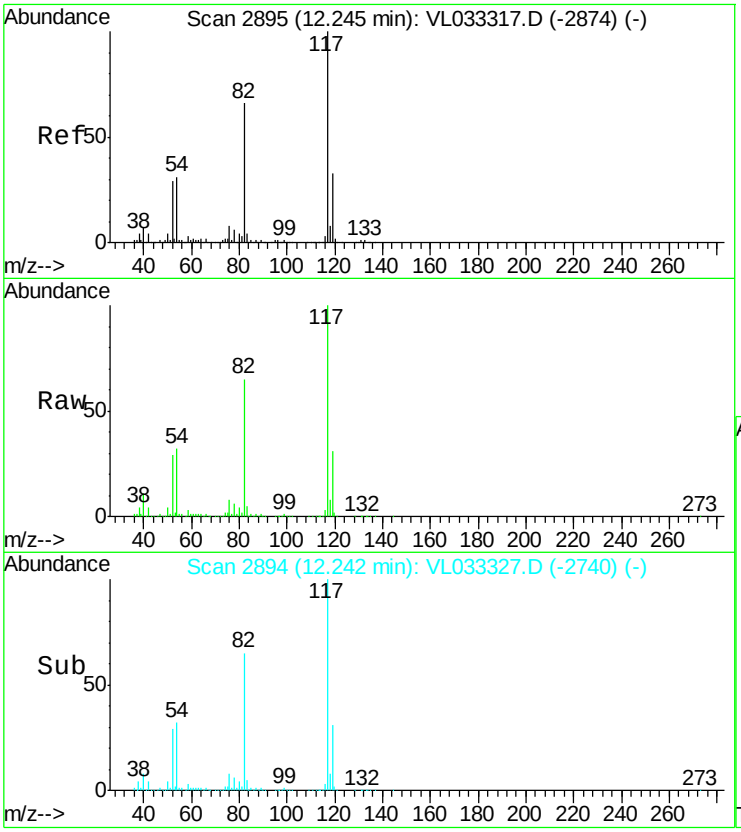




#54
1,2-Dibromoethane
Concen: 2.121 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:107 Resp: 261656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 77.2 | 115.8 |



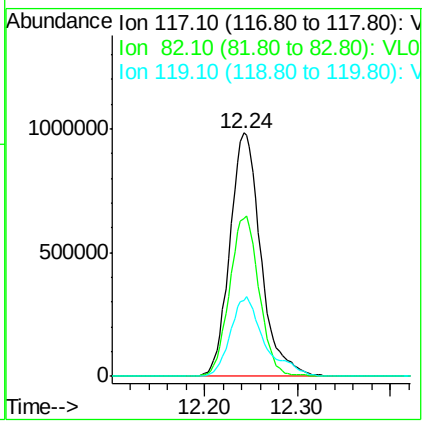


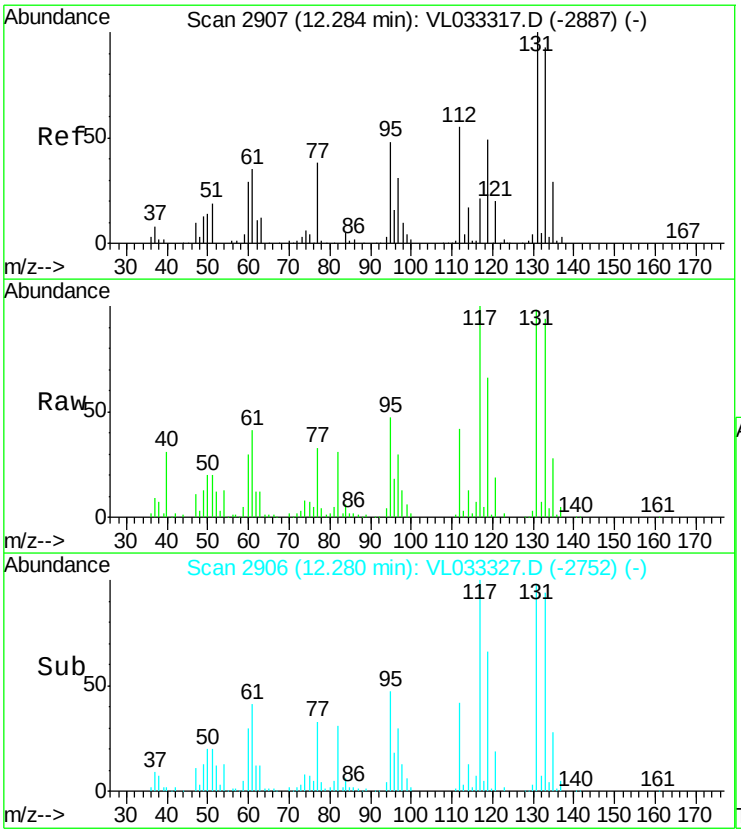

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:117 Resp: 2277876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 63.1 | 53.4 | 80.2 |
| 119 | 36.0 | 27.3 | 40.9 |

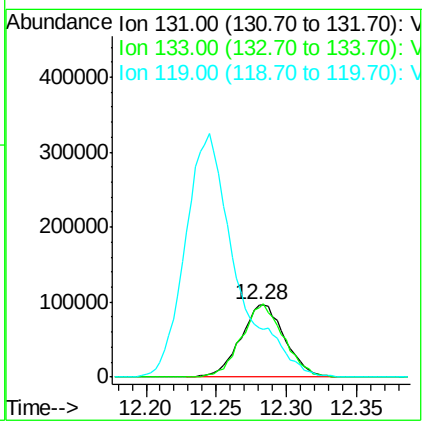


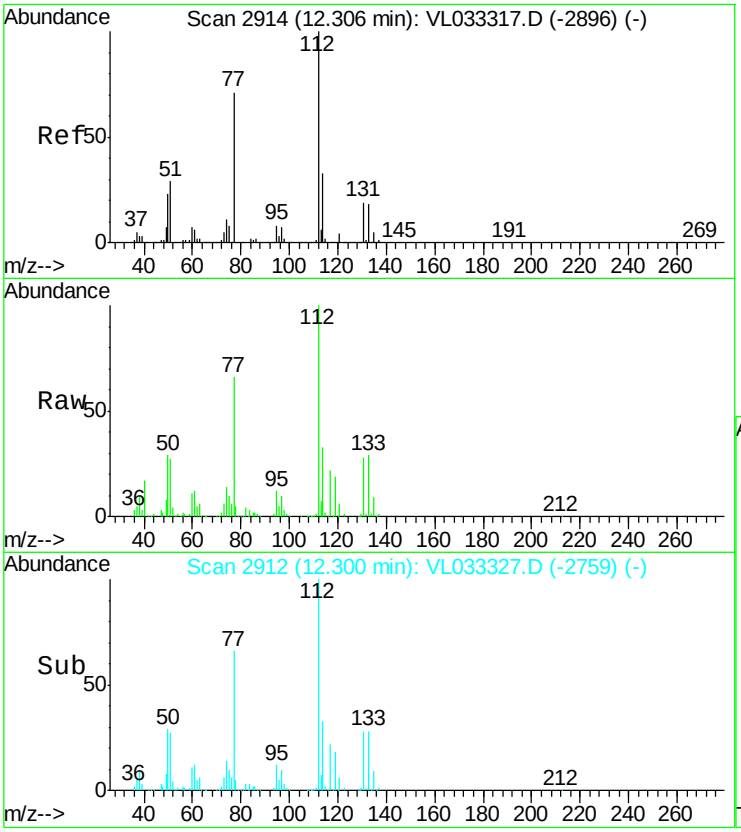




#56
1,1,1,2-Tetrachloroethane
Concen: 2.083 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:131 Resp: 212918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 76.7 | 115.1 |
| 119 | 385.0 | 40.3 | 60.5# |



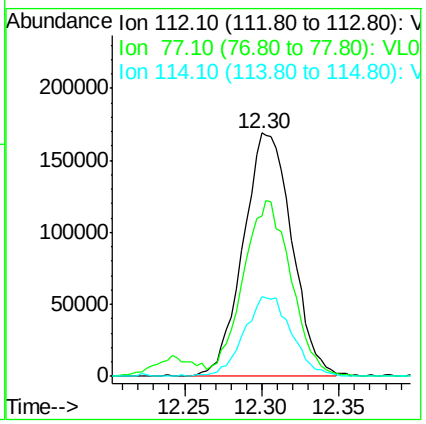


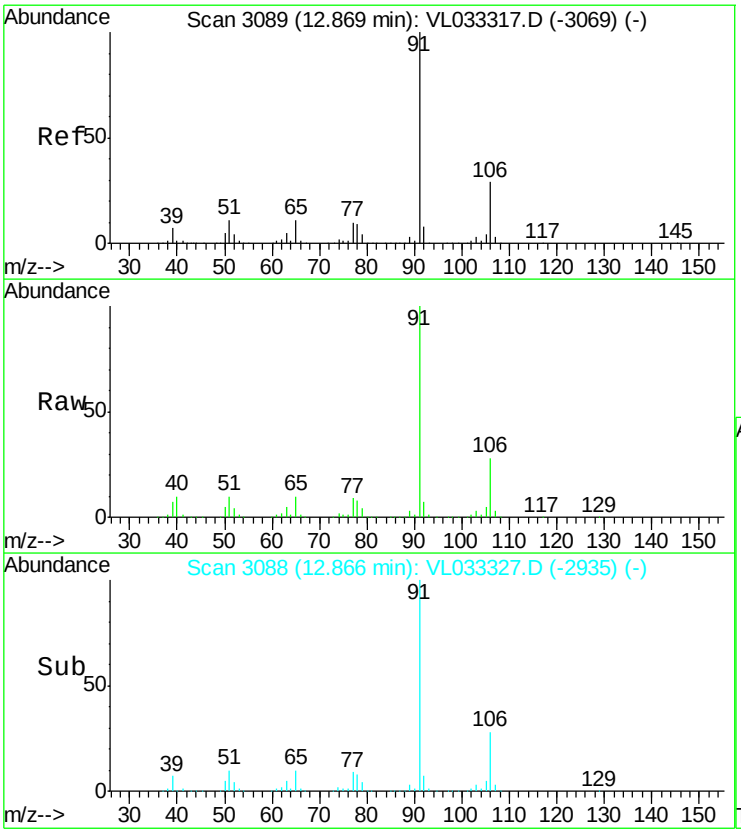

#57
Chlorobenzene
Concen: 2.035 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:112 Resp: 368182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 65.0 | 55.8 | 83.6 |
| 114 | 33.0 | 28.6 | 35.0 |

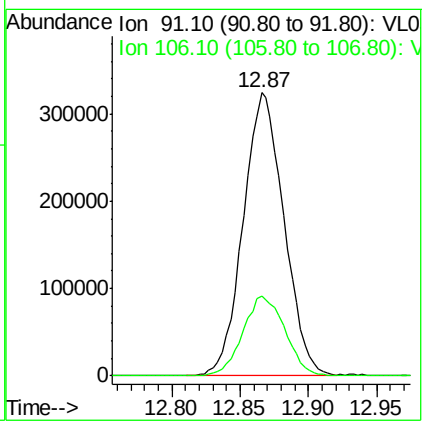


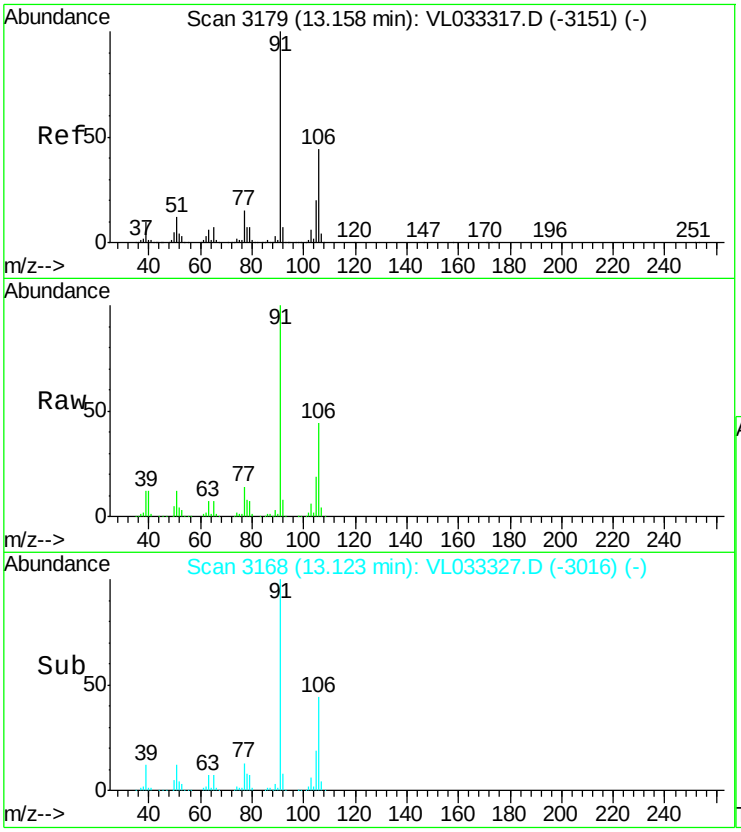




#58
Ethyl Benzene
Concen: 2.082 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 91 Resp: 671012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.4 | 24.2 | 36.2 |



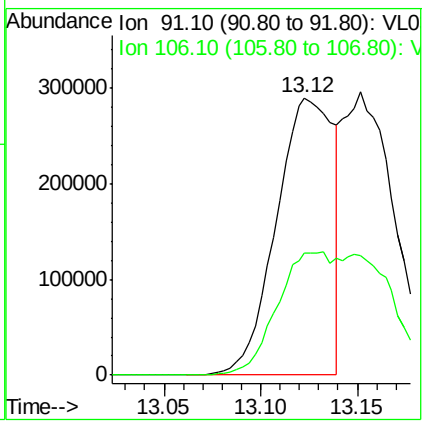


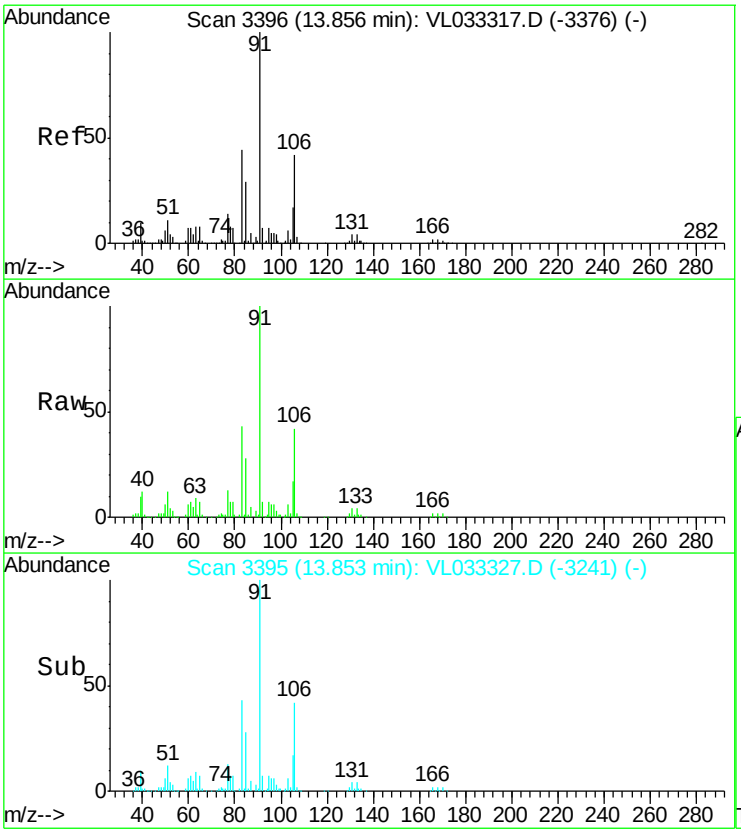

#59
m/p-Xylene
Concen: 2.161 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 91 Resp: 593238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 85.4 | 0.0 | 0.0# |

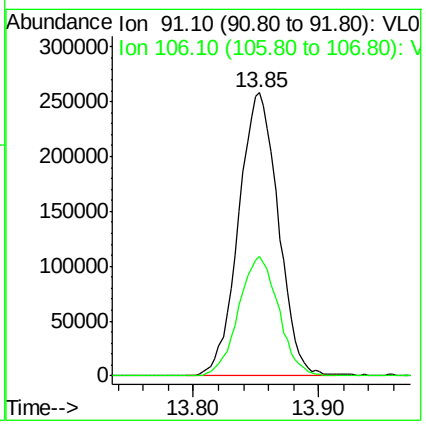


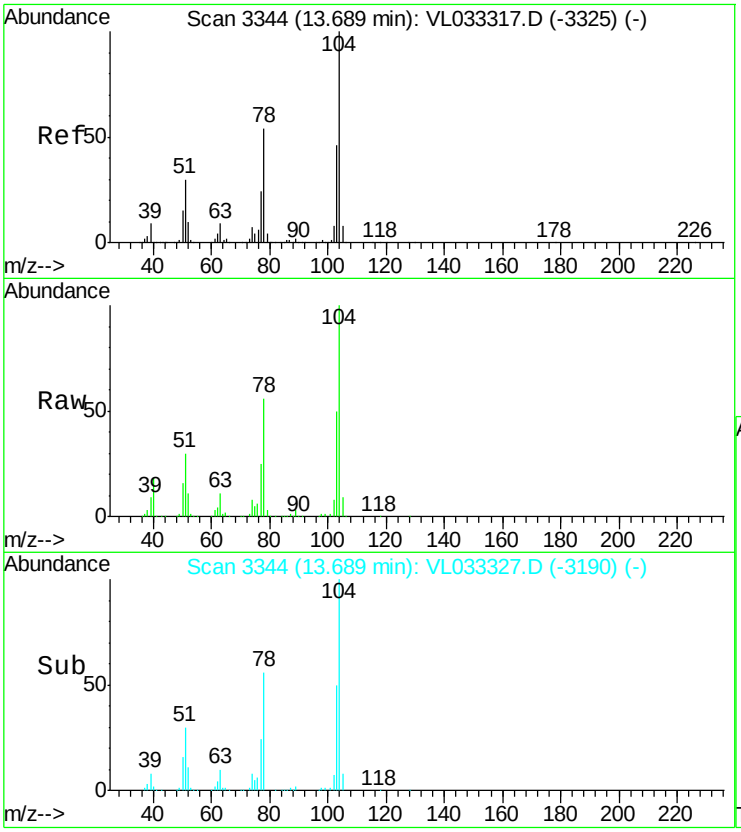




#60
o-Xylene
Concen: 2.110 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 91 Resp: 567510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 42.4 | 21.3 | 63.9 |



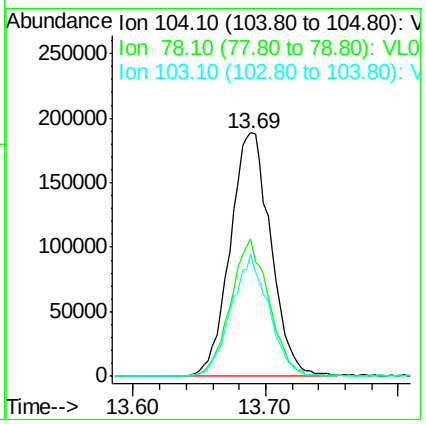


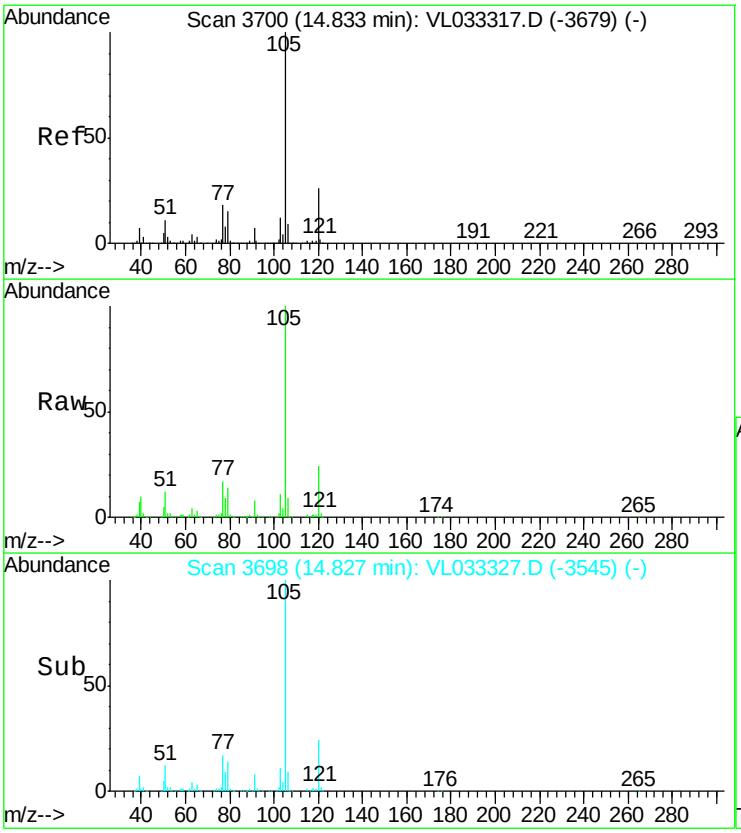

#61
Styrene
Concen: 2.124 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion:104 Resp: 398903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 42.7 | 64.1 |
| 103 | 46.8 | 38.0 | 57.0 |

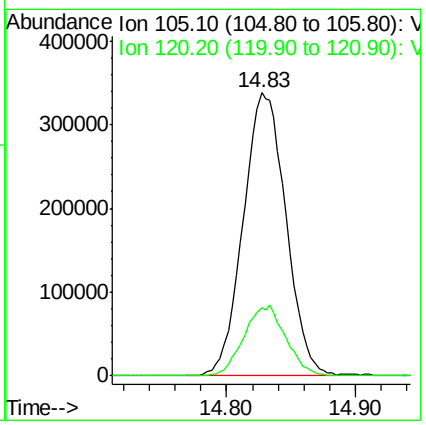


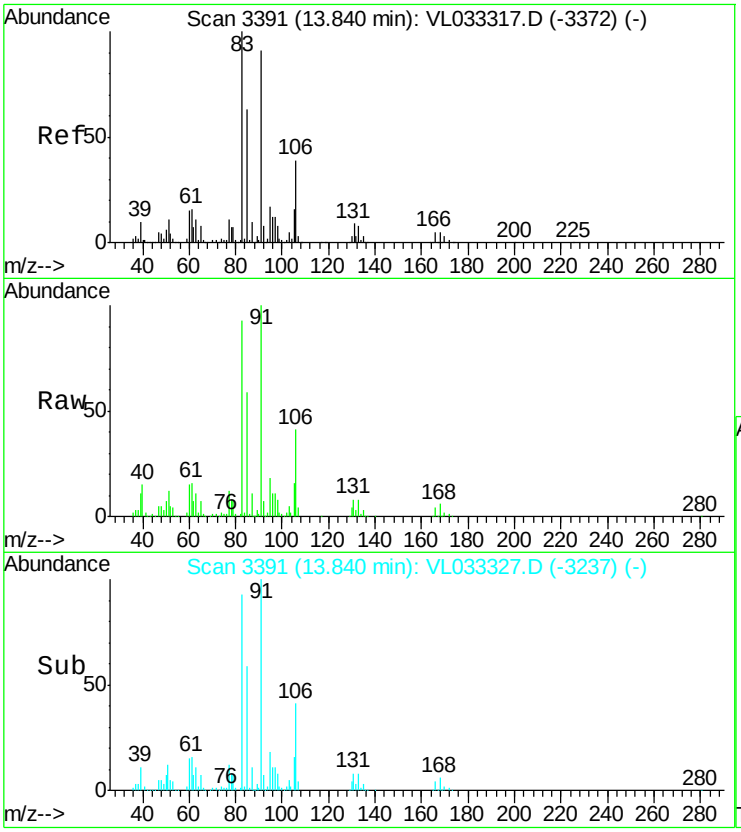




#62
Isopropylbenzene
Concen: 2.096 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:105 Resp: 779148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.5 | 19.9 | 29.9 |



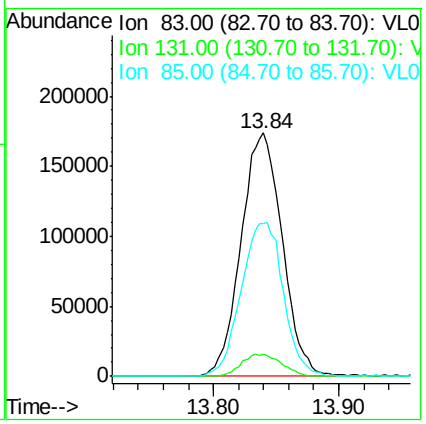


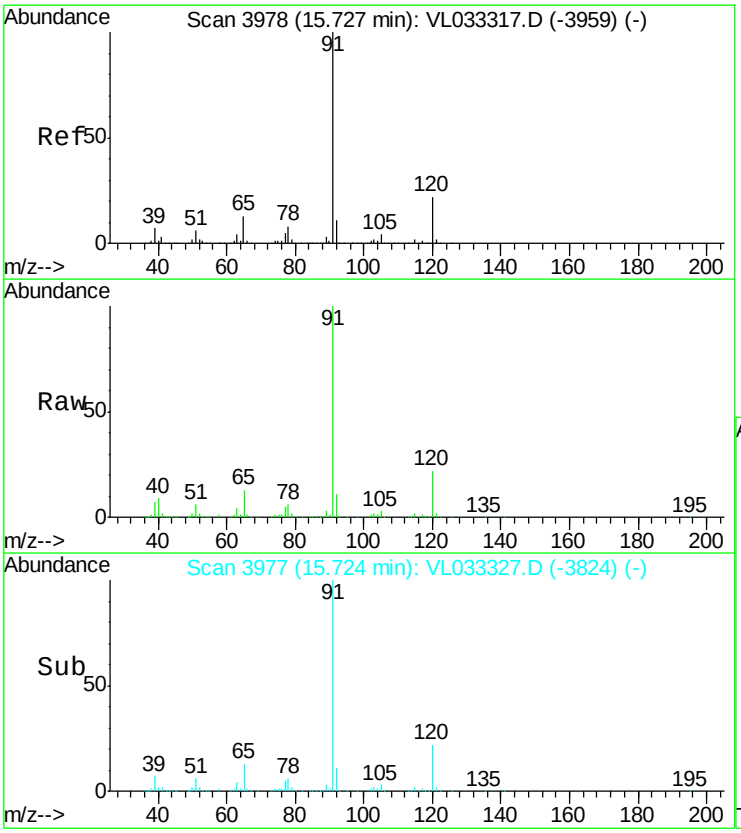

#63
1,1,2,2-Tetrachloroethane
Concen: 1.952 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion: 83 Resp: 396828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.0 | 4.7 | 14.0 |
| 85 | 64.7 | 32.5 | 97.4 |

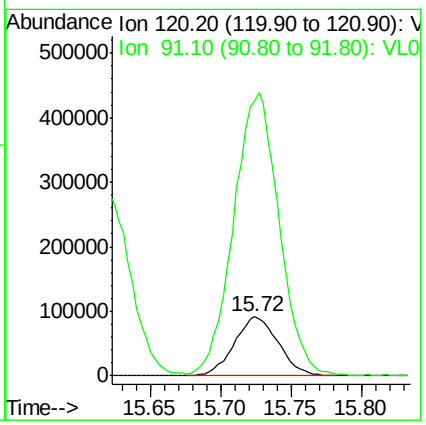


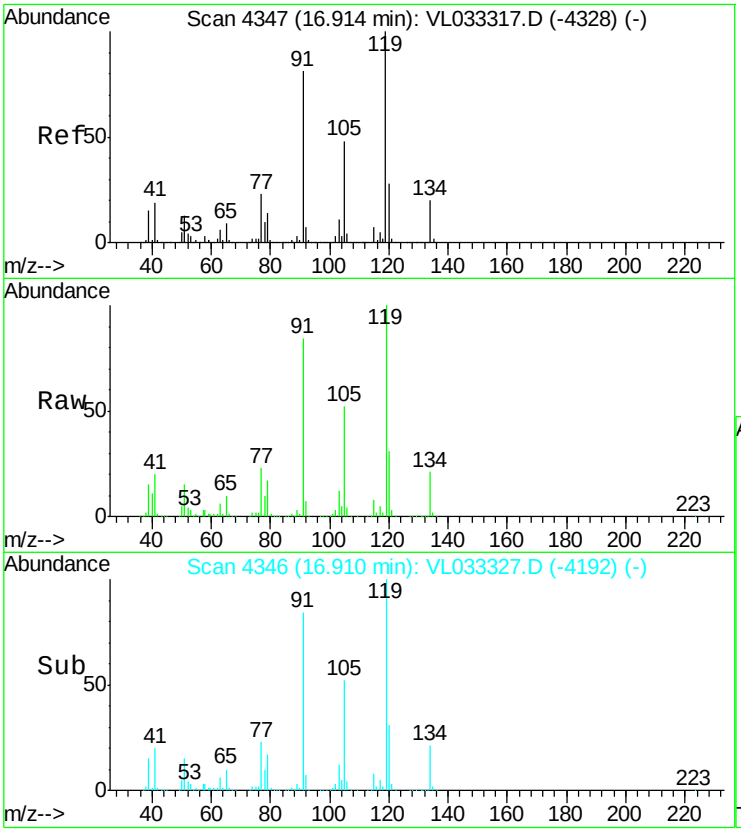




#64
n-propylbenzene
Concen: 2.130 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:120 Resp: 199821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 493.7 | 389.8 | 584.6 |



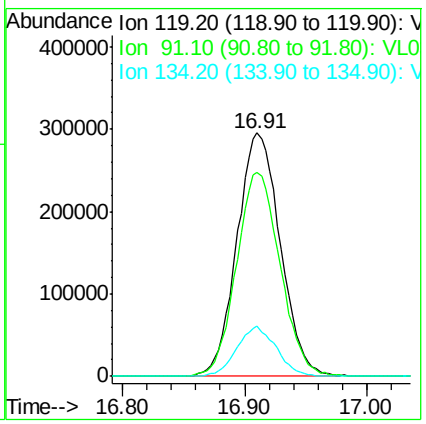


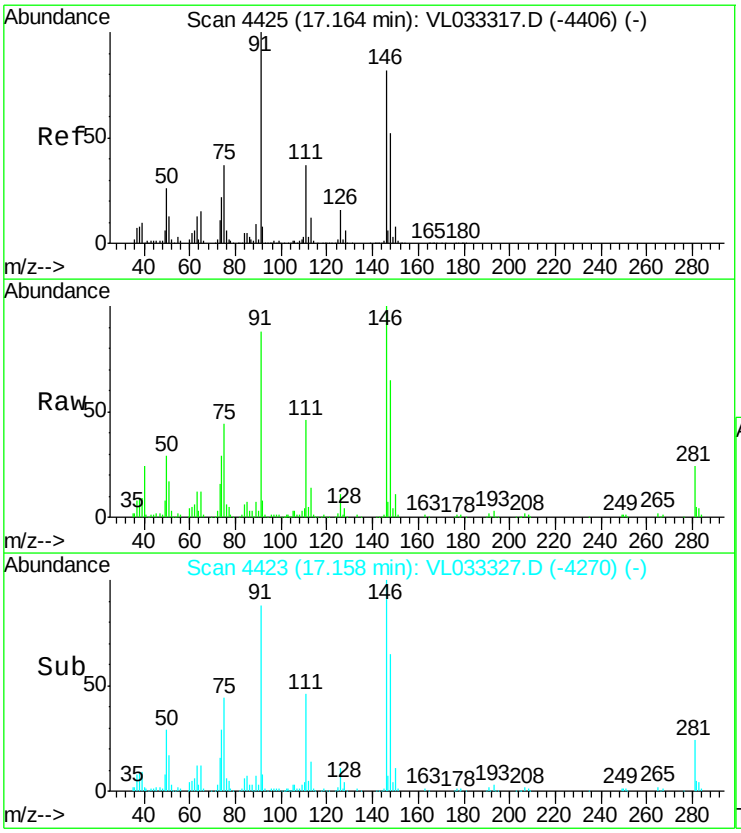

#65
tert-Butylbenzene
Concen: 2.114 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion:119 Resp: 724028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 84.4 | 67.2 | 100.8 |
| 134 | 18.8 | 15.4 | 23.2 |

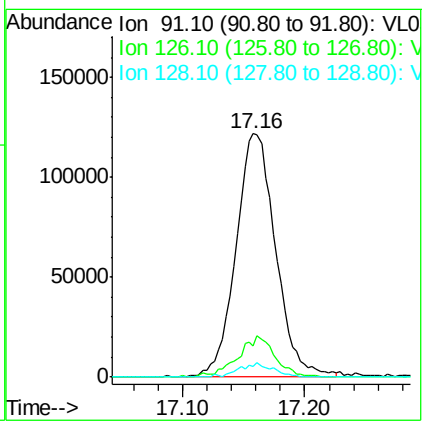


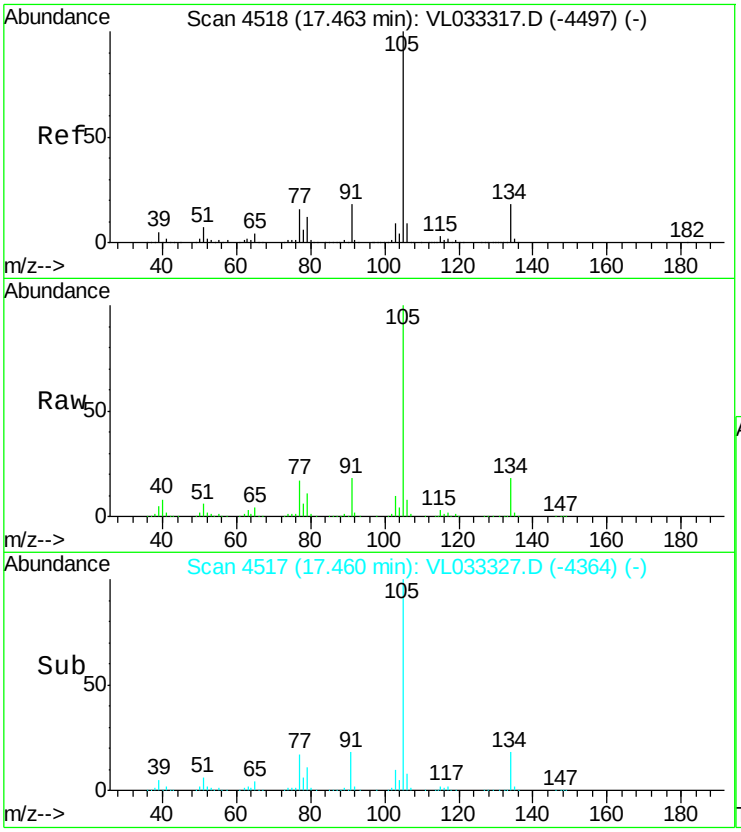




#66
Benzyl Chloride
Concen: 1.956 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 91 Resp: 273386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 15.8 | 13.2 | 19.8 |
| 128 | 5.1 | 4.2 | 6.4 |



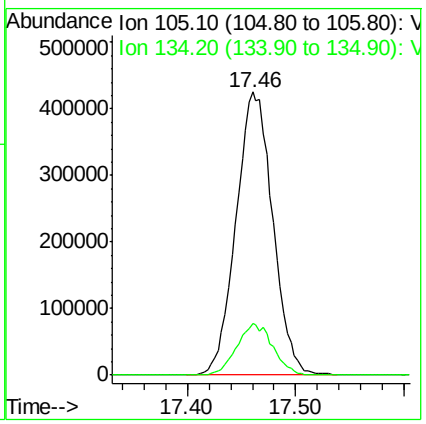


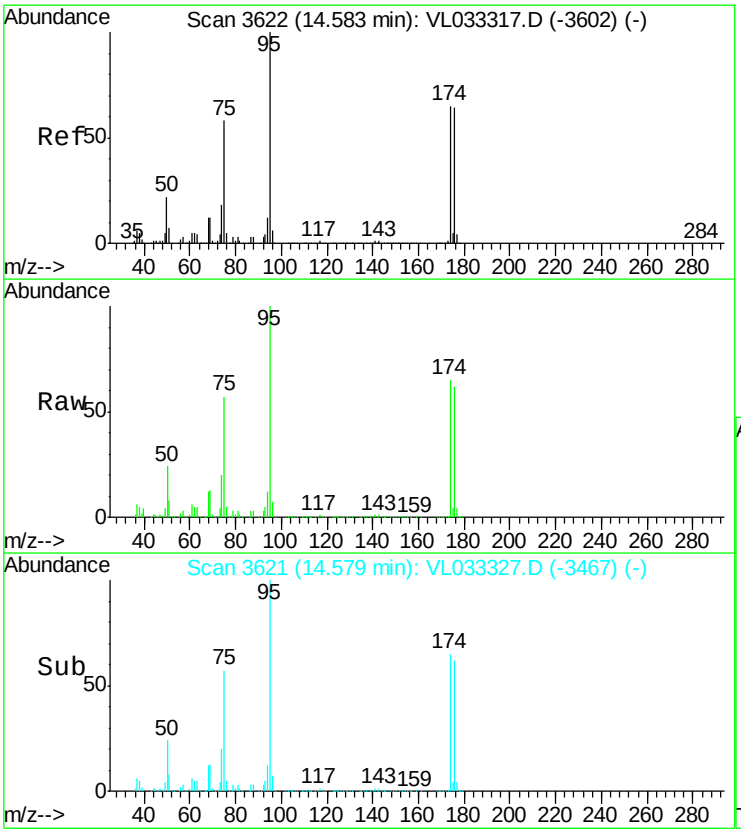

#67
sec-Butylbenzene
Concen: 2.052 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion:105 Resp: 1004563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.9 | 14.2 | 21.4 |

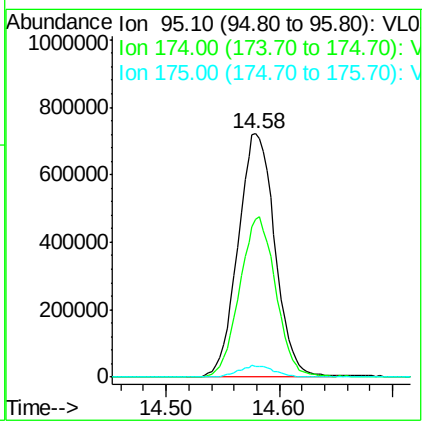


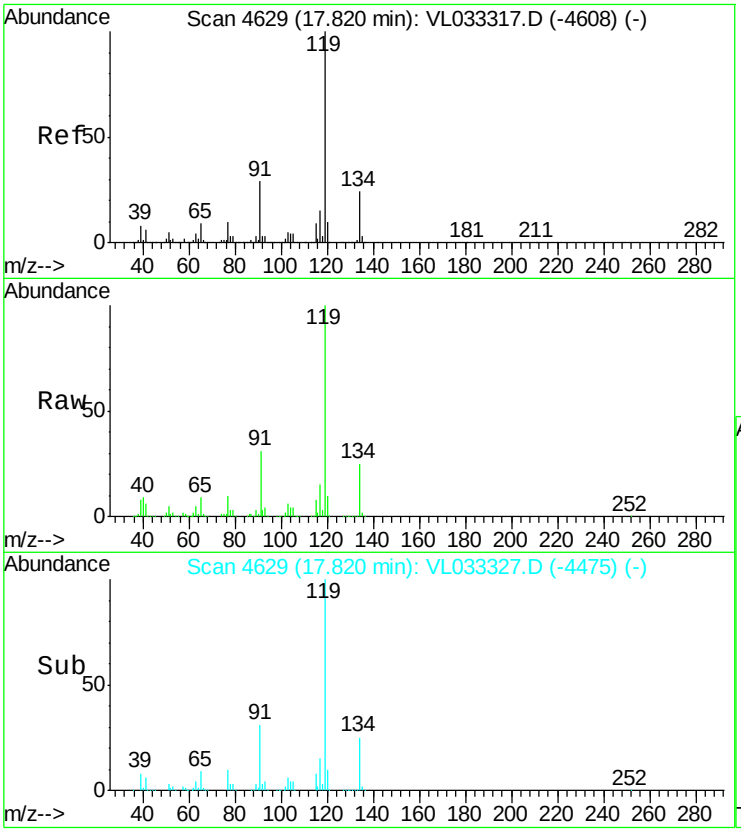




#68
1-Bromo-4-Fluorobenzene
Concen: 9.446 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 95 Resp: 1635456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.0 | 51.5 | 77.3 |
| 175 | 4.6 | 3.8 | 5.6 |



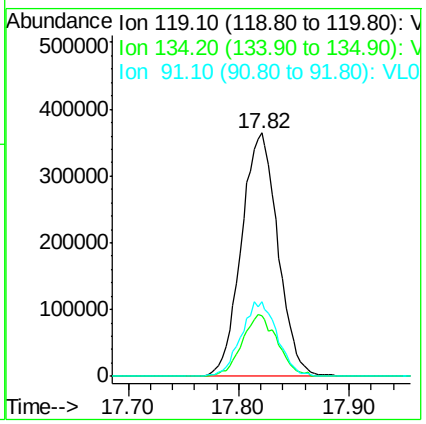


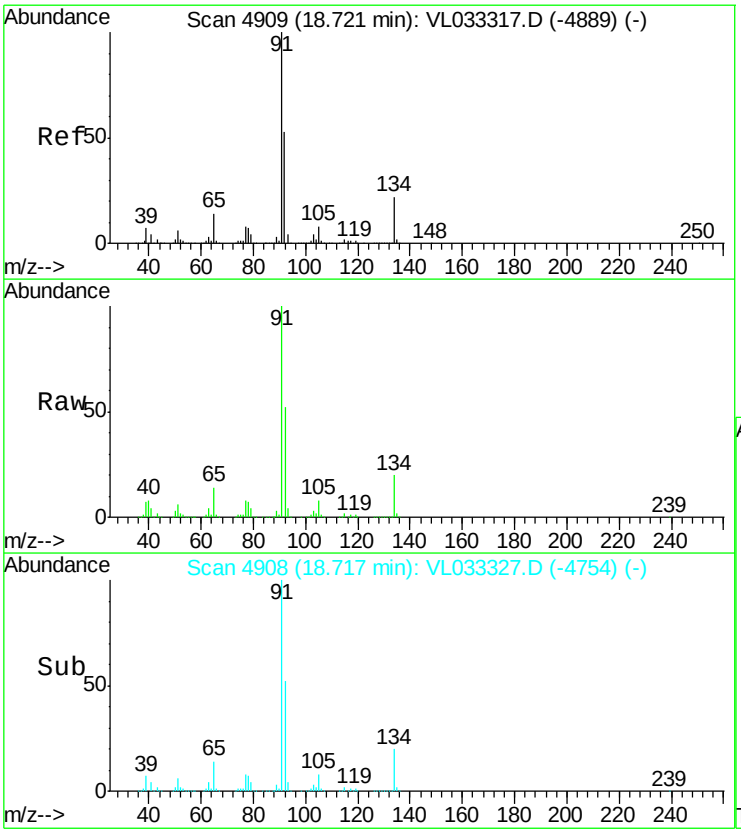

#69
p-Isopropyltoluene
Concen: 2.098 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:119 Resp: 835823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.7 | 19.8 | 29.6 |
| 91 | 30.6 | 23.4 | 35.2 |

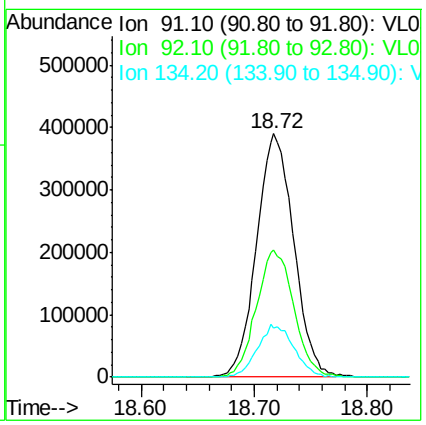


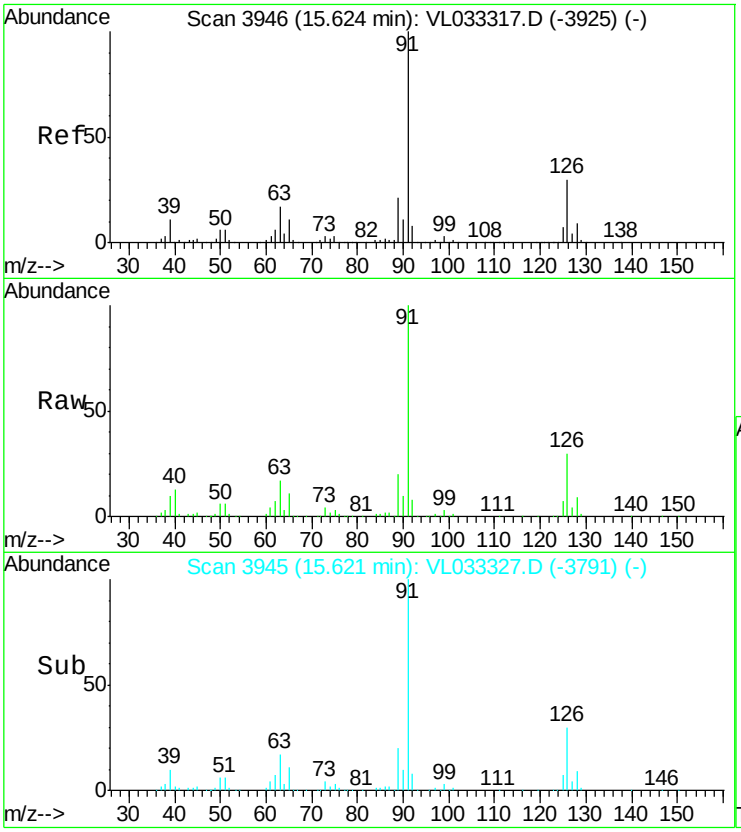




#70
n-Butylbenzene
Concen: 2.088 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion: 91 Resp: 888630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 42.8 | 64.2 |
| 134 | 21.0 | 17.4 | 26.0 |



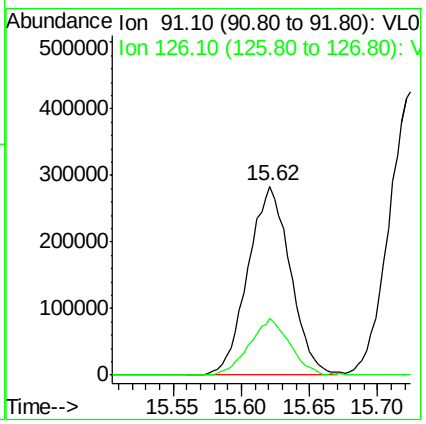


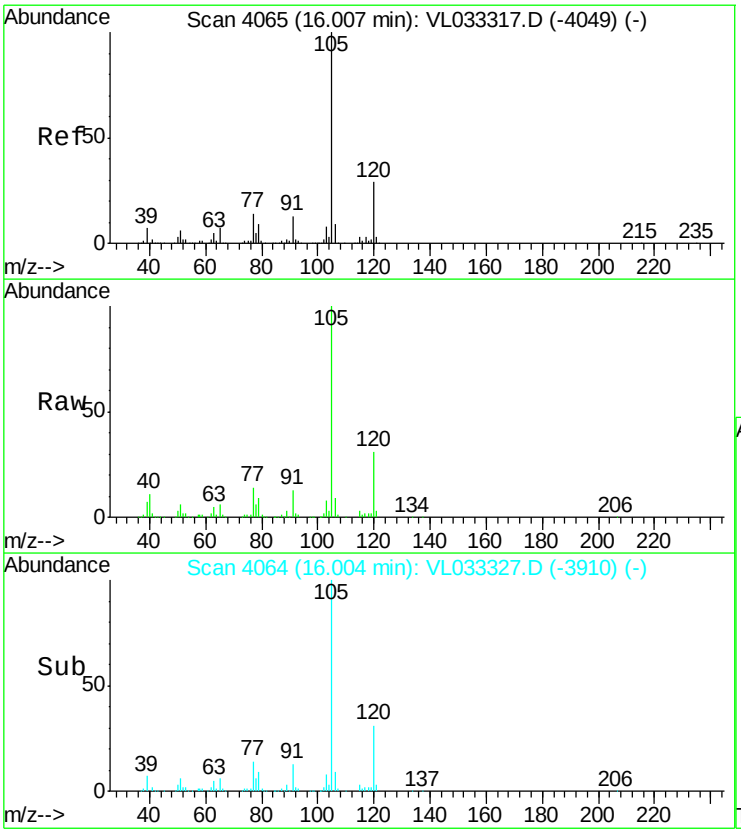

#71
2-Chlorotoluene
Concen: 2.066 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC002

Tgt Ion: 91 Resp: 611525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 11.6 | 46.6 |

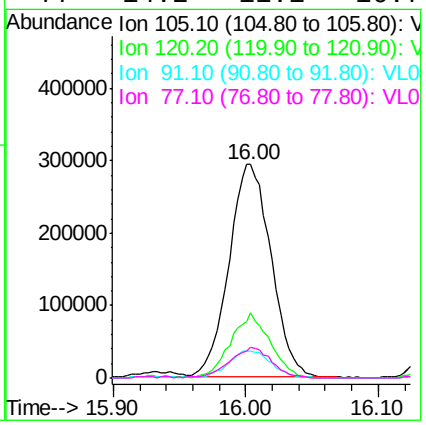


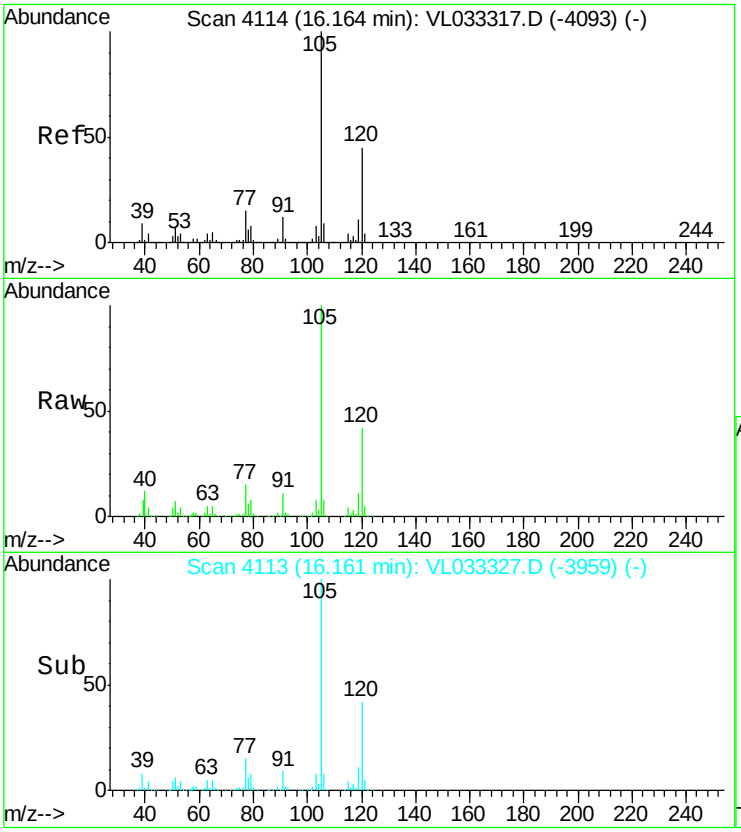




#72
4-Ethyltoluene
Concen: 2.111 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:105 Resp: 647889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.6 | 22.9 | 34.3 |
| 91 | 13.0 | 10.2 | 15.2 |
| 77 | 14.2 | 11.1 | 16.7 |



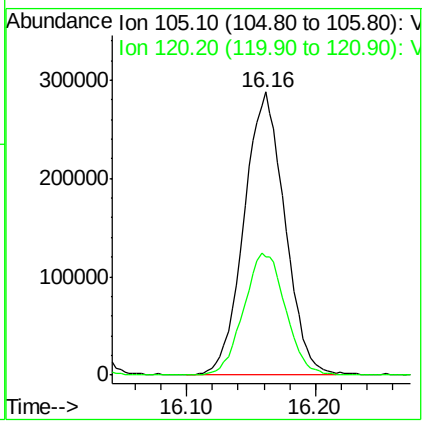


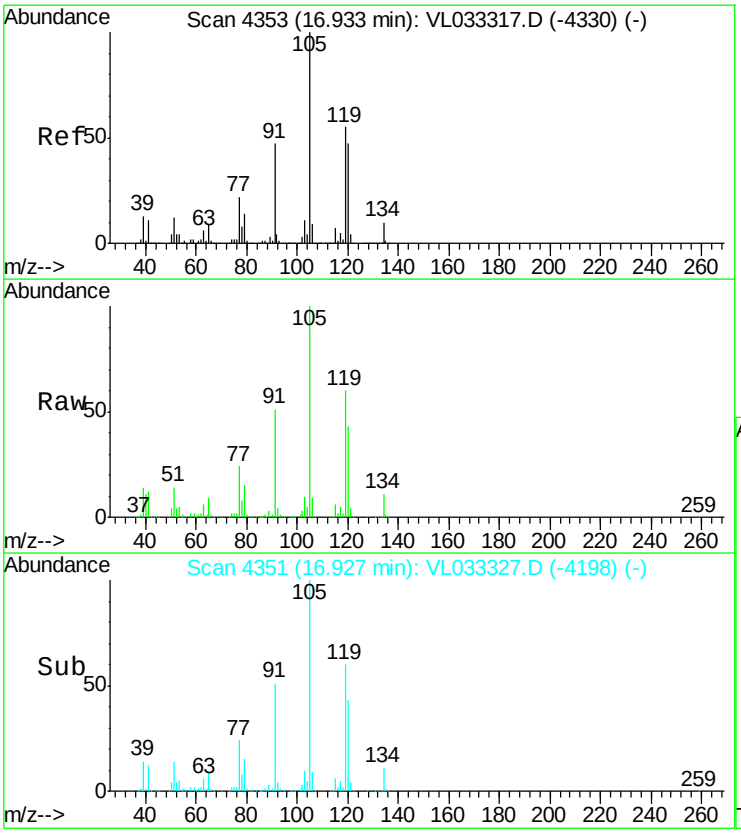

#73
1,3,5-Trimethylbenzene
Concen: 2.090 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:105 Resp: 635126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.7 | 36.2 | 54.4 |

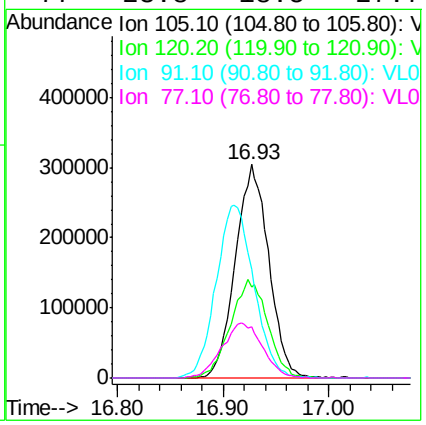


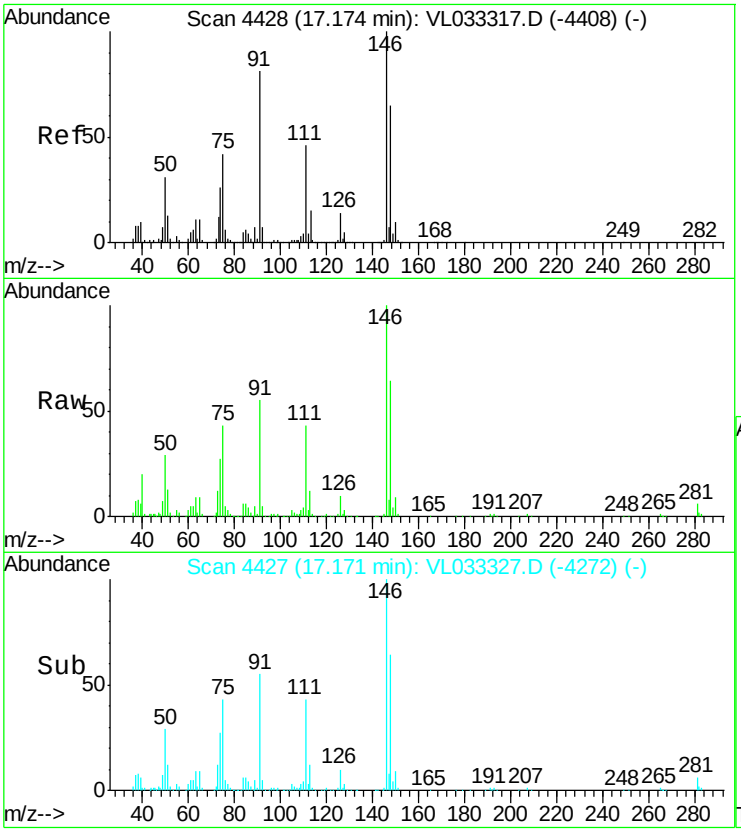




#74
1,2,4-Trimethylbenzene
Concen: 2.094 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:105 Resp: 669687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 37.4 | 56.2 |
| 91 | 50.7 | 41.0 | 61.4 |
| 77 | 23.8 | 18.5 | 27.7 |



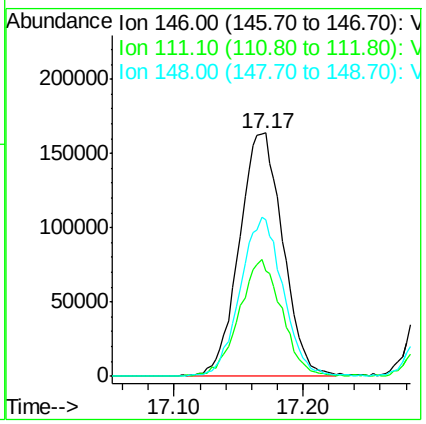


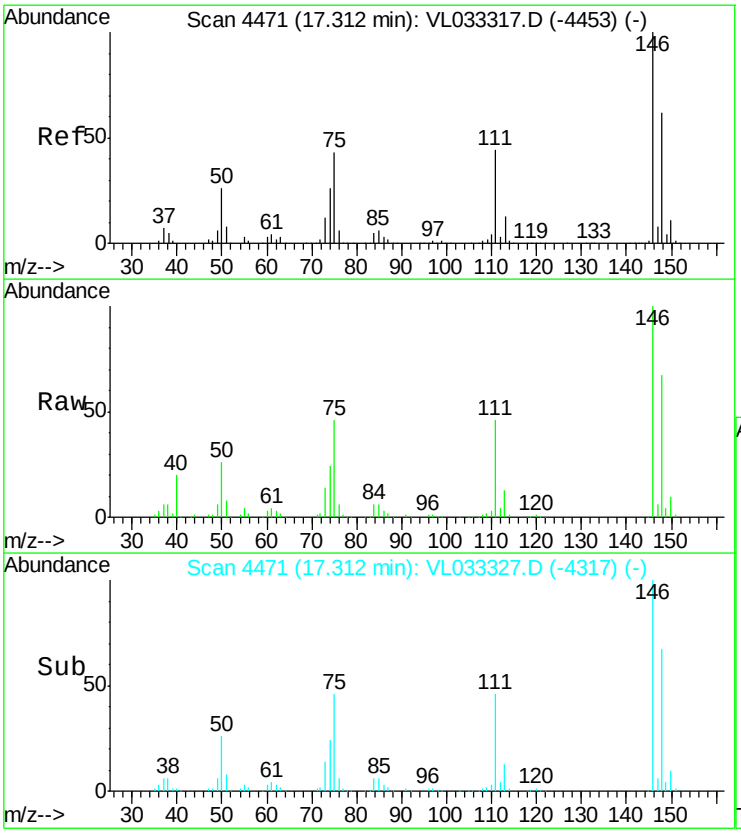

#75
1,3-Dichlorobenzene
Concen: 2.071 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:146 Resp: 385207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.2 | 22.8 | 68.3 |
| 148 | 64.6 | 31.9 | 95.7 |

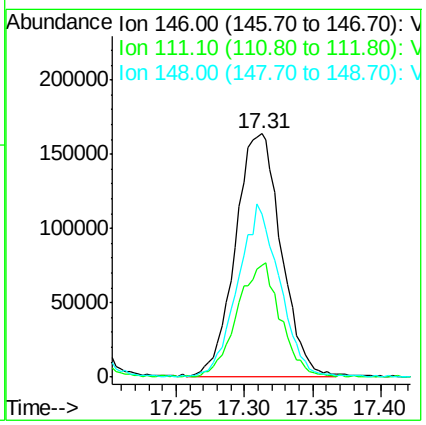


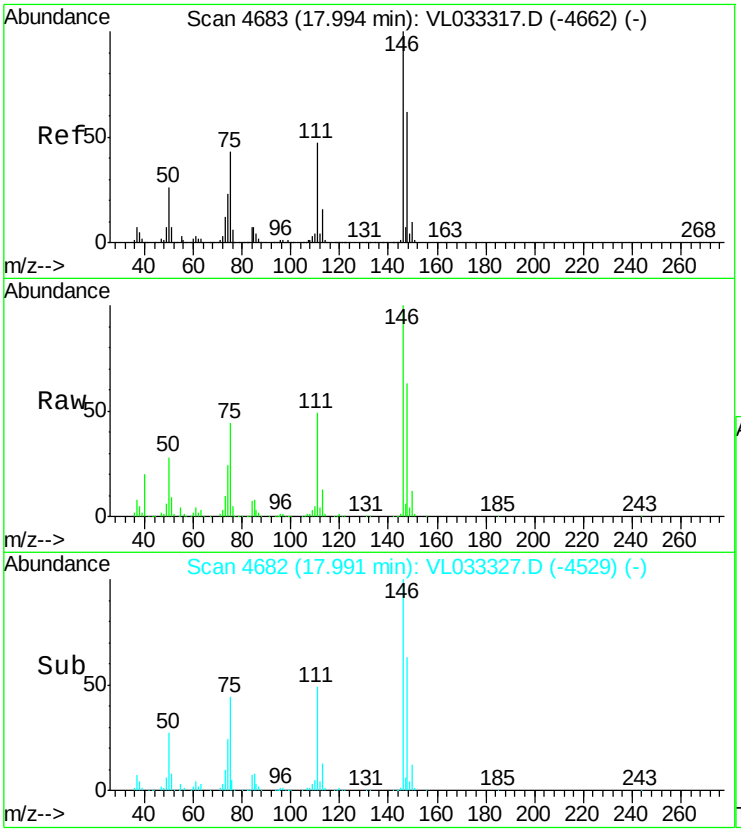




#76
1,4-Dichlorobenzene
Concen: 2.065 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:146 Resp: 378361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.3 | 21.9 | 65.7 |
| 148 | 66.2 | 32.1 | 96.5 |



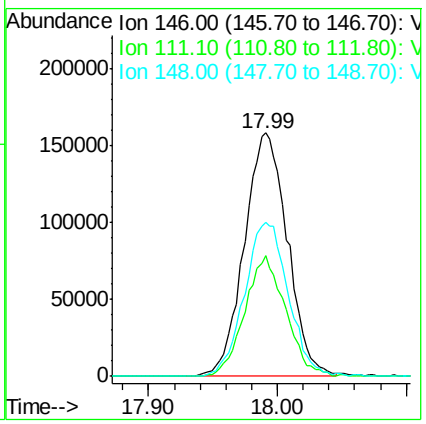


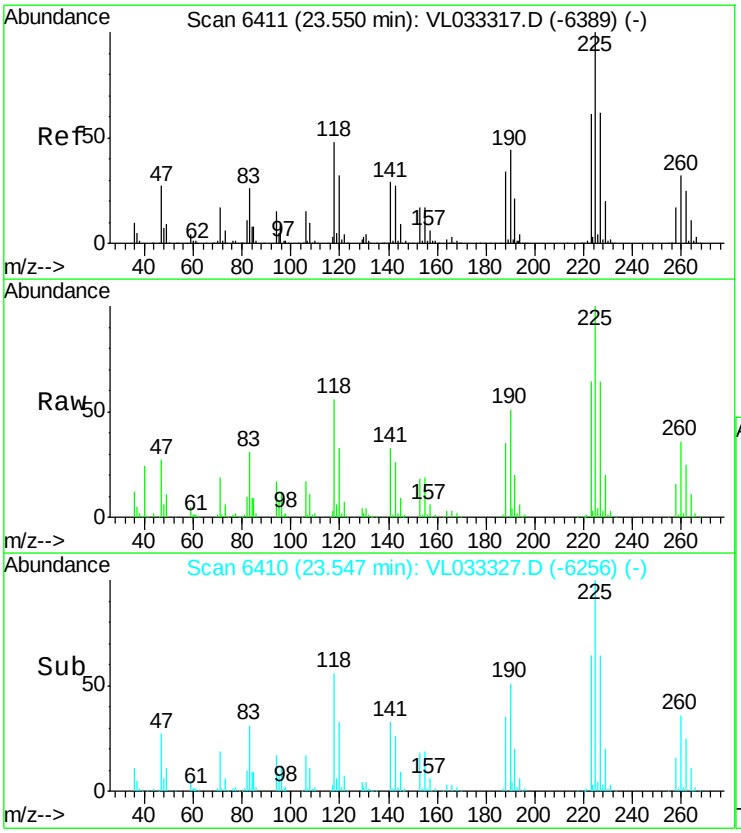

#77
1,2-Dichlorobenzene
Concen: 2.044 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:146 Resp: 368017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.3 | 23.5 | 70.6 |
| 148 | 64.5 | 31.9 | 95.9 |

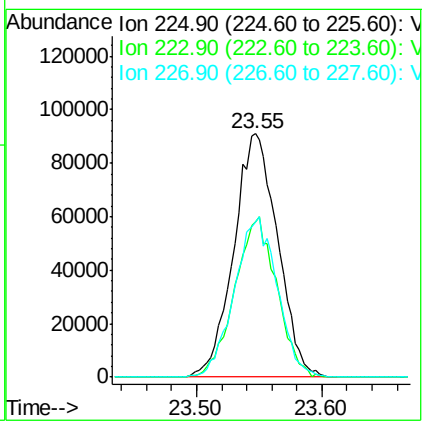


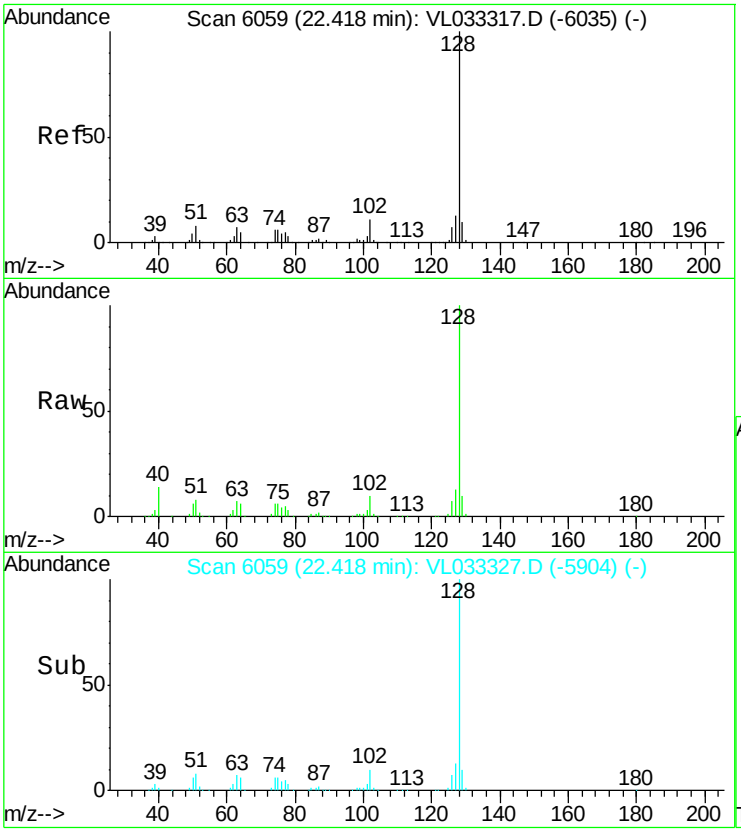




#78
Hexachloro-1,3-Butadiene
Concen: 2.038 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:225 Resp: 220765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.7 | 50.4 | 75.6 |
| 227 | 64.0 | 50.5 | 75.7 |



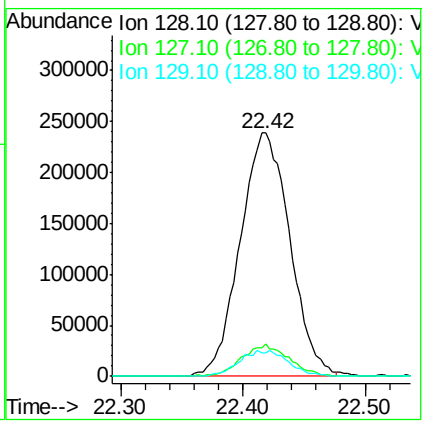


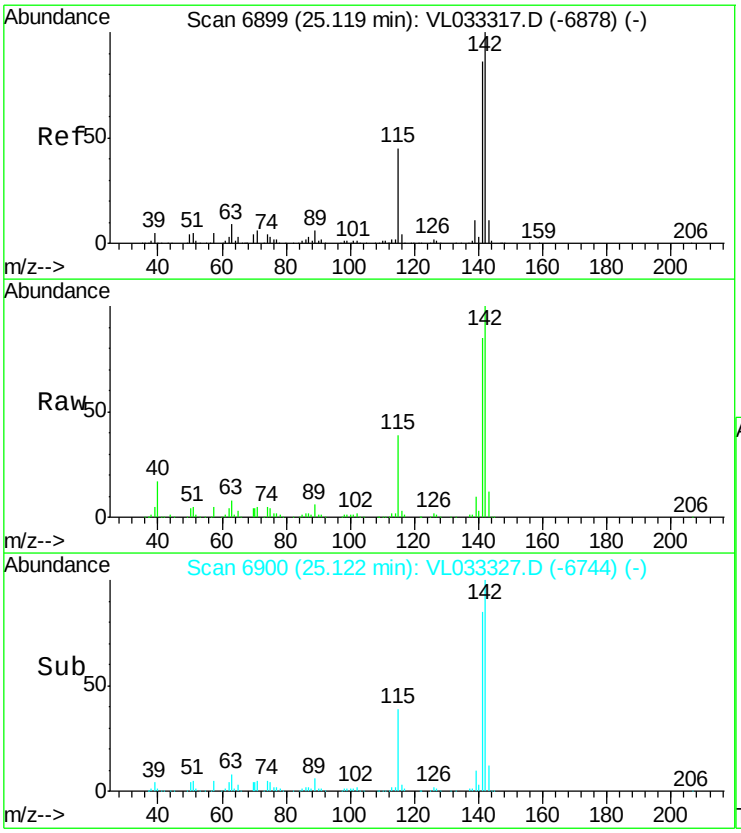

#79
Naphthalene
Concen: 2.140 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:128 Resp: 668569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.5 | 10.1 | 15.1 |
| 129 | 9.6 | 8.2 | 12.2 |

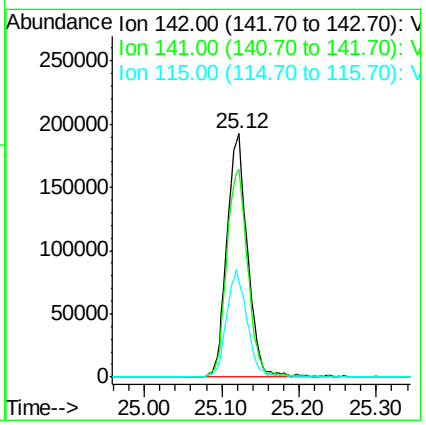


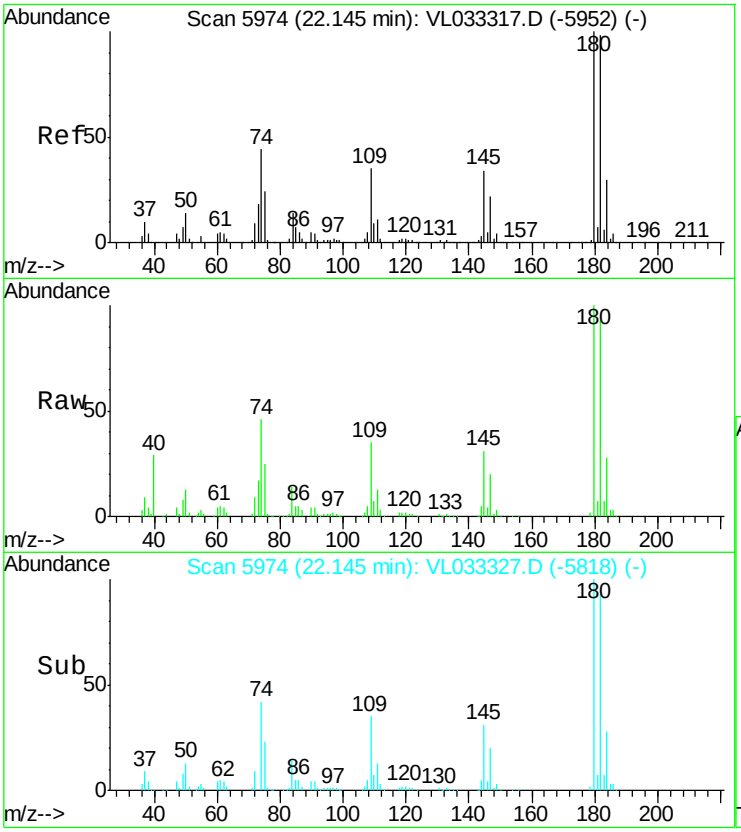




#80
Naphthalene,2-methyl-
Concen: 2.344 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

Tgt Ion:142 Resp: 353057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.9 | 67.1 | 100.7 |
| 115 | 43.6 | 33.8 | 50.6 |






#81
1,2,4-Trichlorobenzene
Concen: 2.120 ppbv
RT: 22.14 min Scan# 5974
Delta R.T. 0.00 min
Lab File: VL033327.D
Acq: 15 Mar 2019 11:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC002

Tgt Ion:180 Resp: 343421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 76.1 | 114.1 |
| 184 | 30.0 | 24.6 | 37.0 |