Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

Quantitation Report (Not Reviewed)

Data File : VL034746.D
Acq On : 28 Feb 2020 21:06
Operator : SY/AP
Sample : L1661-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Quant Time: Mar 02 04:36:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.66 | 49 | 1026912 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 2129783 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.11 | 117 | 2134569 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.45 | 95 | 1775871 | 10.15 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 101.50% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.01 | 85 | 10002 | 0.062 | ppbv # | 86 |
| 3) Chlorodifluoromethane | 2.93 | 51 | 889632 | 8.027 | ppbv # | 58 |
| 4) Chloromethane | 3.11 | 50 | 2886 | 0.047 | ppbv # | 45 |
| 9) Propene | 2.97 | 41 | 1307 | 0.028 | ppbv # | 15 |
| 10) Heptane | 8.14 | 43 | 3658 | 0.031 | ppbv # | 26 |
| 13) Ethanol | 3.58 | 45 | 242448 | 16.567 | ppbv | 99 |
| 15) Acetone | 3.83 | 43 | 245121 | 2.095 | ppbv | 100 |
| 17) tert-Butyl alcohol | 4.29 | 59 | 30233 | 0.337 | ppbv # | 71 |
| 19) Isopropyl Alcohol | 3.95 | 45 | 448454 | 6.434 | ppbv # | 99 |
| 20) Methylene Chloride | 4.33 | 84 | 43814 | 1.007 | ppbv | 96 |
| 23) Vinyl Acetate | 5.06 | 43 | 4264 | 0.027 | ppbv # | 82 |
| 25) Ethyl Acetate | 5.68 | 43 | 19590 | 0.095 | ppbv # | 89 |
| 26) Hexane | 5.68 | 57 | 20910 | 0.219 | ppbv # | 51 |
| 27) Carbon Disulfide | 4.95 | 76 | 48301 | 0.446 | ppbv # | 92 |
| 29) Chloroform | 5.75 | 83 | 5965 | 0.039 | ppbv | 89 |
| 34) 2-Butanone | 5.24 | 43 | 19000 | 0.142 | ppbv # | 53 |
| 38) Trichloroethene | 7.85 | 130 | 14920 | 0.210 | ppbv | 96 |
| 39) 1,2-Dichloropropane | 7.19 | 63 | 610671 | 8.344 | ppbv # | 24 |
| 53) Toluene | 9.83 | 91 | 58282 | 0.298 | ppbv | 98 |
| 58) Ethyl Benzene | 12.74 | 91 | 10686 | 0.041 | ppbv | 90 |
| 59) m/p-Xylene | 13.03 | 91 | 6761 | 0.030 | ppbv # | 32 |

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

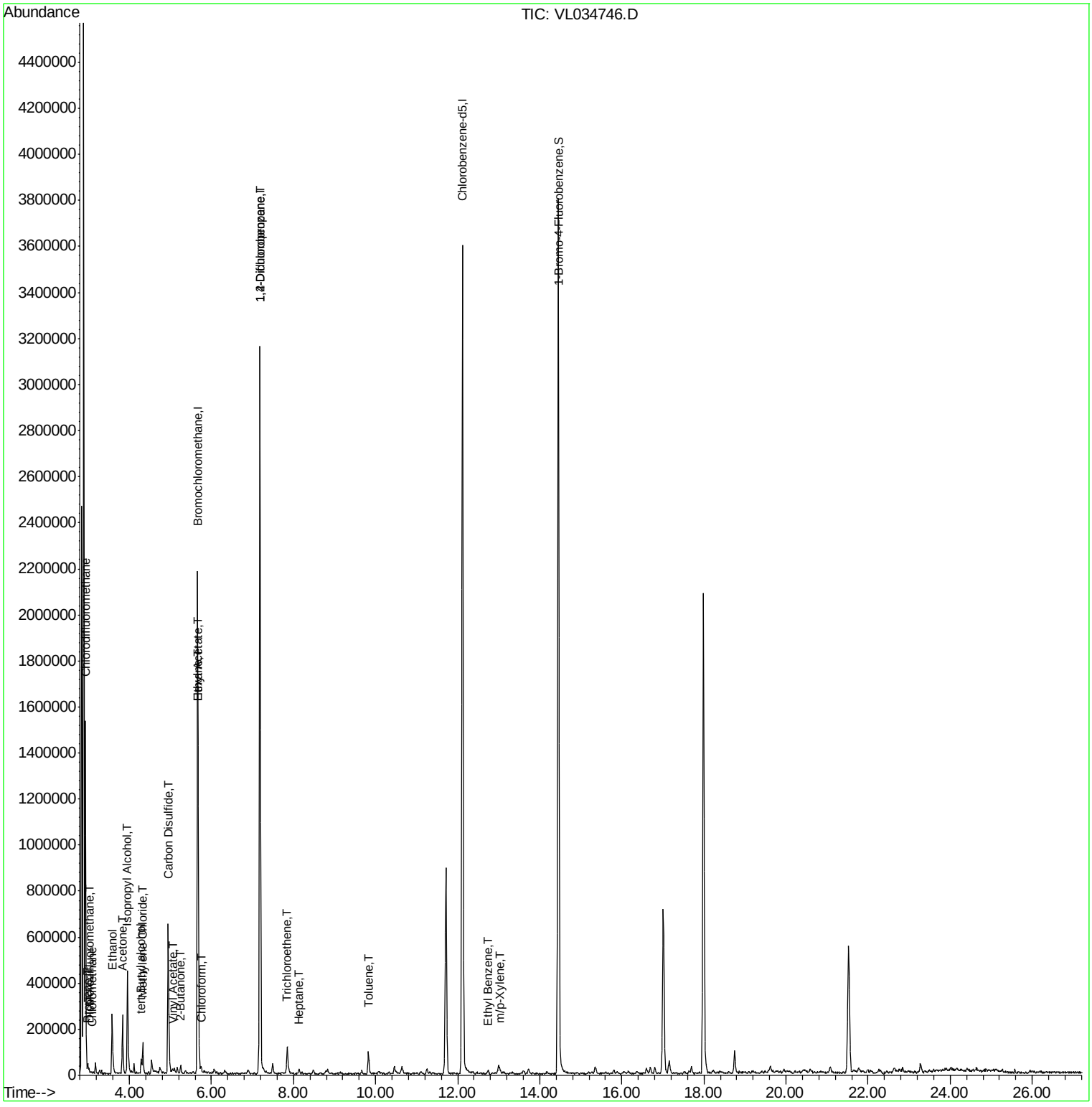
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022820\

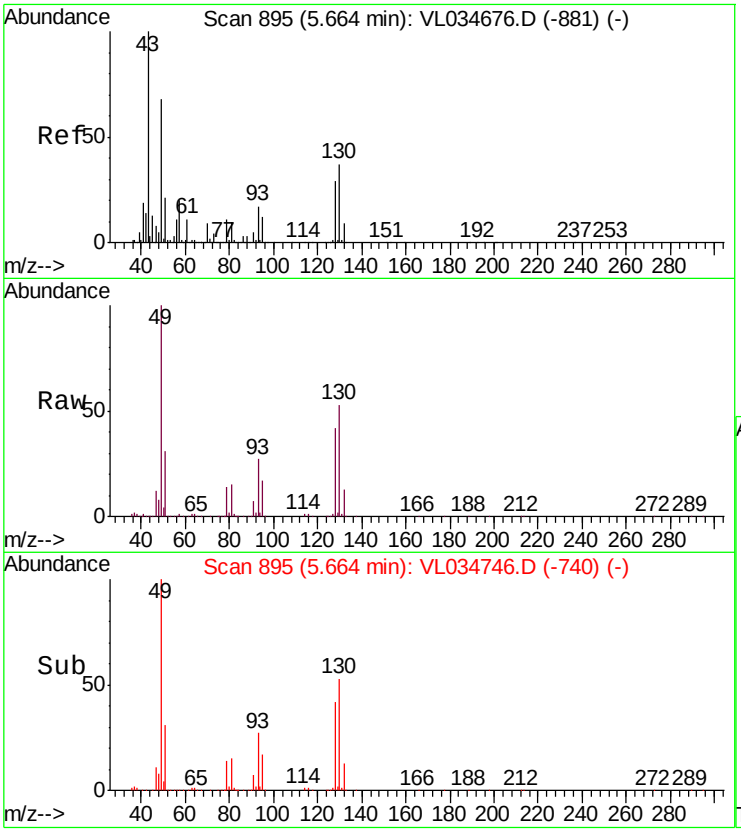
Quantitation Report (Not Reviewed)

Data File : VL034746.D
Acq On : 28 Feb 2020 21:06
Operator : SY/AP
Sample : L1661-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Quant Time: Mar 02 04:36:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration



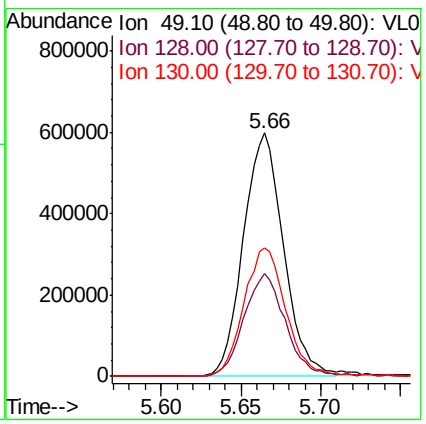


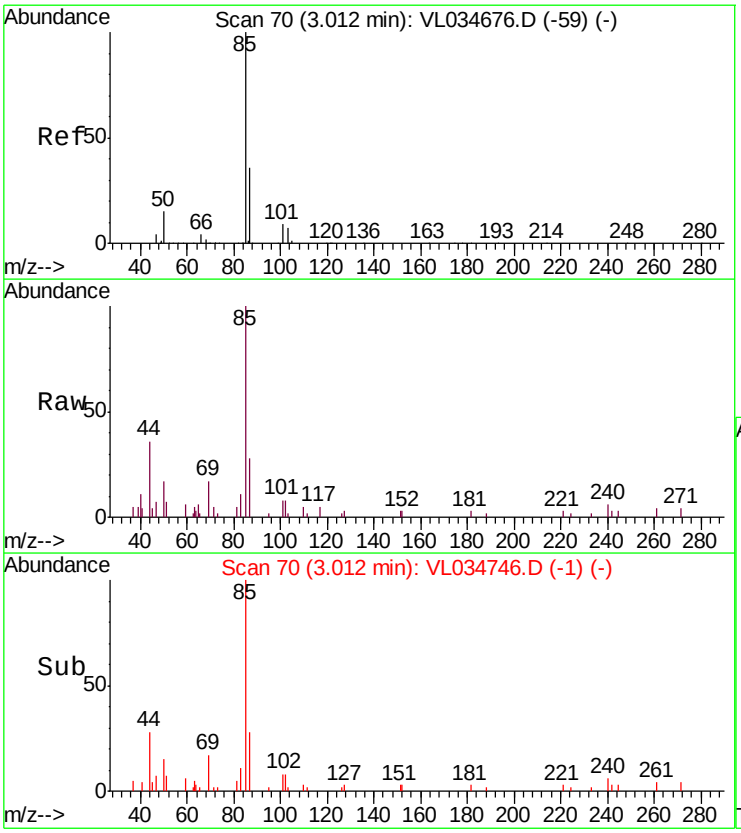

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion: 49 Resp: 1026912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 43.8 | 21.6 | 65.0 |
| 130 | 56.1 | 27.7 | 83.1 |

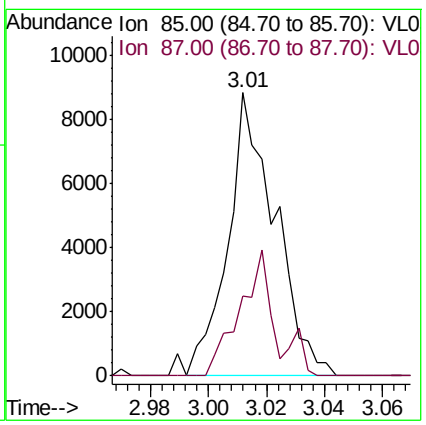


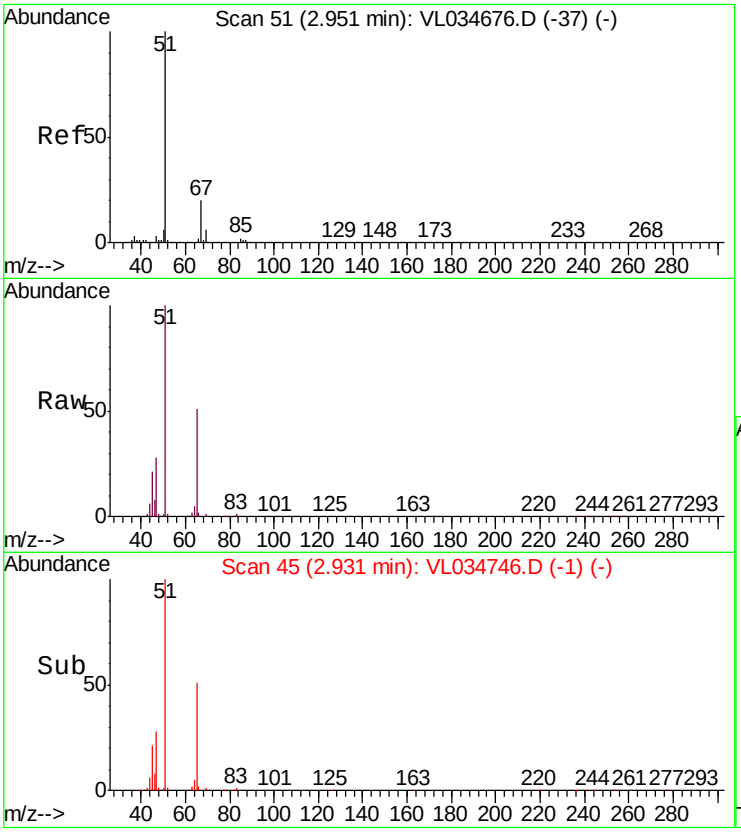




#2
Dichlorodifluoromethane
Concen: 0.062 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 85 Resp: 10002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 28.0 | 29.2 | 43.8# |



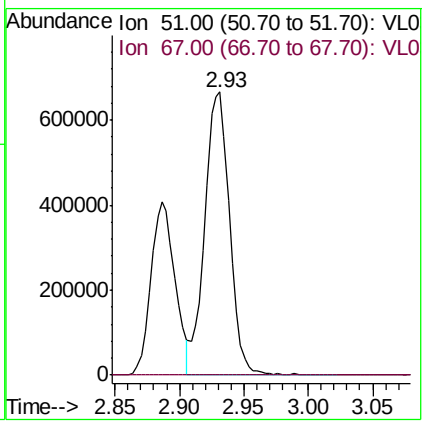


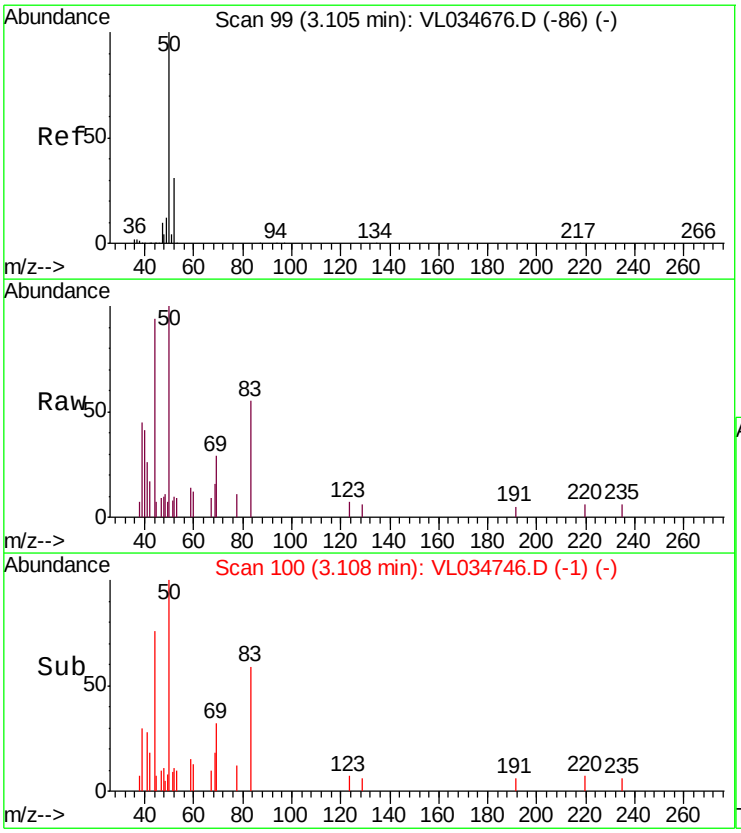

#3
Chlorodifluoromethane
Concen: 8.027 ppbv
RT: 2.93 min Scan# 45
Delta R.T. -0.02 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Tgt Ion: 51 Resp: 889632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 0.1 | 15.5 | 23.3# |

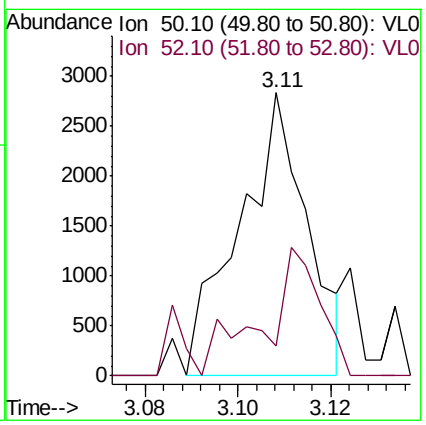


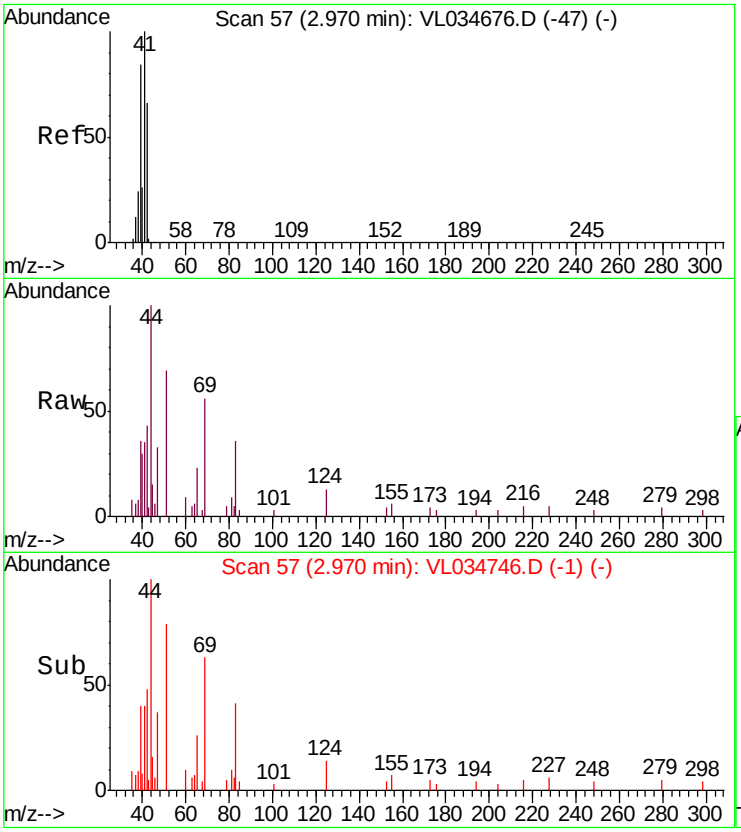




#4
Chloromethane
Concen: 0.047 ppbv
RT: 3.11 min Scan# 100
Delta R.T. 0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 50 Resp: 2886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 1.0 | 25.0 | 37.4# |



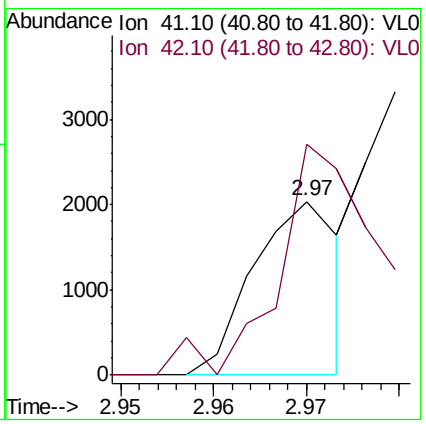


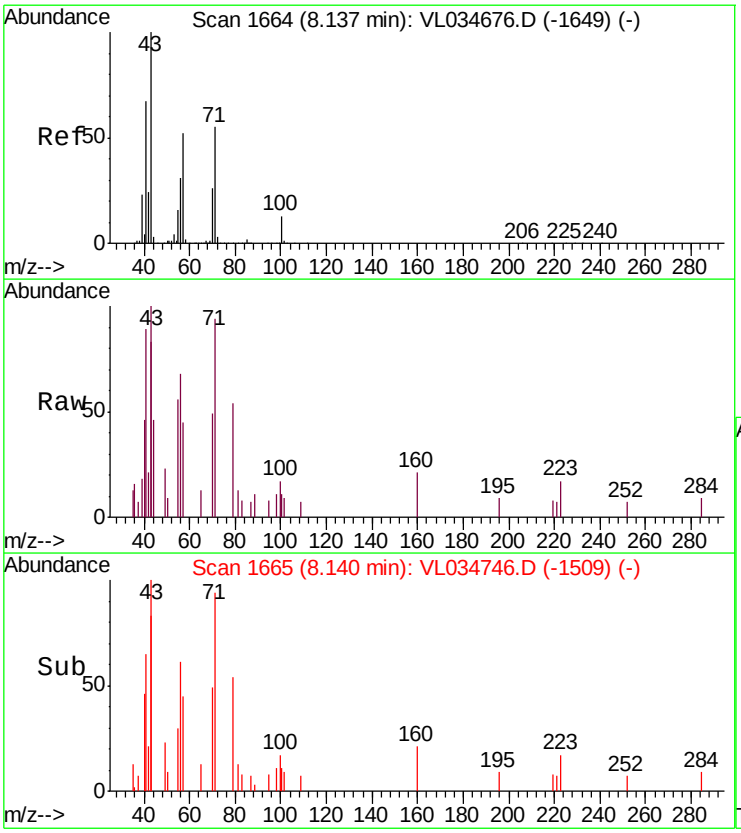

#9
Propene
Concen: 0.028 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion: 41 Resp: 1307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 0.0 | 54.9 | 82.3# |

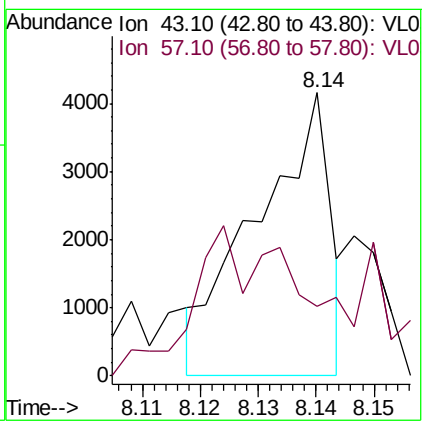


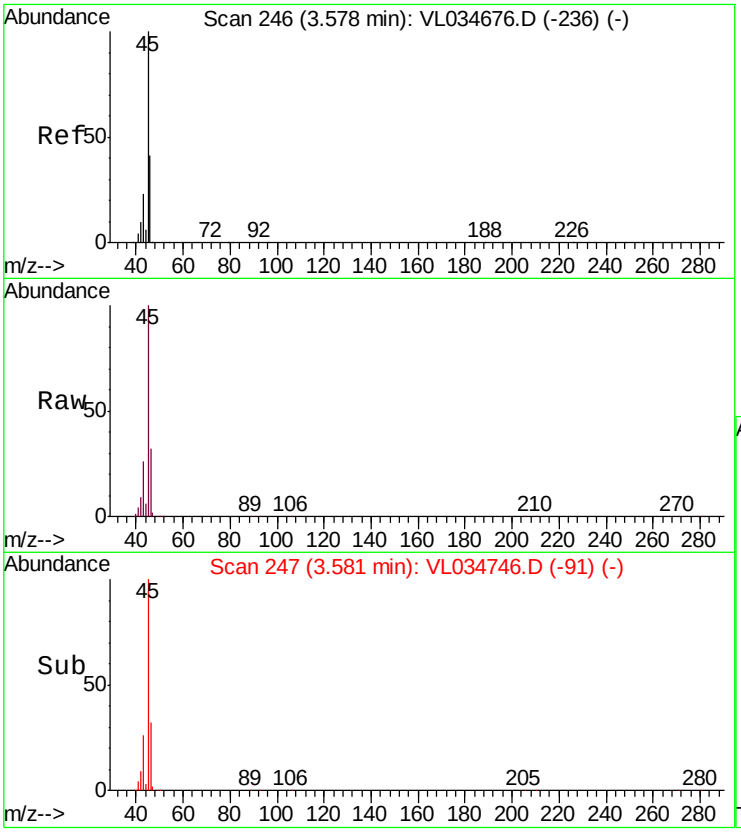




#10
Heptane
Concen: 0.031 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 43 Resp: 3658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 0.0 | 41.0 | 61.6# |



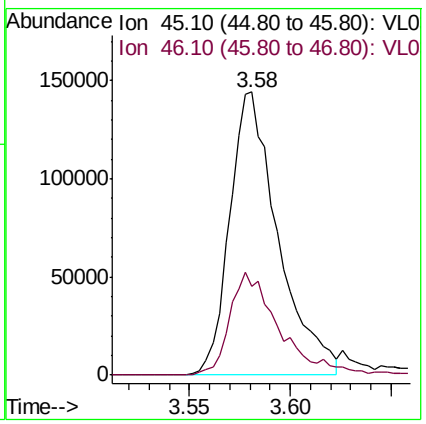


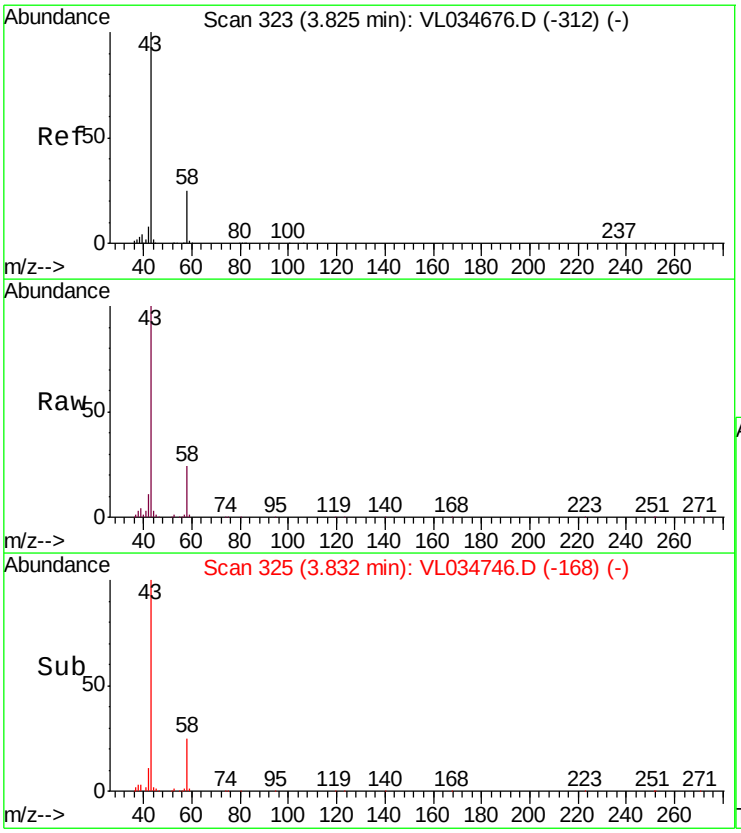

#13
Ethanol
Concen: 16.567 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion: 45 Resp: 242448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 37.7 | 15.4 | 61.4 |

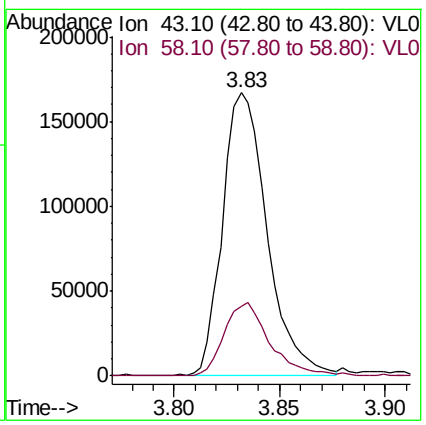


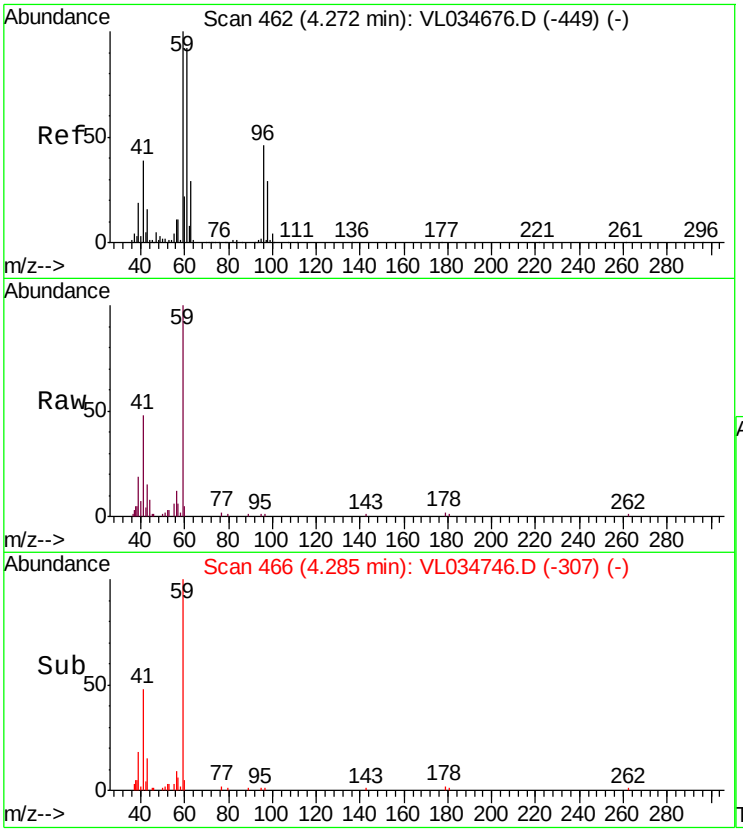




#15
Acetone
Concen: 2.095 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 43 Resp: 245121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 21.4 | 32.0 |



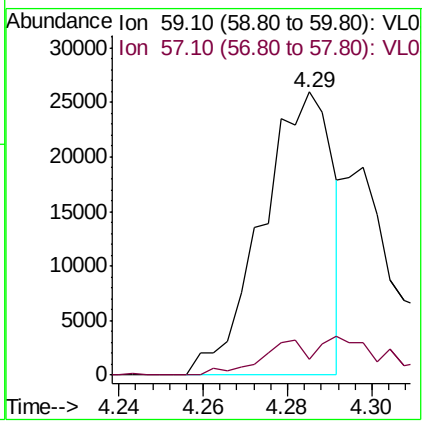


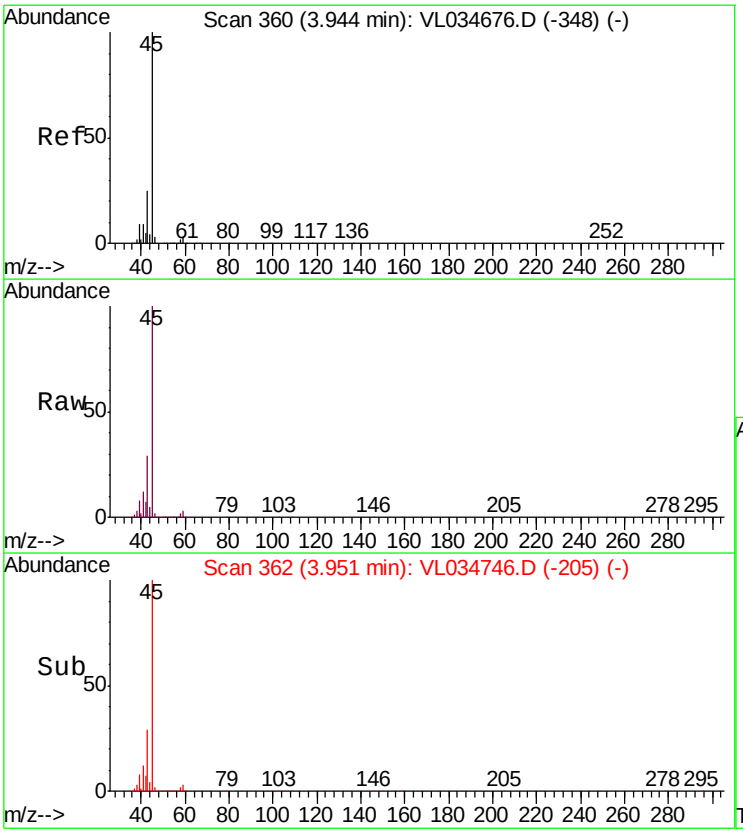

#17
tert-Butyl alcohol
Concen: 0.337 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion: 59 Resp: 30233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.8 | 13.2# |

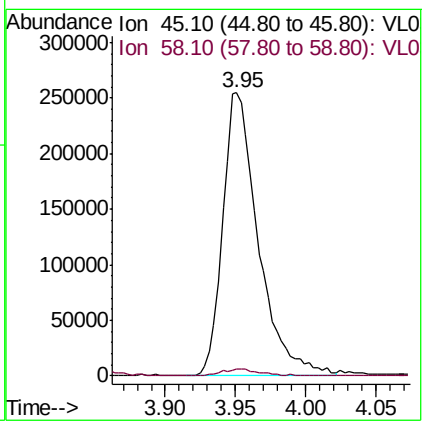


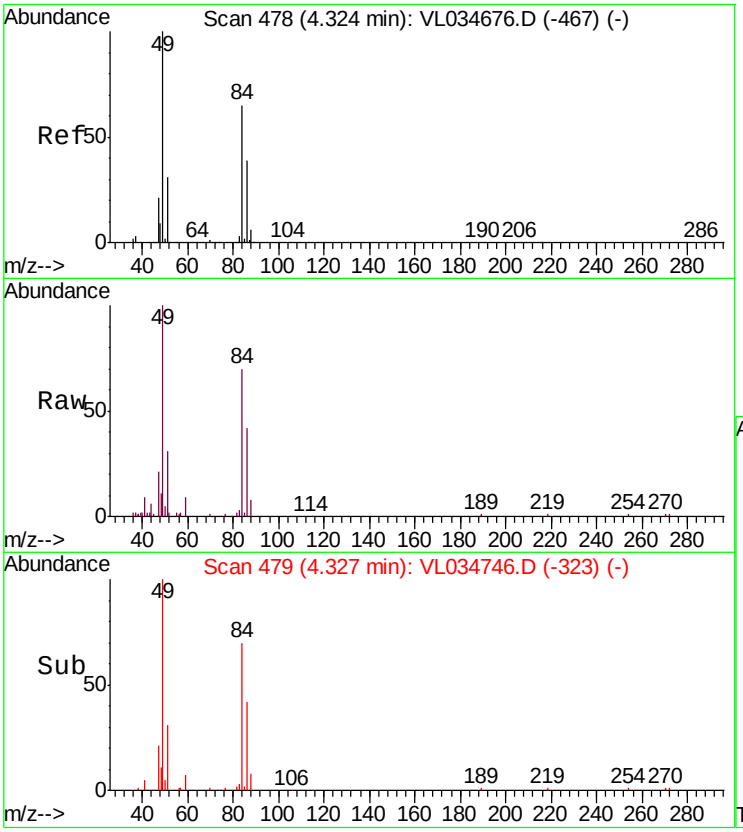




#19
Isopropyl Alcohol
Concen: 6.434 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 45 Resp: 448454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 2.7 | 1.8 | 2.6# |



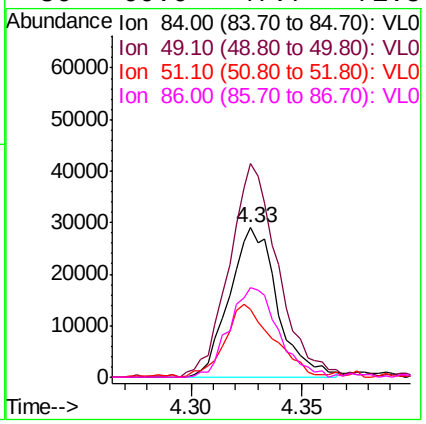


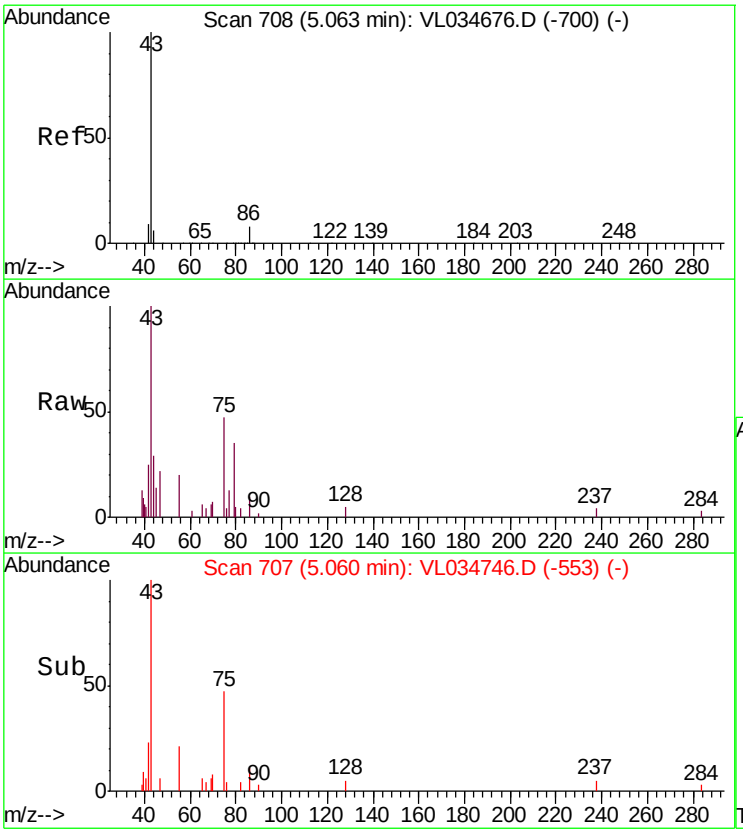

#20
Methylene Chloride
Concen: 1.007 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Tgt Ion: 84 Resp: 43814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 146.5 | 122.8 | 184.2 |
| 51 | 44.5 | 38.6 | 58.0 |
| 86 | 60.0 | 47.7 | 71.5 |

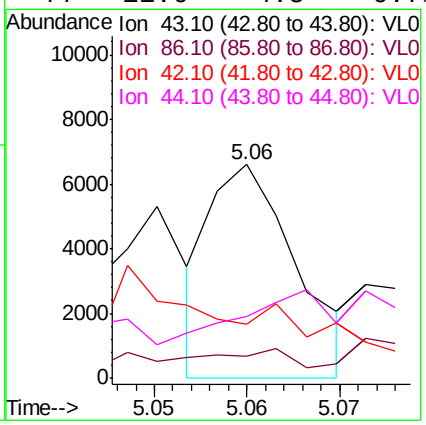


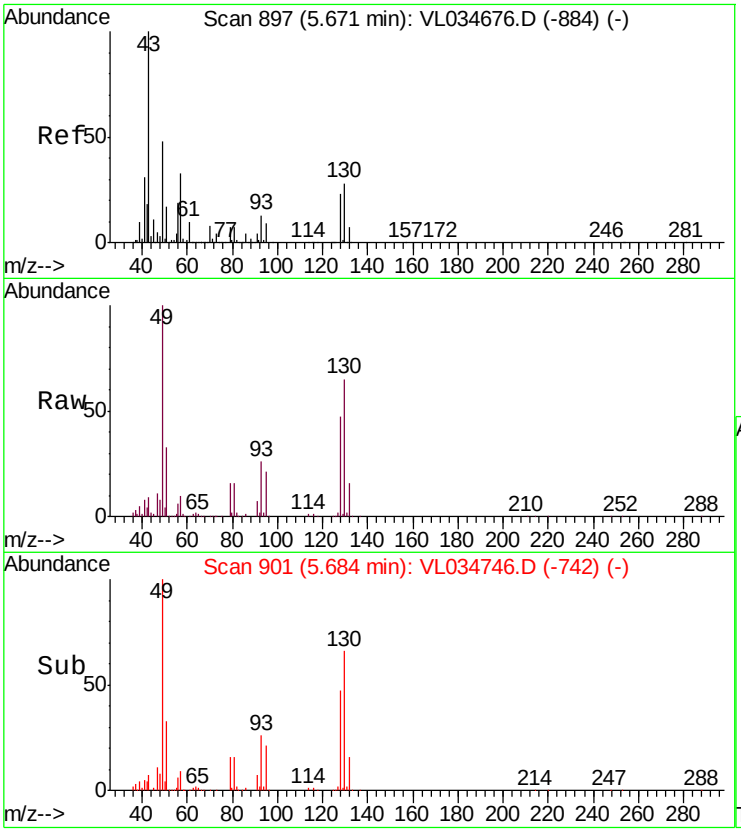




#23
Vinyl Acetate
Concen: 0.027 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 43 Resp: 4264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 4.9 | 6.0 | 9.0# |
| 42 | 0.0 | 8.0 | 12.0# |
| 44 | 11.6 | 4.5 | 6.7# |



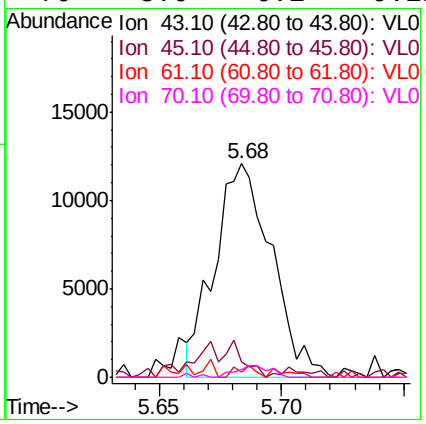


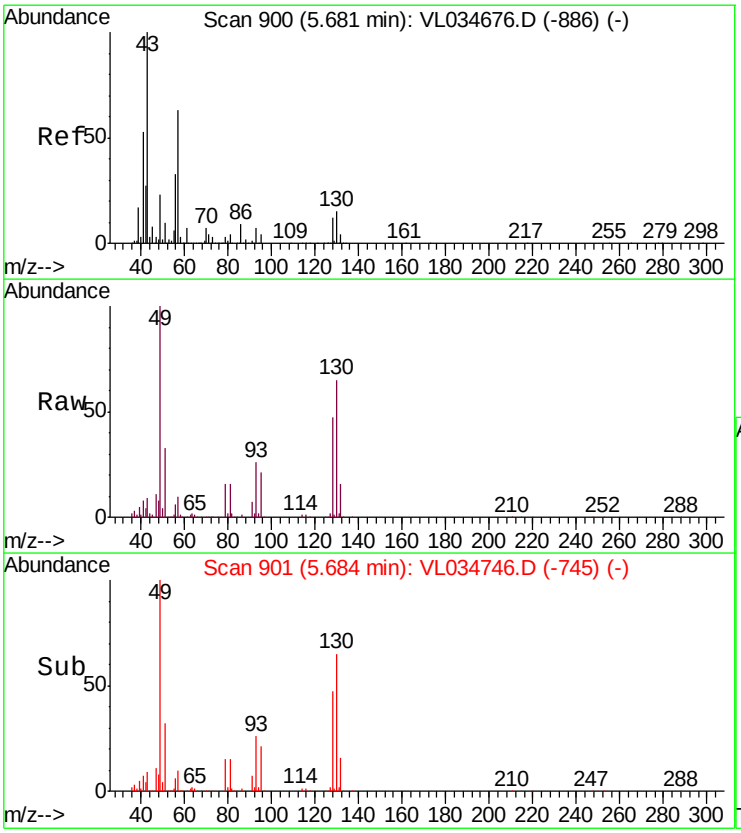

#25
Ethyl Acetate
Concen: 0.095 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Tgt Ion: 43 Resp: 19590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 15.7 | 8.2 | 12.4# |
| 61 | 6.7 | 7.8 | 11.6# |
| 70 | 3.6 | 6.1 | 9.1# |

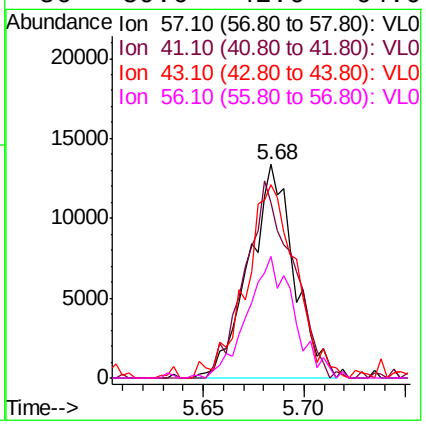


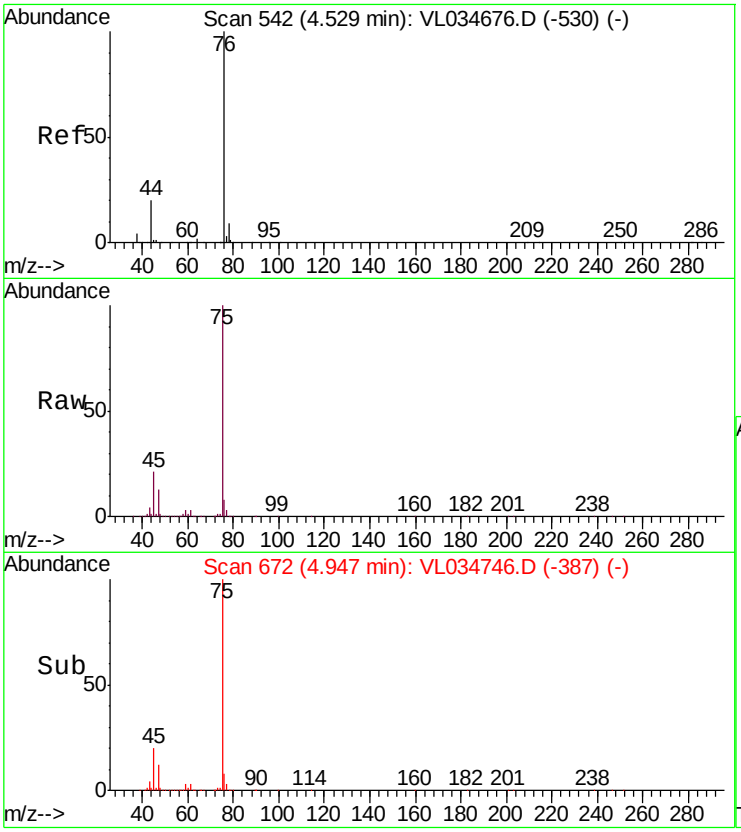




#26
Hexane
Concen: 0.219 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 57 Resp: 20910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 98.7 | 70.3 | 105.5 |
| 43 | 101.3 | 177.0 | 265.4# |
| 56 | 59.6 | 42.6 | 64.0 |



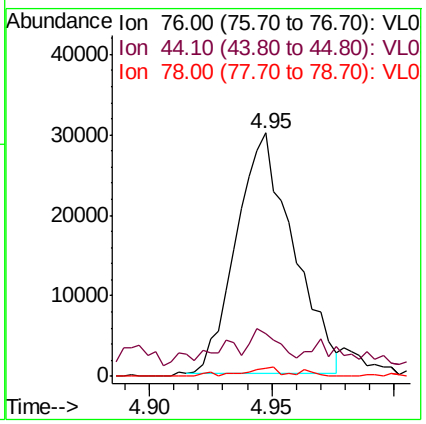


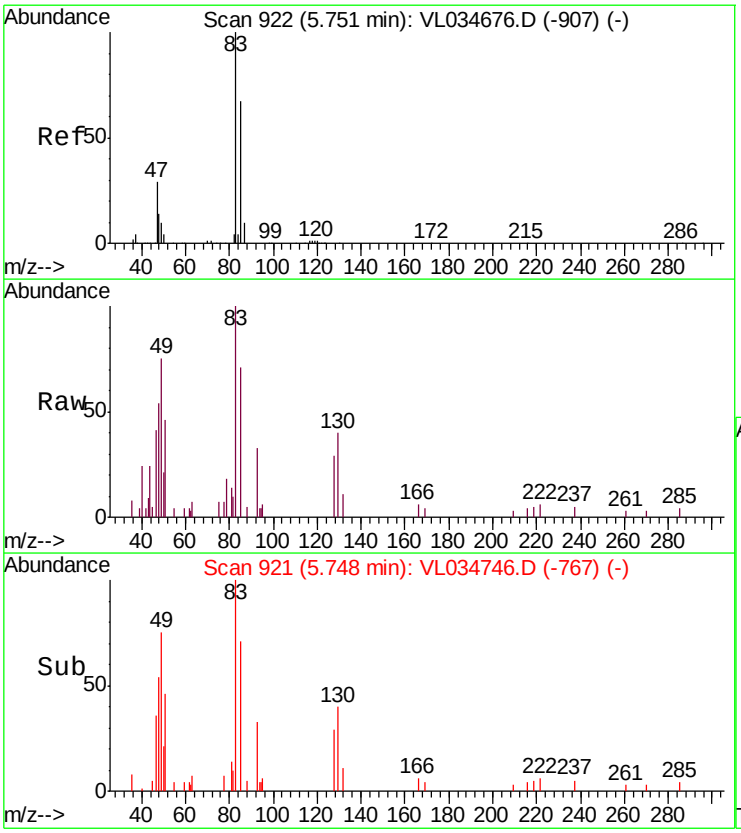

#27
Carbon Disulfide
Concen: 0.446 ppbv
RT: 4.95 min Scan# 672
Delta R.T. 0.42 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Tgt Ion: 76 Resp: 48301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 20.9 | 15.3 | 22.9 |
| 78 | 3.0 | 7.6 | 11.4# |

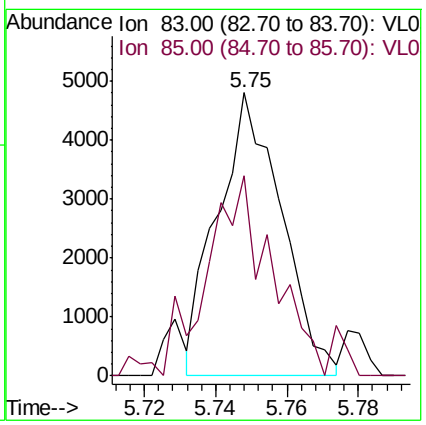


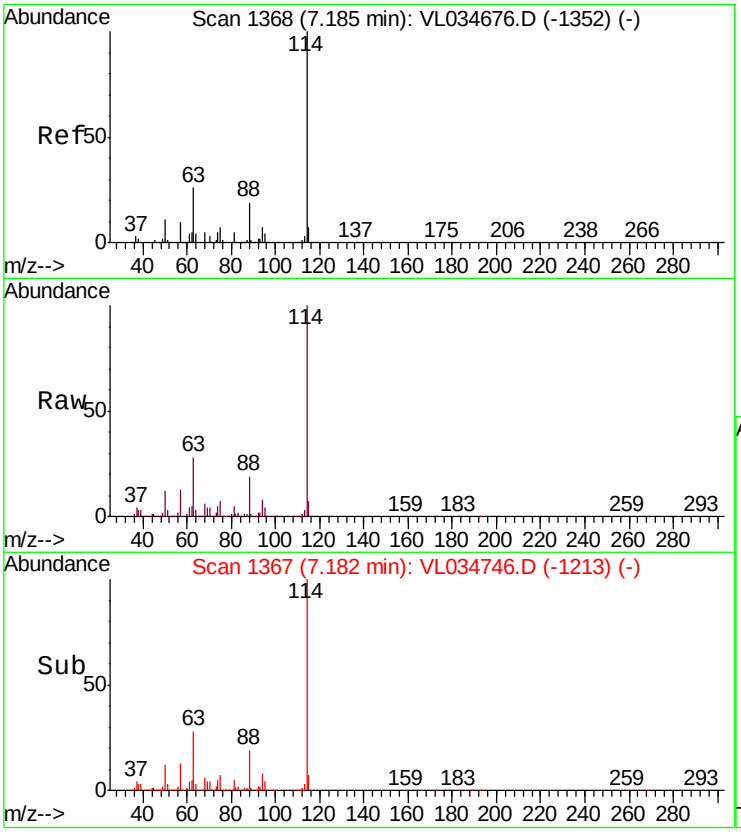




#29
Chloroform
Concen: 0.039 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 83 Resp: 5965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.8 | 53.9 | 80.9 |



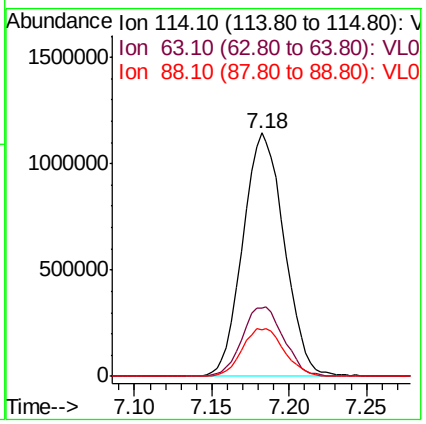


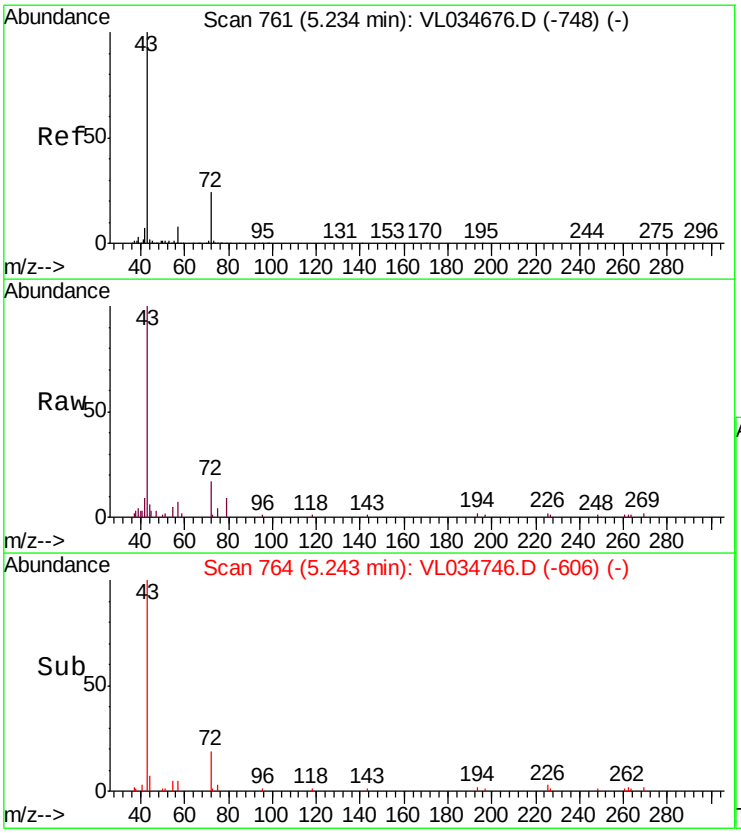

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion:114 Resp: 2129783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 28.8 | 22.9 | 34.3 |
| 88 | 20.0 | 15.8 | 23.6 |

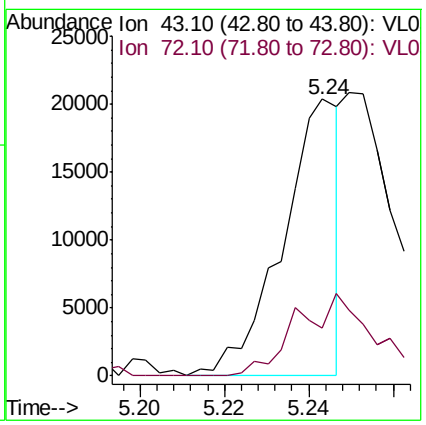


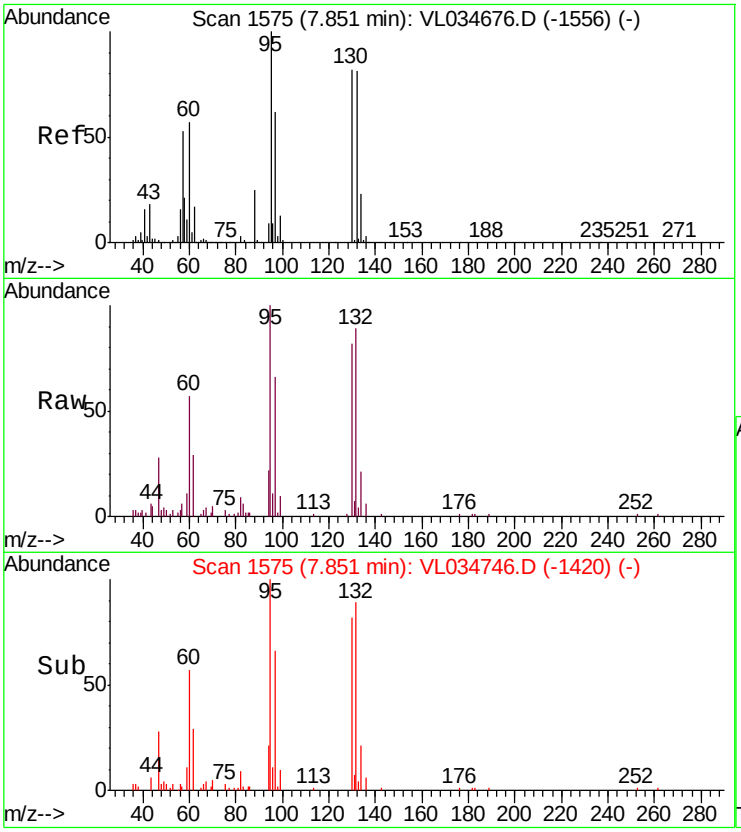




#34
2-Butanone
Concen: 0.142 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 43 Resp: 19000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 18.2 | 27.2# |



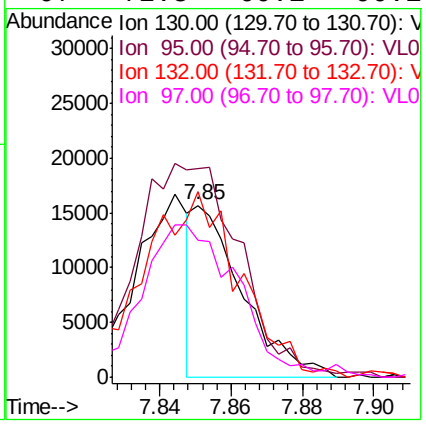


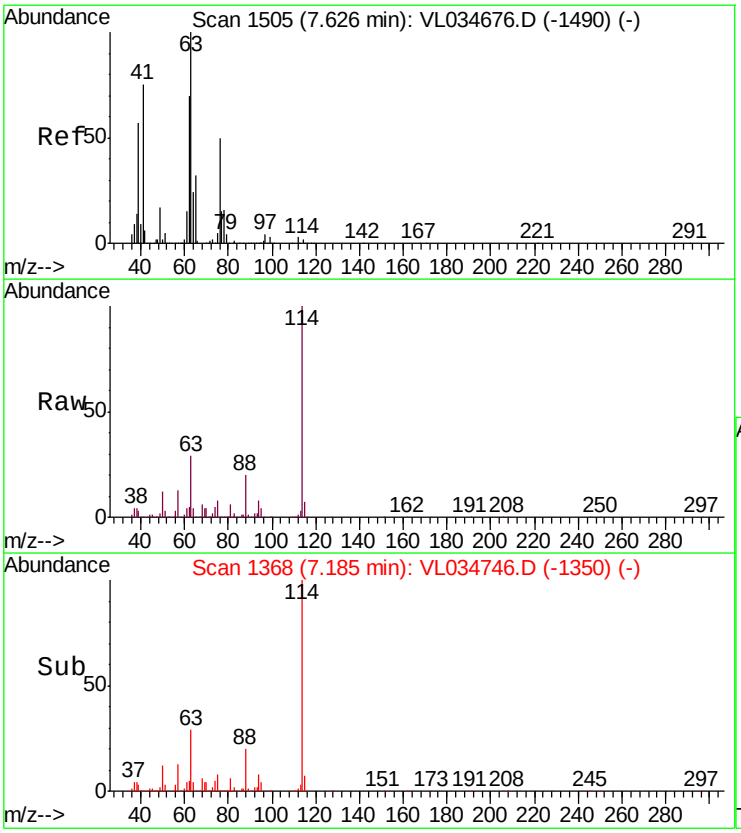

#38
Trichloroethene
Concen: 0.210 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion:130 Resp: 14920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 119.3 | 97.1 | 145.7 |
| 132 | 104.7 | 78.3 | 117.5 |
| 97 | 72.3 | 60.1 | 90.1 |

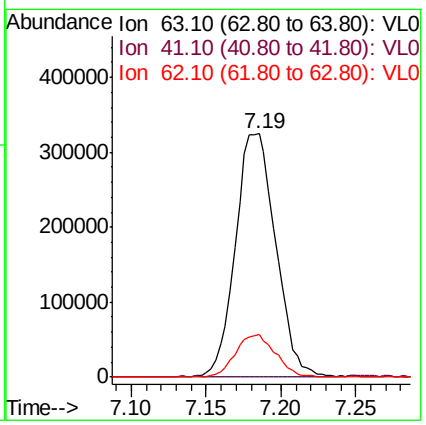


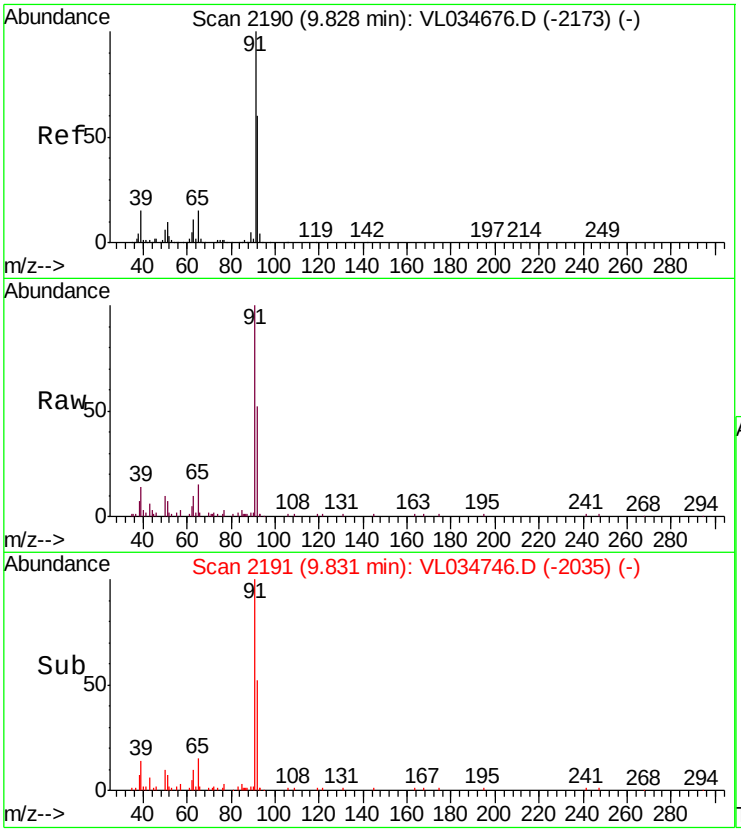




#39
1,2-Dichloropropane
Concen: 8.344 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.44 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 63 Resp: 610671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.2 | 60.2 | 90.4# |
| 62 | 17.6 | 56.3 | 84.5# |



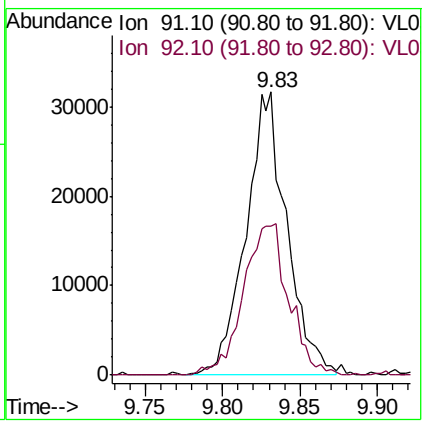


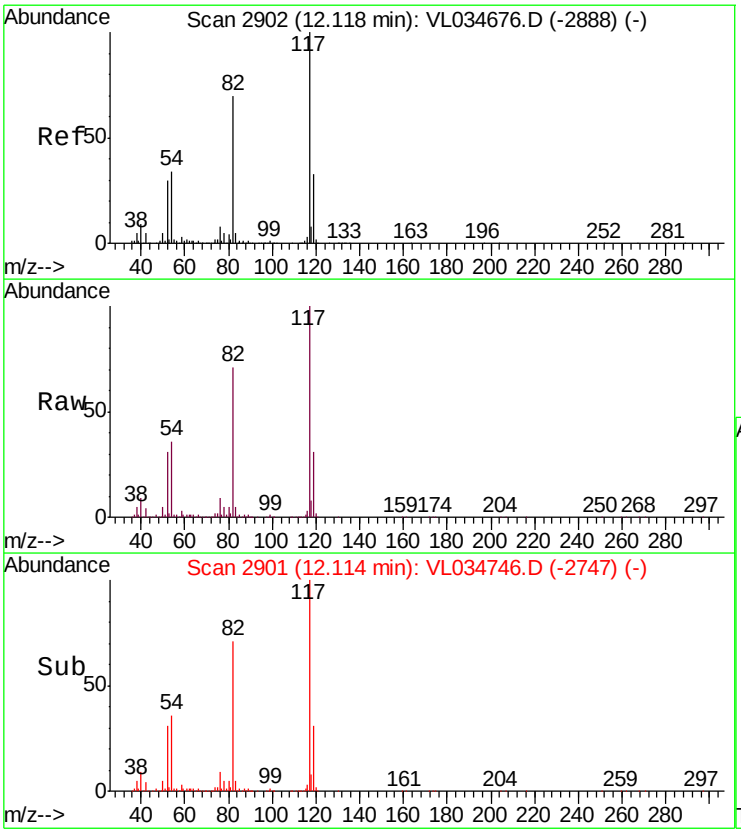

#53
Toluene
Concen: 0.298 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Tgt Ion: 91 Resp: 58282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.0 | 48.5 | 72.7 |

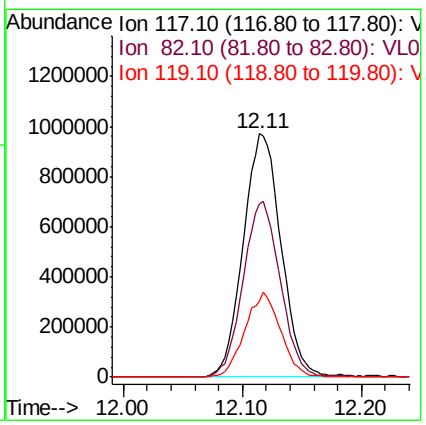


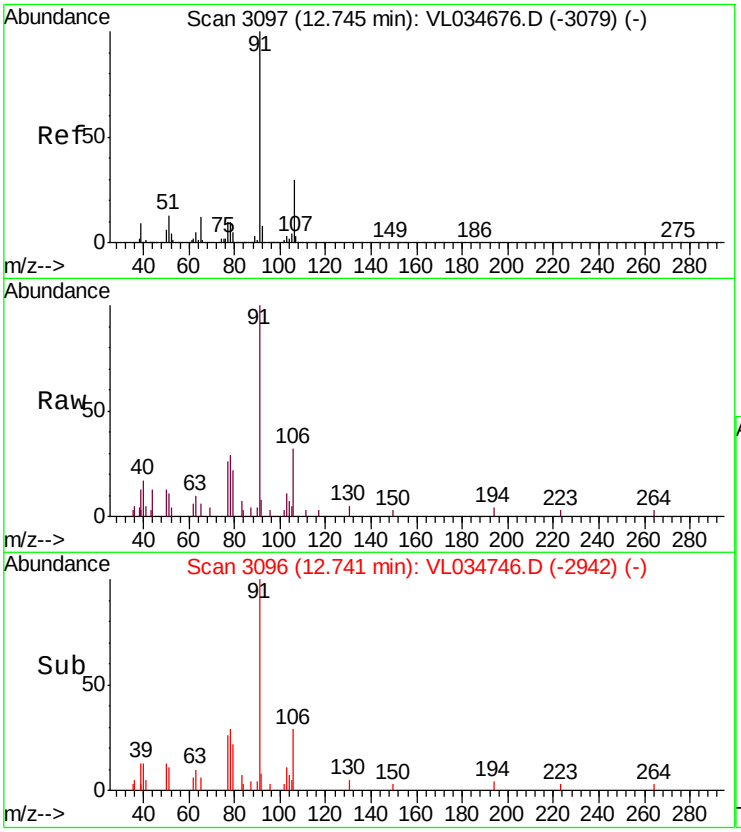




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion:117 Resp: 2134569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 71.4 | 54.1 | 81.1 |
| 119 | 33.2 | 27.6 | 41.4 |



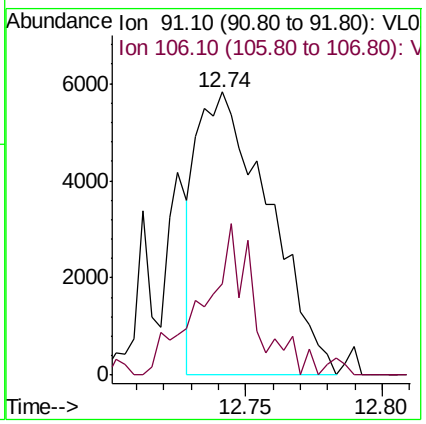


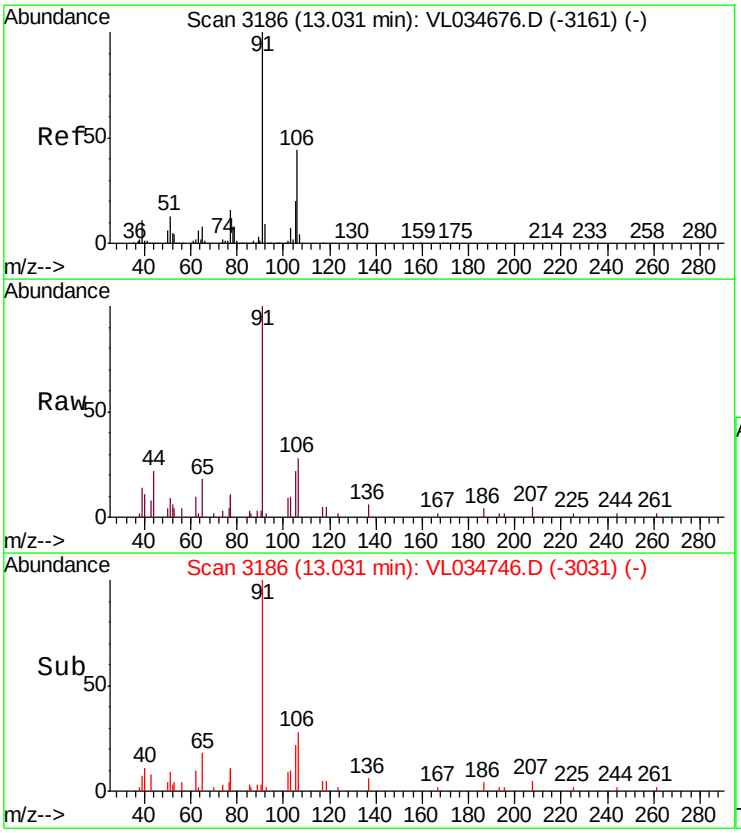

#58
Ethyl Benzene
Concen: 0.041 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :** MSVOA_L
**ClientSampleId :** SG-6-CR-104DL

Tgt Ion: 91 Resp: 10686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.5 | 24.0 | 36.0 |

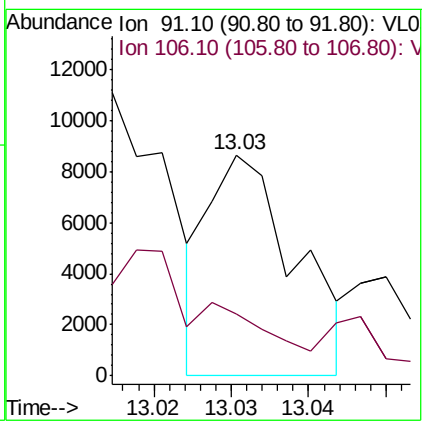


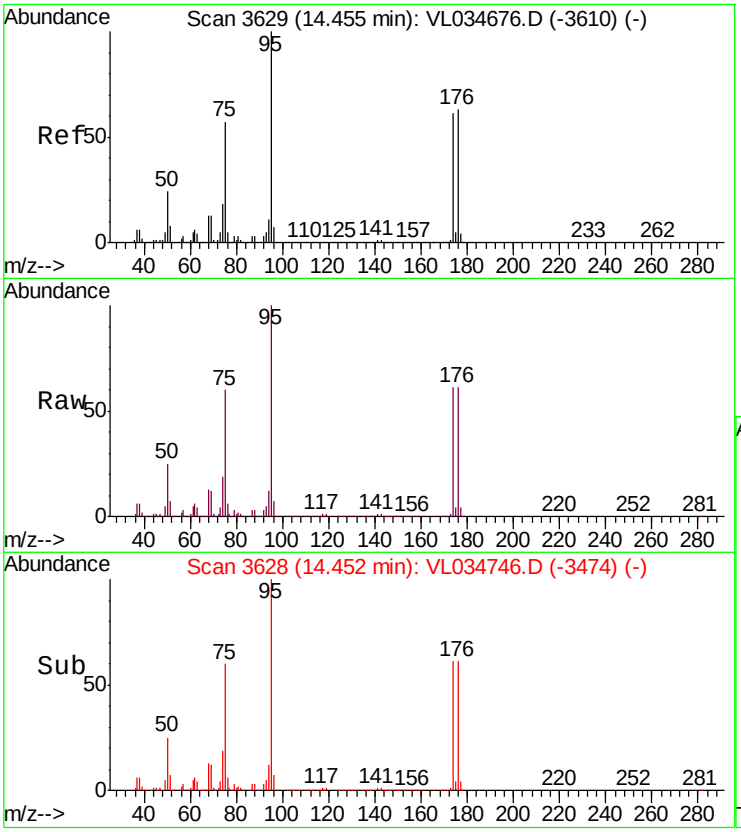




#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

Tgt Ion: 91 Resp: 6761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 35.6 | 53.4# |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.146 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.00 min
Lab File: VL034746.D
Acq: 28 Feb 2020 21:06

**Instrument :**
MSVOA_L
**ClientSampleId :**
SG-6-CR-104DL

Tgt Ion: 95 Resp: 1775871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.2 | 50.7 | 76.1 |
| 175 | 4.7 | 3.9 | 5.9 |