Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100318\
Data File : VL032593.D
Acq On : 3 Oct 2018 23:52
Operator : SY/AP
Sample : J5094-04DL 40XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 04 09:57:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.78 | 49 | 1009581 | 10.00 | ppbv | | -0.03 |
| 33) 1,4-Difluorobenzene | 7.32 | 114 | 2539618 | 10.00 | ppbv | | -0.03 |
| 55) Chlorobenzene-d5 | 12.27 | 117 | 2818657 | 10.00 | ppbv | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.60 | 95 | 1029431 | 4.84 | ppbv | | -0.03 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 48.40%# | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.03 | 85 | 139669 | 1.496 | ppbv | | 98 |
| 3) Chlorodifluoromethane | 3.03 | 51 | 7706660 | 91.794 | ppbv | # | 92 |
| 4) Chloromethane | 3.03 | 50 | 501196 | 10.238 | ppbv | # | 76 |
| 9) Propene | 3.25 | 41 | 117035 | 3.213 | ppbv | | 86 |
| 13) Ethanol | 3.68 | 45 | 7035 | 0.643 | ppbv | # | 52 |
| 15) Acetone | 3.92 | 43 | 1095453 | 12.361 | ppbv | | 99 |
| 16) 1,3-Butadiene | 3.36 | 39 | 3745 | 0.104 | ppbv | # | 5 |
| 17) tert-Butyl alcohol | 4.41 | 59 | 1887 | 0.169 | ppbv | # | 100 |
| 19) Isopropyl Alcohol | 4.07 | 45 | 36332 | 0.589 | ppbv | # | 93 |
| 20) Methylene Chloride | 4.44 | 84 | 14590 | 0.340 | ppbv | # | 86 |
| 26) Hexane | 5.80 | 57 | 3403 | 0.035 | ppbv | # | 1 |
| 39) 1,2-Dichloropropane | 7.32 | 63 | 694236 | 7.506 | ppbv | # | 25 |
| 53) Toluene | 9.97 | 91 | 9955 | 0.040 | ppbv | # | 33 |

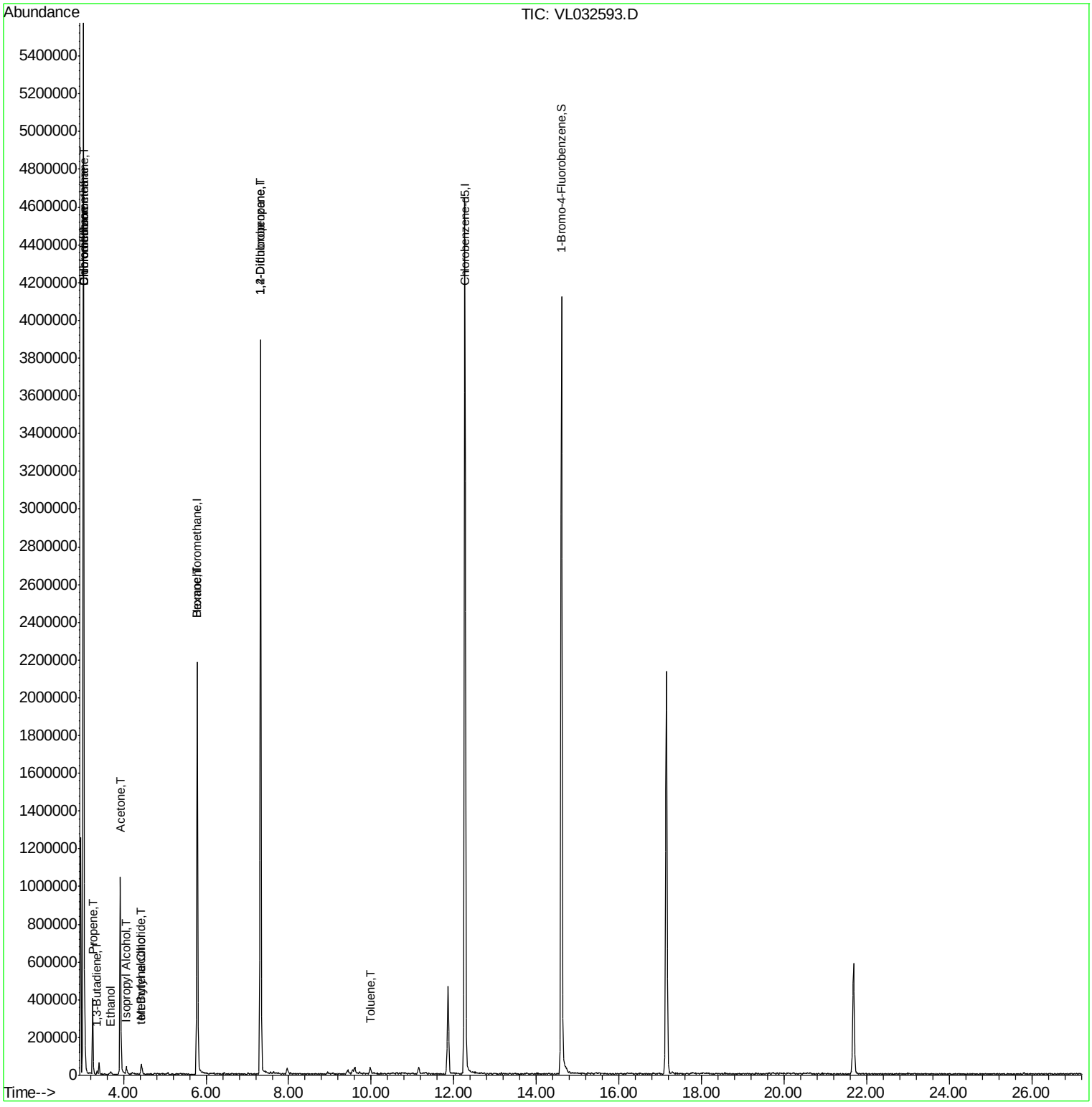
(#) = qualifier out of range (m) = manual integration (+) = signals summed

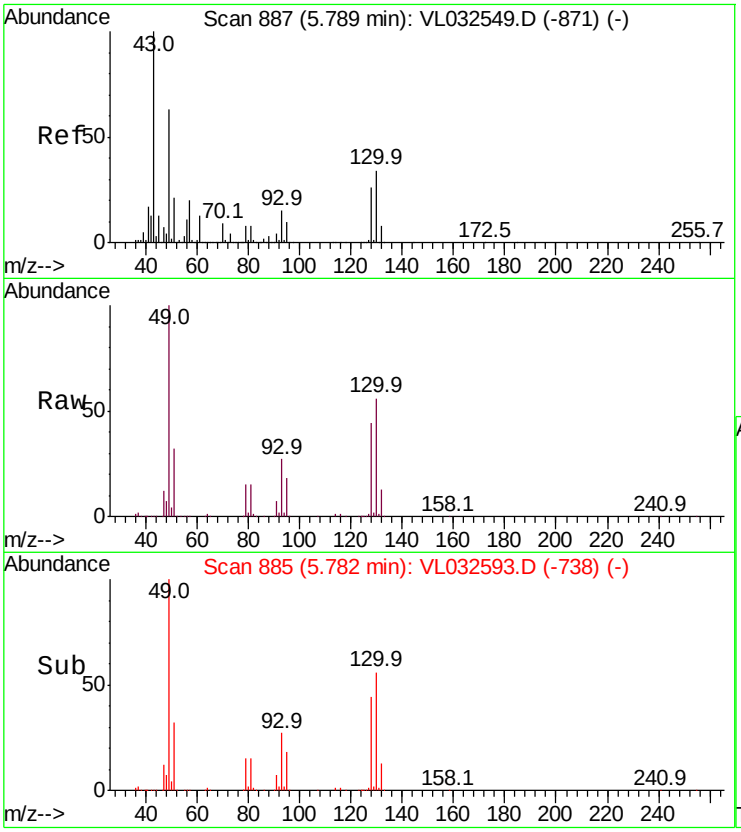
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100318\
Data File : VL032593.D
Acq On : 3 Oct 2018 23:52
Operator : SY/AP
Sample : J5094-04DL 40XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 04 09:57:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 01 06:49:26 2018
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration



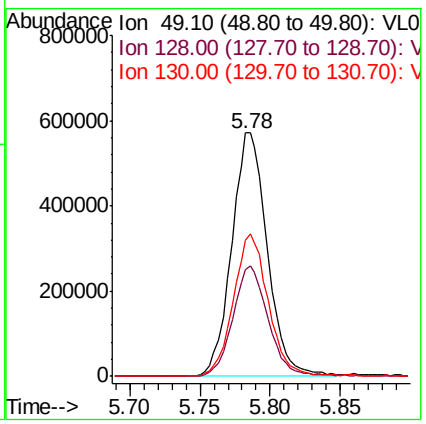


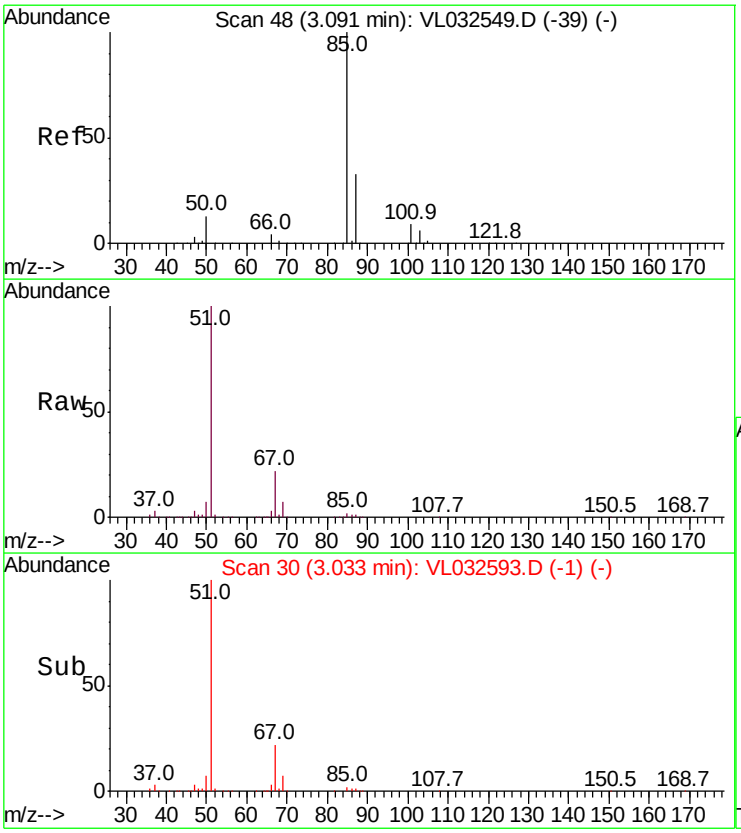

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.03 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 49 Resp: 1009581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 45.3 | 20.7 | 62.1 |
| 130 | 58.1 | 26.6 | 79.7 |

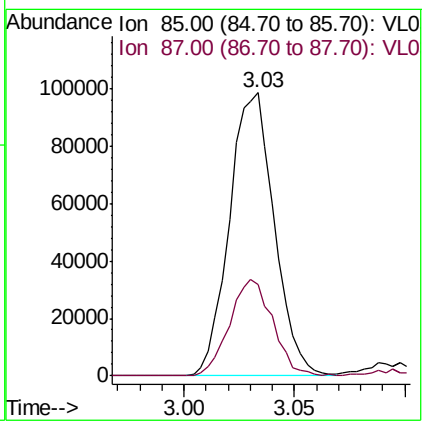


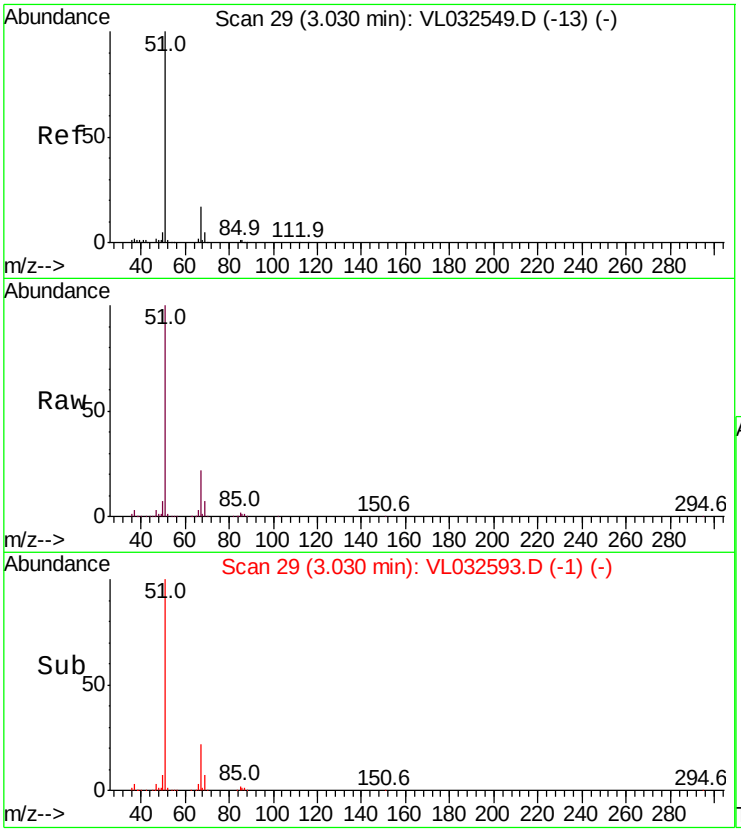




#2
Dichlorodifluoromethane
Concen: 1.496 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.08 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 85 Resp: 139669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 26.2 | 39.4 |



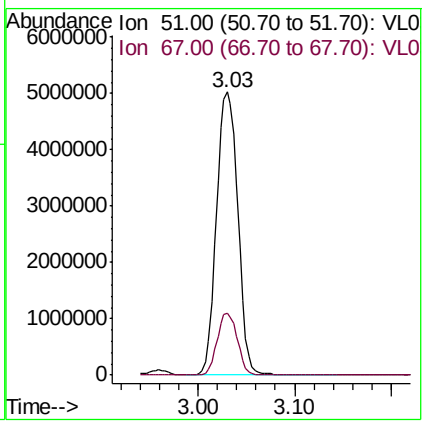


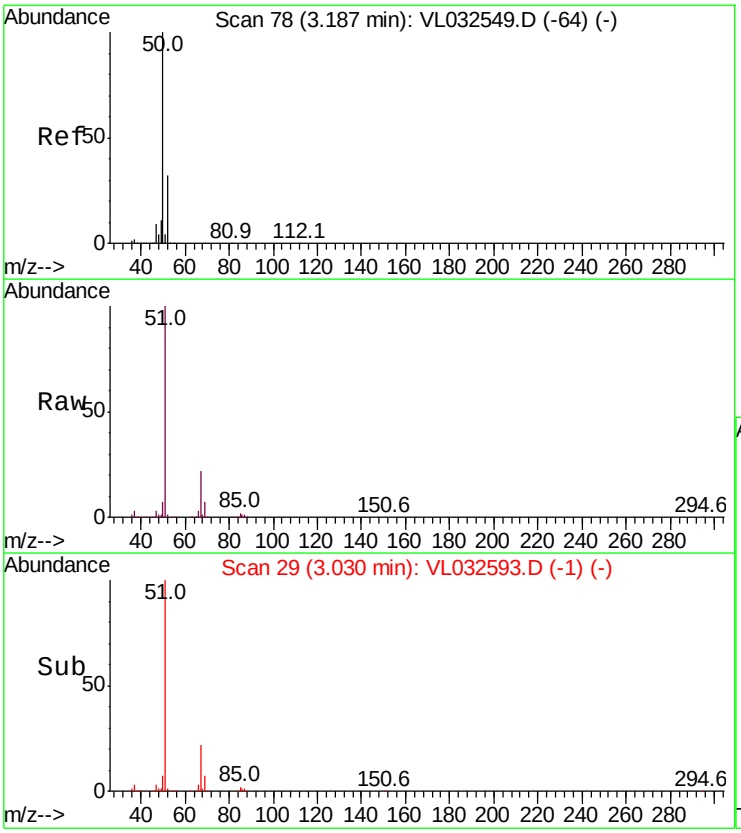

#3
Chlorodifluoromethane
Concen: 91.794 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 51 Resp: 7706660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 20.9 | 13.8 | 20.8# |

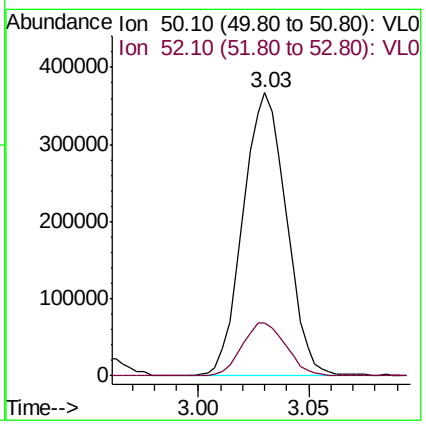


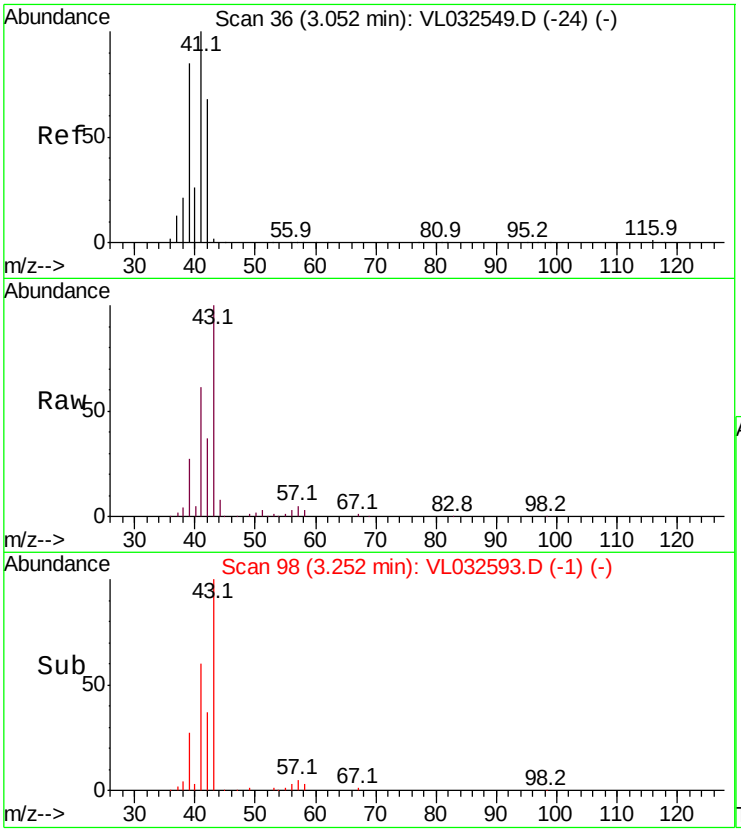




#4
Chloromethane
Concen: 10.238 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.17 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 50 Resp: 501196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 18.6 | 25.6 | 38.4# |



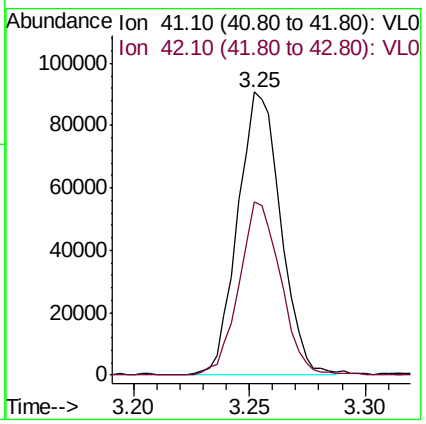


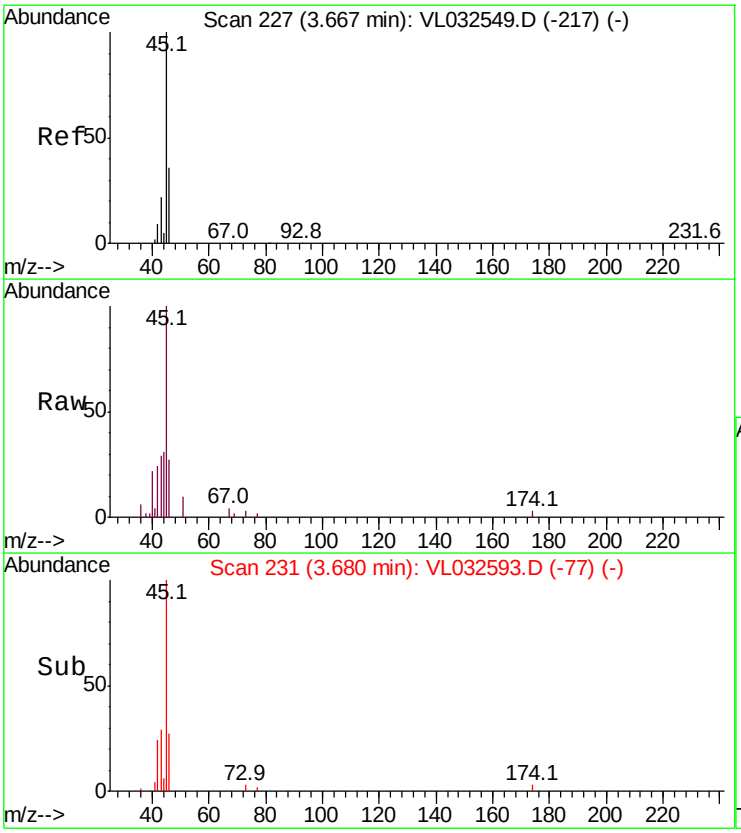

#9
Propene
Concen: 3.213 ppbv
RT: 3.25 min Scan# 98
Delta R.T. 0.18 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 41 Resp: 117035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 59.4 | 56.6 | 84.8 |

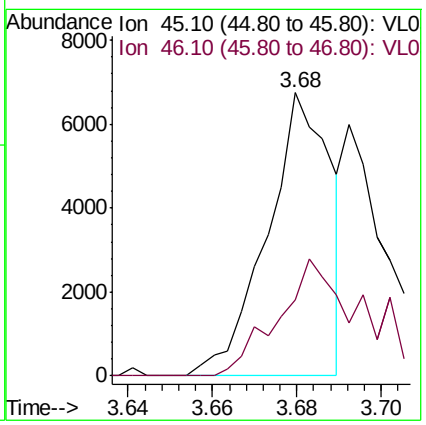


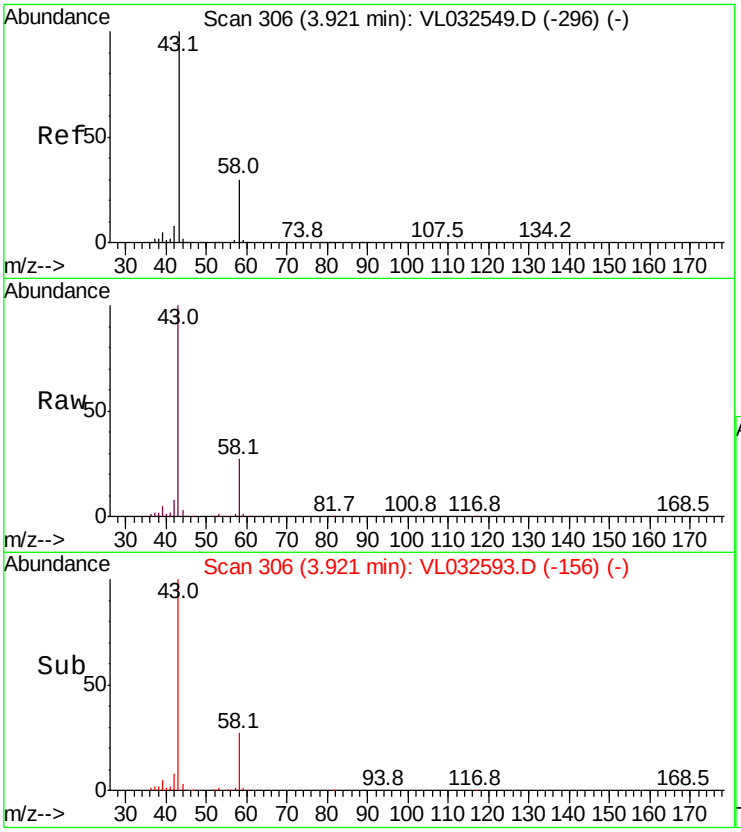




#13
Ethanol
Concen: 0.643 ppbv
RT: 3.68 min Scan# 231
Delta R.T. -0.01 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 45 Resp: 7035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 63.7 | 14.2 | 56.8# |



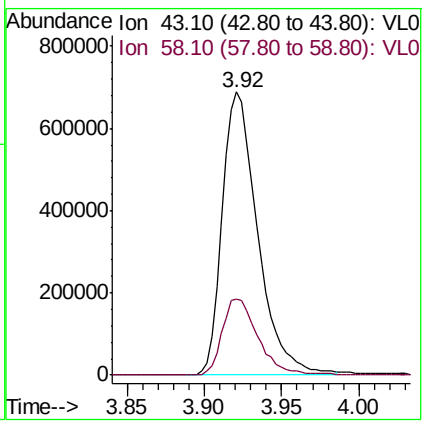


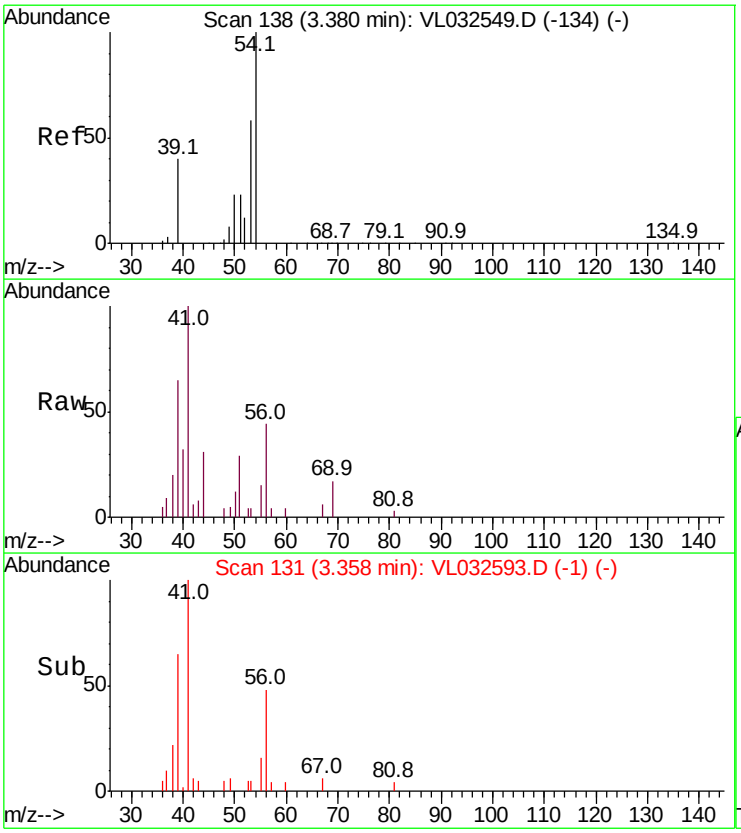

#15
Acetone
Concen: 12.361 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 43 Resp: 1095453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 22.6 | 33.8 |

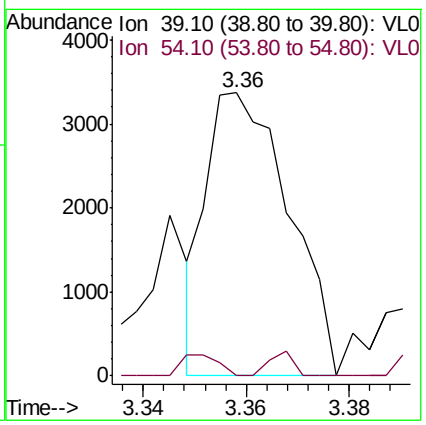


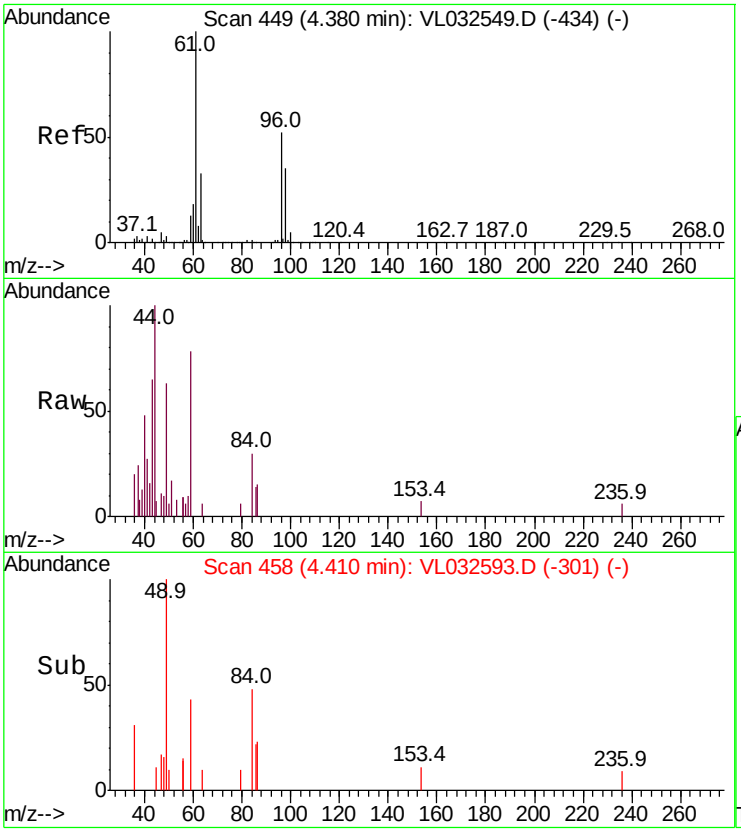




#16
1,3-Butadiene
Concen: 0.104 ppbv
RT: 3.36 min Scan# 131
Delta R.T. -0.04 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 39 Resp: 3745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 5.9 | 80.8 | 121.2# |



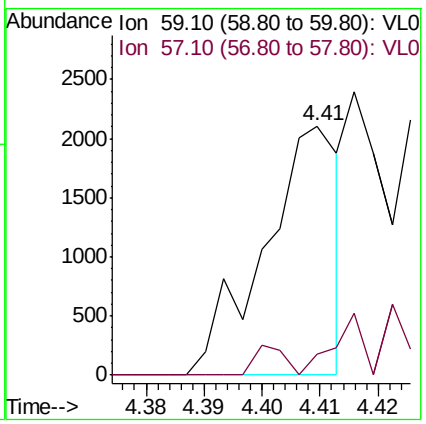


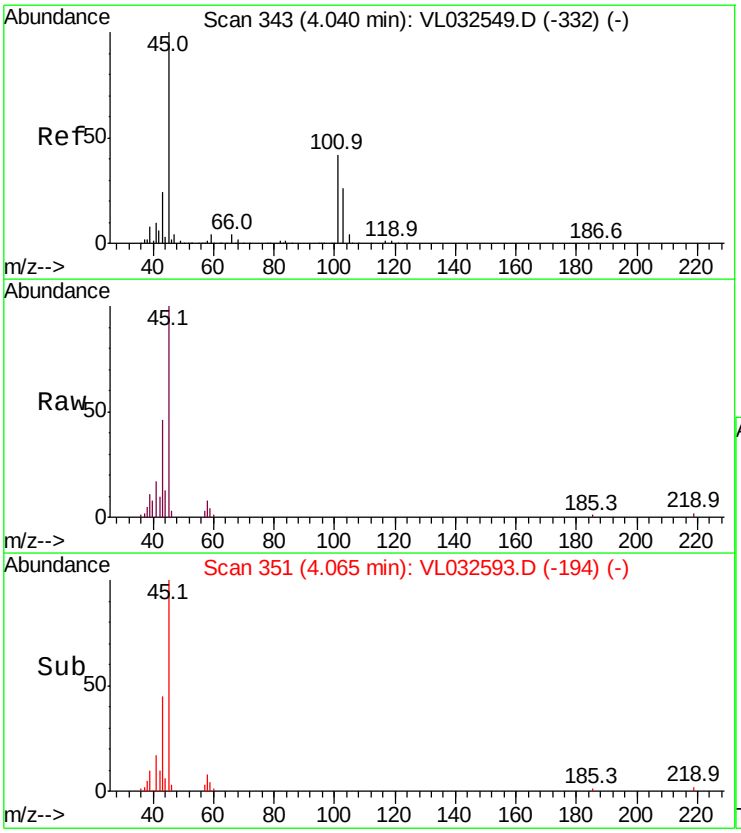

#17
tert-Butyl alcohol
Concen: 0.169 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 59 Resp: 1887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 0.0 | 0.0 |

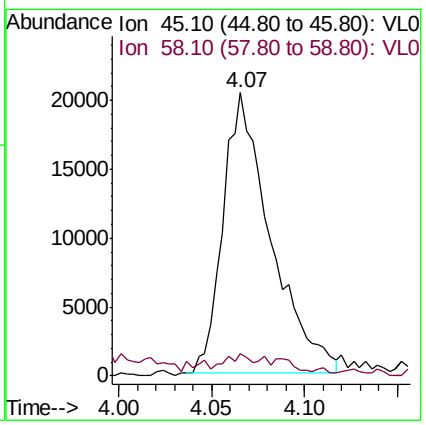


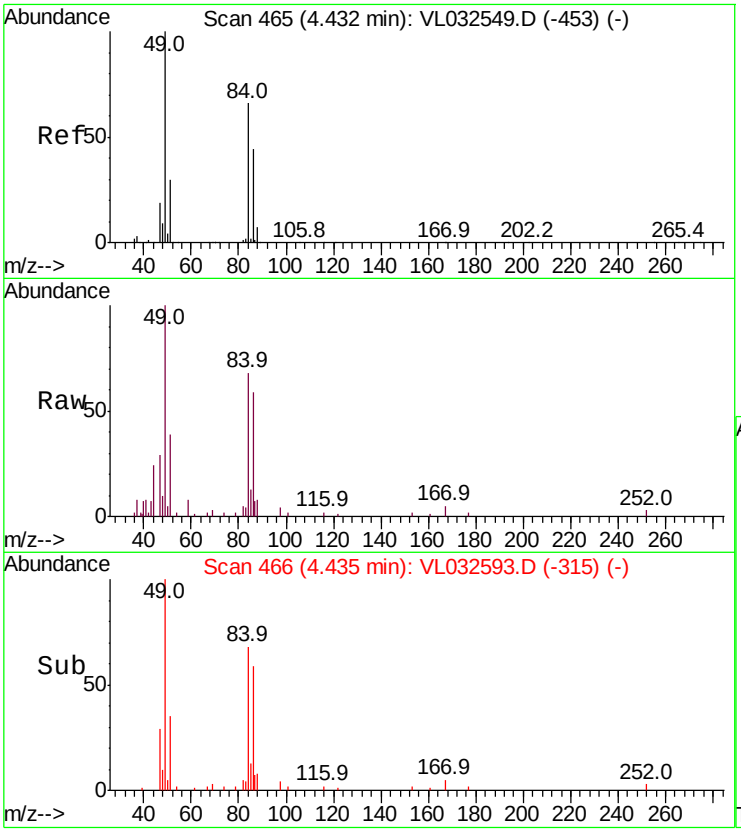




#19
Isopropyl Alcohol
Concen: 0.589 ppbv
RT: 4.07 min Scan# 351
Delta R.T. 0.00 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 45 Resp: 36332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 2.0 | 3.0# |



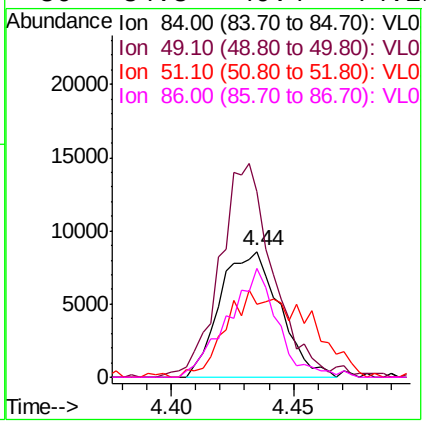


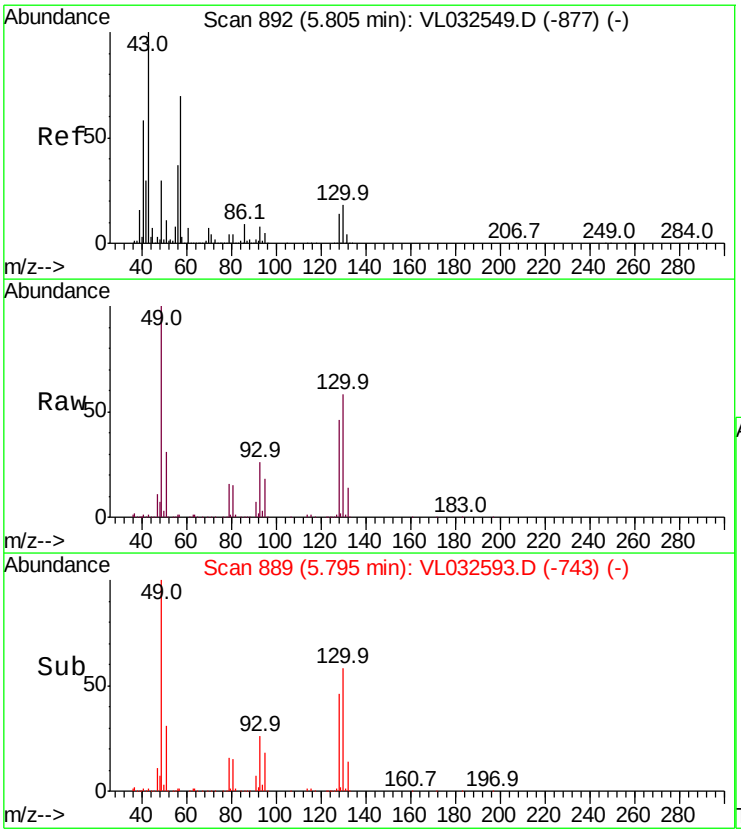

#20
Methylene Chloride
Concen: 0.340 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 84 Resp: 14590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.9 | 119.1 | 178.7 |
| 51 | 51.4 | 35.2 | 52.8 |
| 86 | 84.3 | 49.4 | 74.2# |

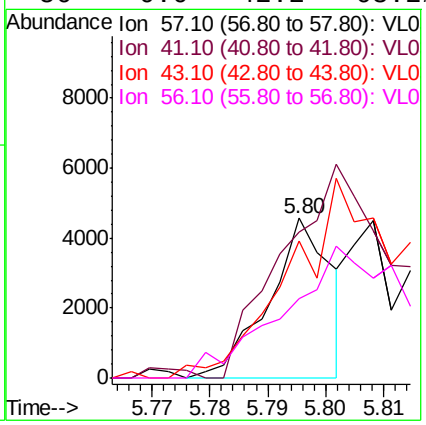


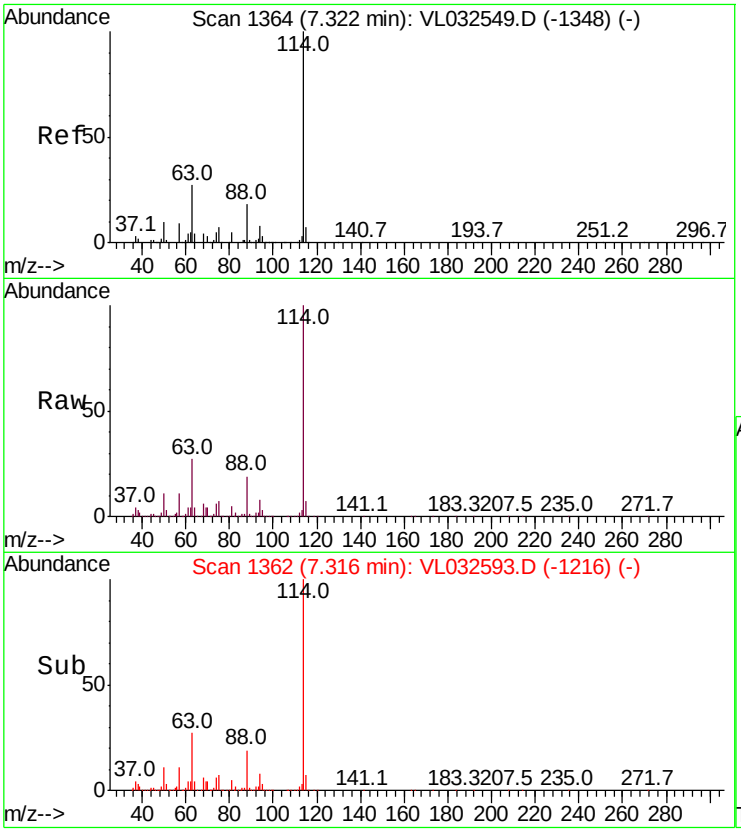




#26
Hexane
Concen: 0.035 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 57 Resp: 3403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 0.0 | 69.0 | 103.4# |
| 43 | 0.0 | 172.1 | 258.1# |
| 56 | 0.0 | 42.2 | 63.2# |



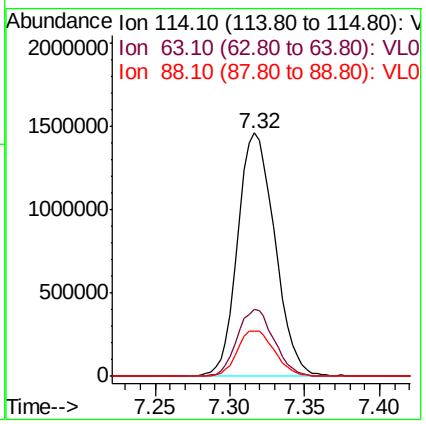


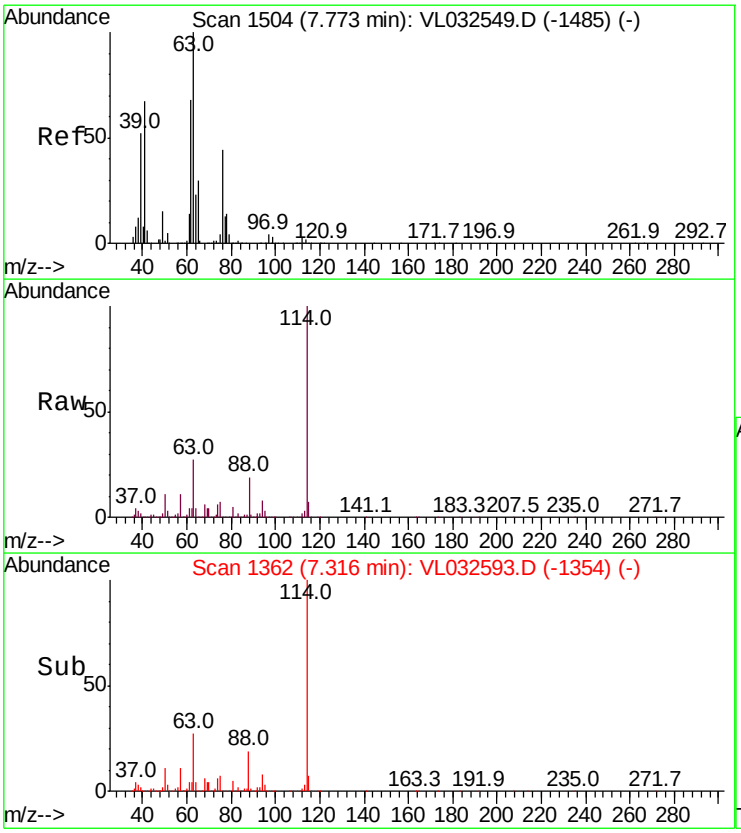

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.03 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion:114 Resp: 2539618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 27.4 | 22.2 | 33.4 |
| 88 | 18.8 | 15.0 | 22.4 |

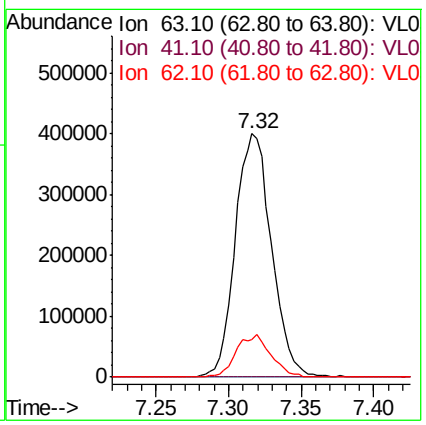


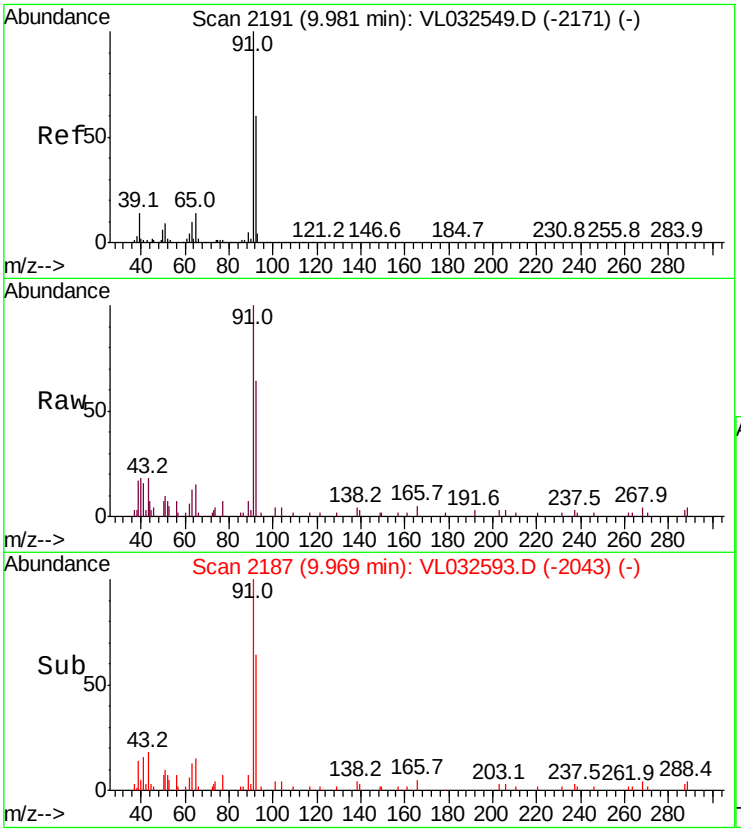




#39
1,2-Dichloropropane
Concen: 7.506 ppbv
RT: 7.32 min Scan# 1362
Delta R.T. -0.47 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion: 63 Resp: 694236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.2 | 55.4 | 83.0# |
| 62 | 15.6 | 55.4 | 83.0# |



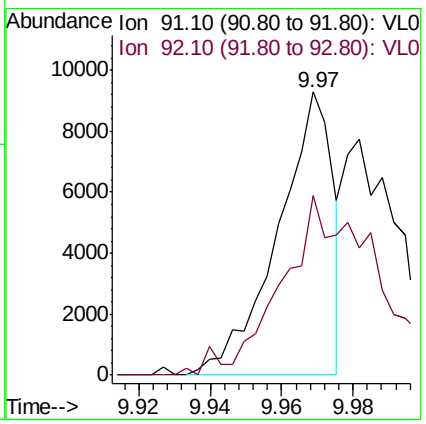


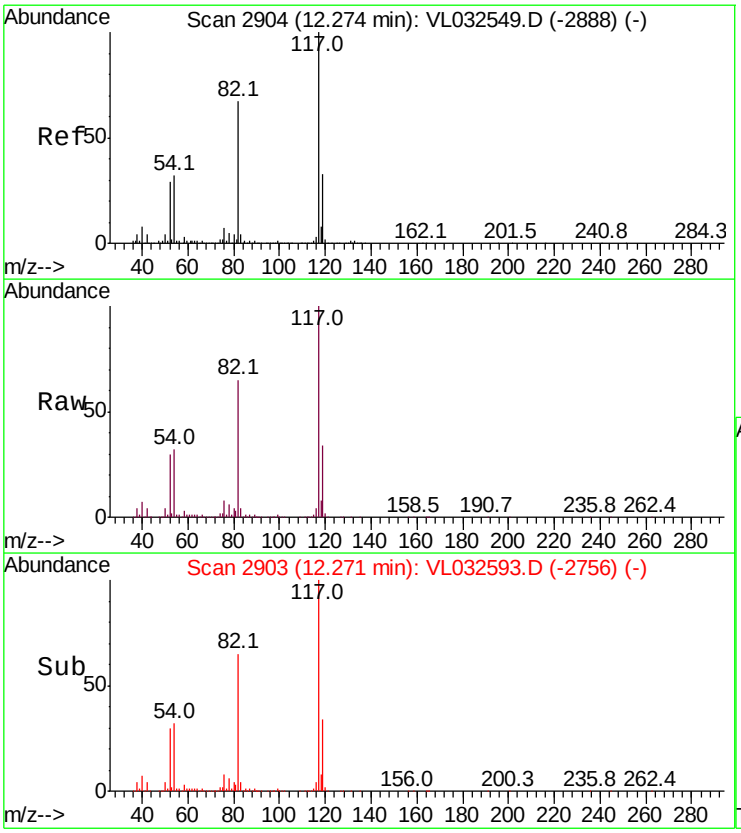

#53
Toluene
Concen: 0.040 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. -0.04 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 91 Resp: 9955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 110.6 | 48.1 | 72.1# |

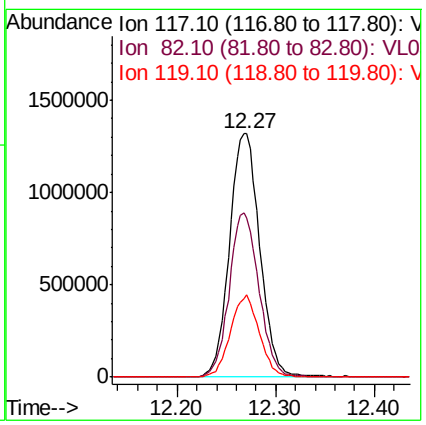


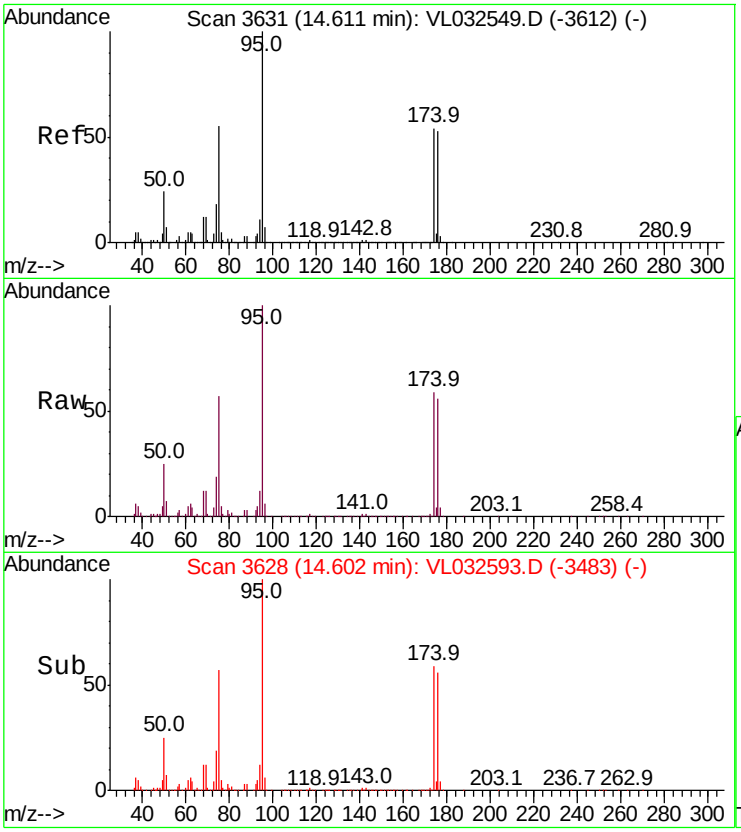




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

Tgt Ion:117 Resp: 2818657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 66.9 | 53.0 | 79.6 |
| 119 | 32.3 | 45.9 | 68.9# |






#68
1-Bromo-4-Fluorobenzene
Concen: 4.843 ppbv
RT: 14.60 min Scan# 3628
Delta R.T. -0.03 min
Lab File: VL032593.D
Acq: 3 Oct 2018 23:52

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

Tgt Ion: 95 Resp: 1029431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 0.0 | 46.3 | 69.5# |
| 175 | 0.0 | 3.4 | 5.0# |