Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122018\
Data File : VL033028.D
Acq On : 20 Dec 2018 16:44
Operator : SY/AP
Sample : J6444-01DL 20X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** YT-CBA-LTM5-05DL

Quant Time: Dec 21 06:31:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 1142968 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.29 | 114 | 2703751 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.25 | 117 | 2125667 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 2008582 | 12.79 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 127.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 9) Propene | 3.05 | 41 | 65477m | 1.913 | ppbv | |
| 13) Ethanol | 3.67 | 45 | 25127 | 2.132 | ppbv | 91 |
| 15) Acetone | 3.92 | 43 | 68012 | 0.693 | ppbv | 100 |
| 26) Hexane | 5.79 | 57 | 25571 | 0.239 | ppbv # | 44 |
| 53) Toluene | 9.95 | 91 | 2339747 | 11.093 | ppbv | 99 |

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

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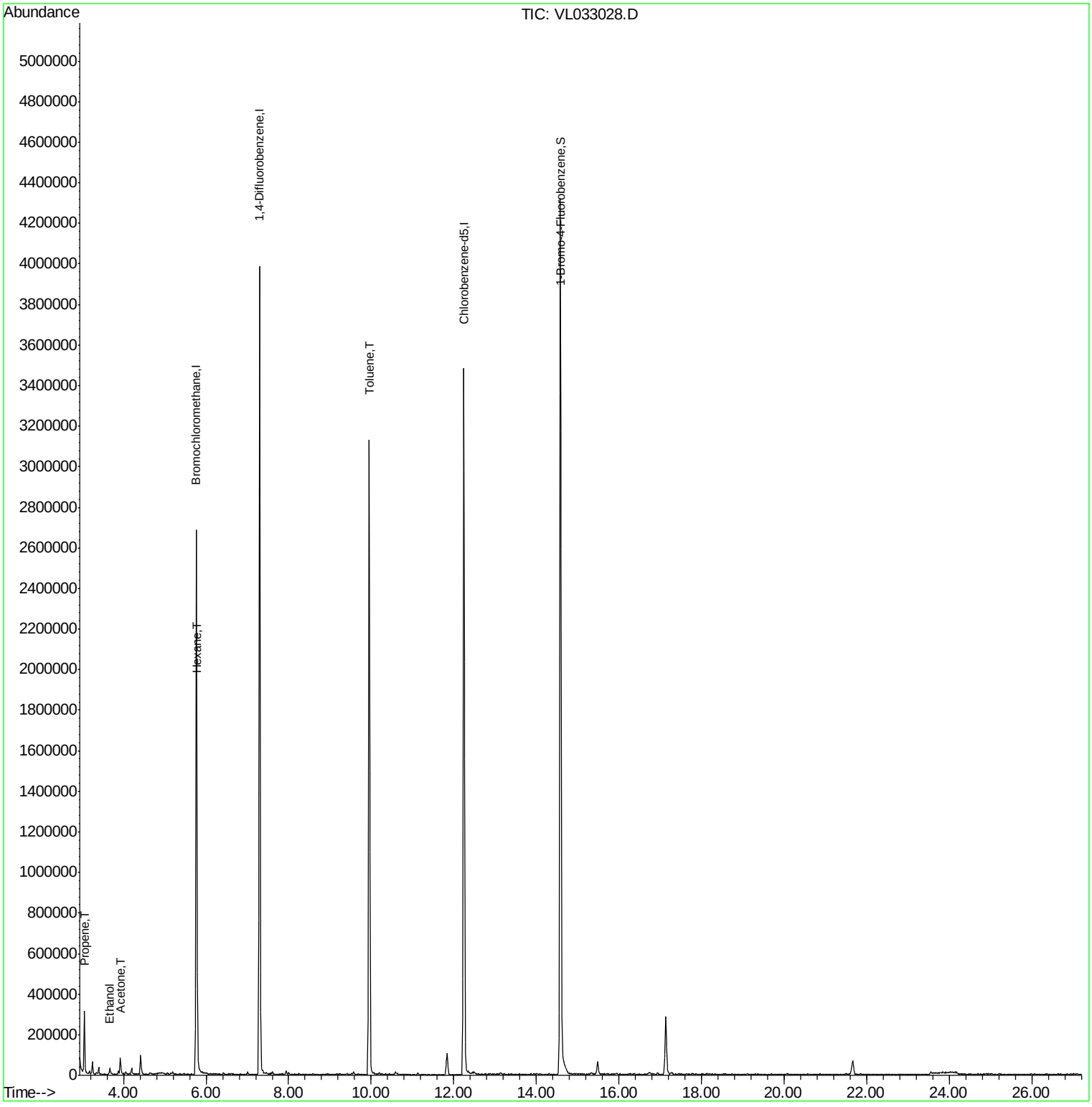
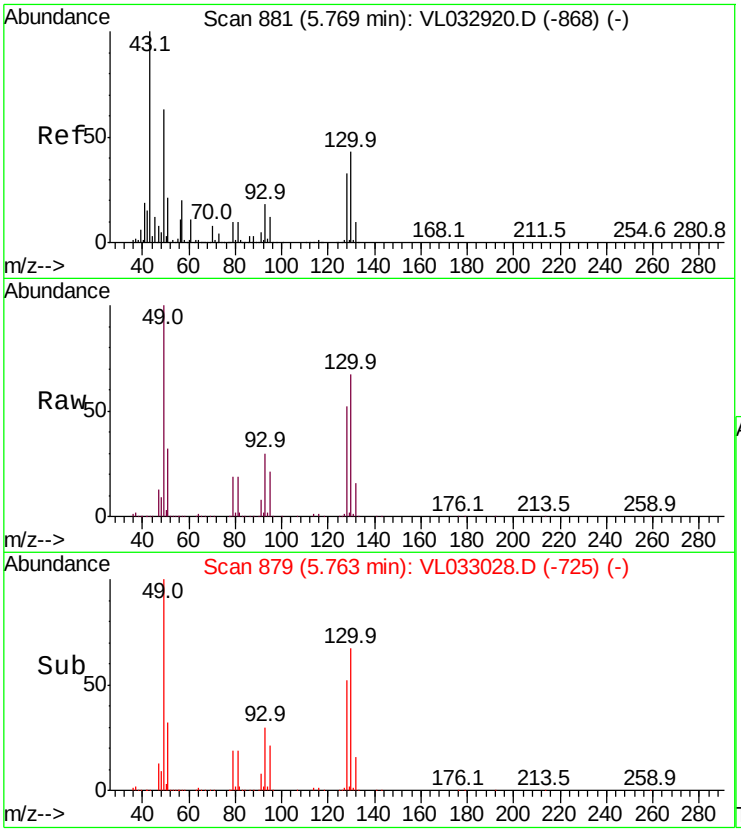


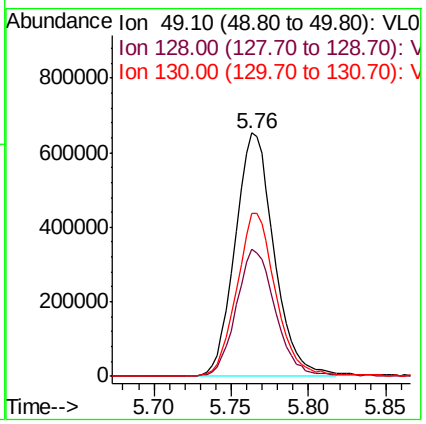


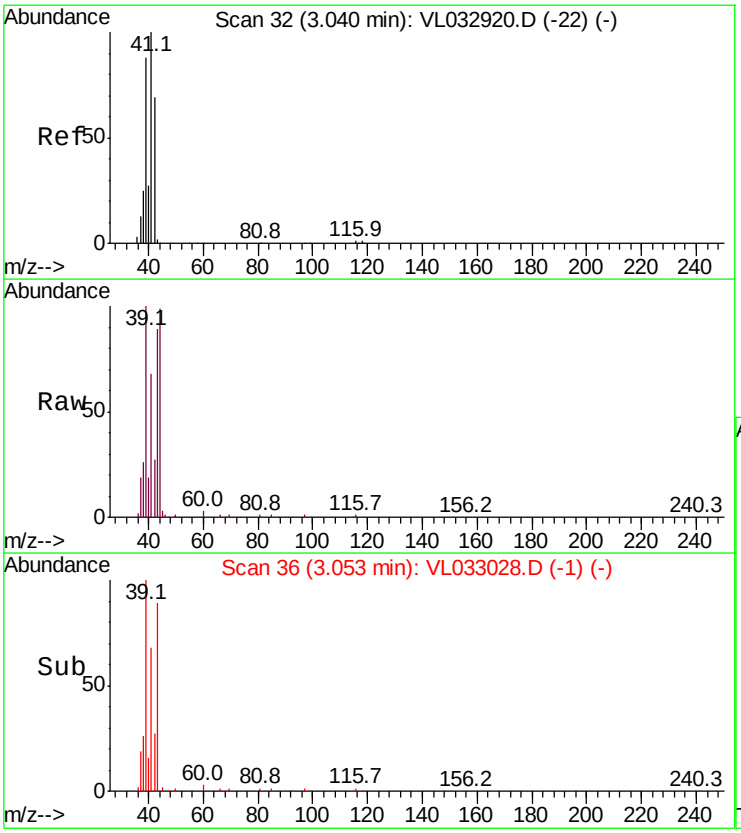

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

**Instrument :**
MSVOA_L
**ClientSampleId :**
YT-CBA-LTM5-05DL

Tgt Ion: 49 Resp: 1142968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 53.4 | 26.3 | 78.8 |
| 130 | 68.2 | 33.9 | 101.7 |

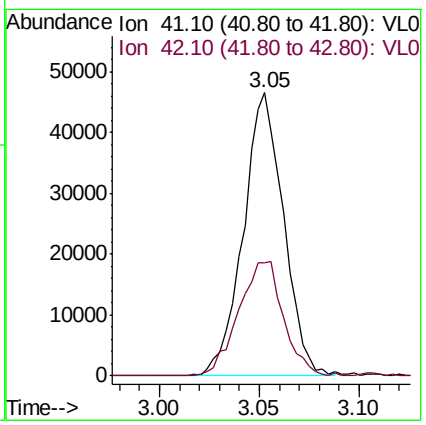


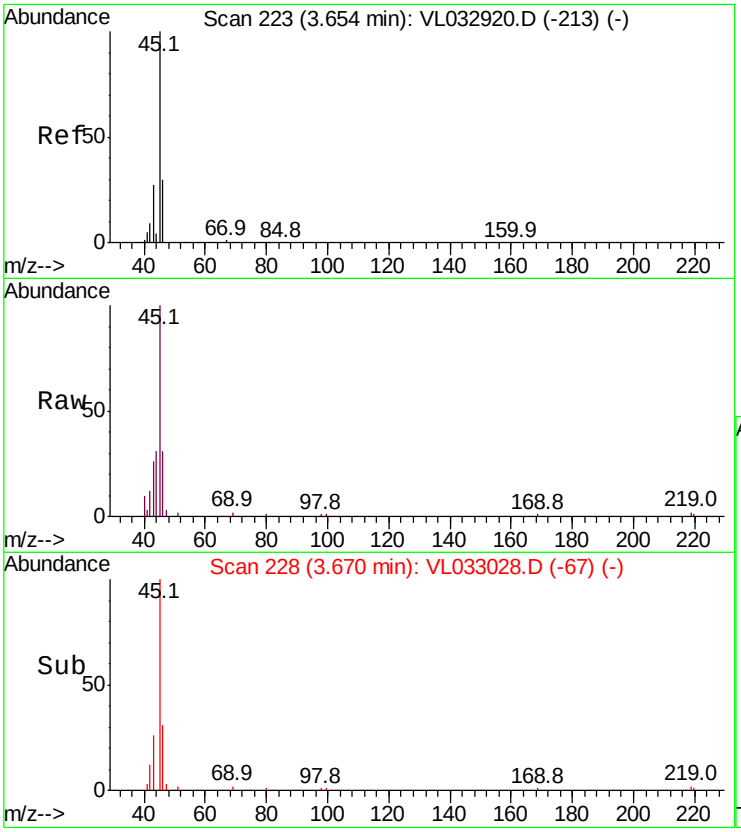




#9
Propene
Concen: 1.913 ppbv m
RT: 3.05 min Scan# 36
Delta R.T. 0.01 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

Tgt Ion: 41 Resp: 65477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 0.0 | 56.2 | 84.2# |



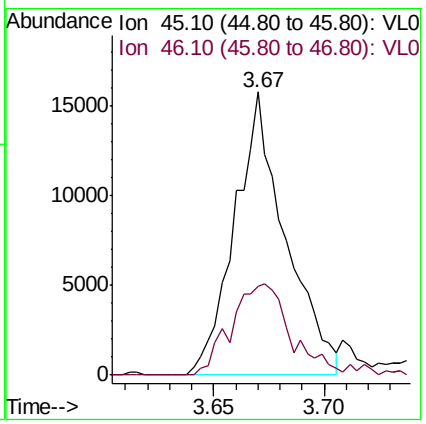


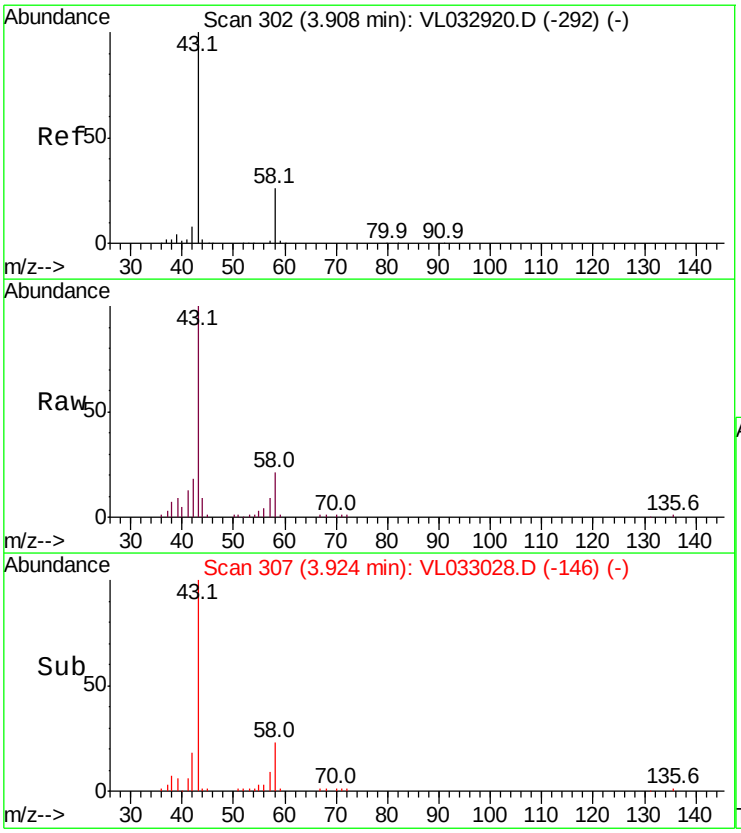

#13
Ethanol
Concen: 2.132 ppbv
RT: 3.67 min Scan# 228
Delta R.T. 0.02 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

**Instrument :**
MSVOA_L
**ClientSampleId :**
YT-CBA-LTM5-05DL

Tgt Ion: 45 Resp: 25127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 39.9 | 13.8 | 55.4 |

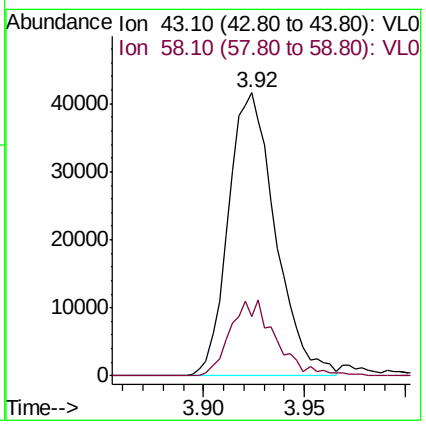


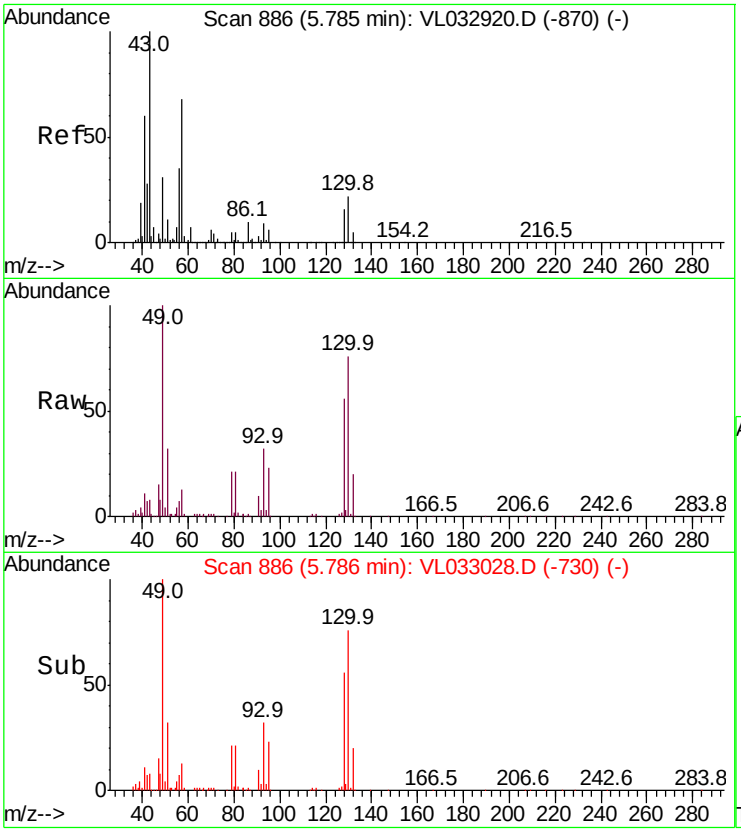




#15
Acetone
Concen: 0.693 ppbv
RT: 3.92 min Scan# 307
Delta R.T. 0.02 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

Tgt Ion: 43 Resp: 68012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.8 | 20.6 | 30.8 |



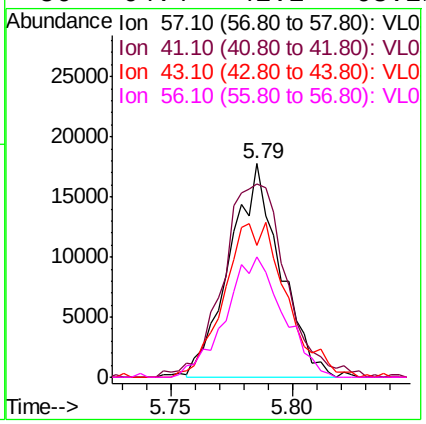


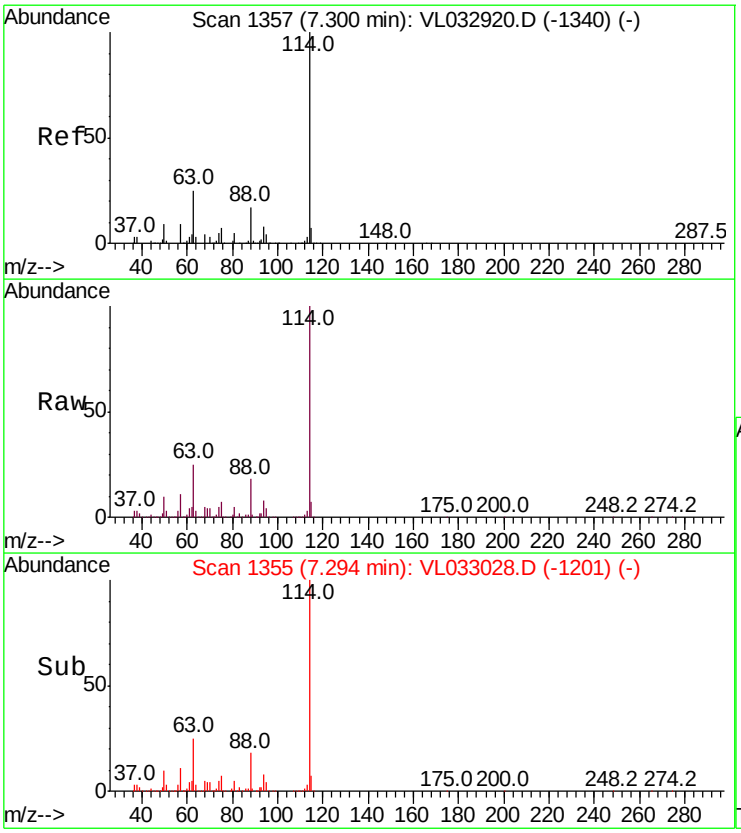

#26
Hexane
Concen: 0.239 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

**Instrument :**
MSVOA_L
**ClientSampleId :**
YT-CBA-LTM5-05DL

Tgt Ion: 57 Resp: 25571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 113.6 | 72.2 | 108.2# |
| 43 | 89.7 | 171.9 | 257.9# |
| 56 | 64.4 | 42.2 | 63.2# |

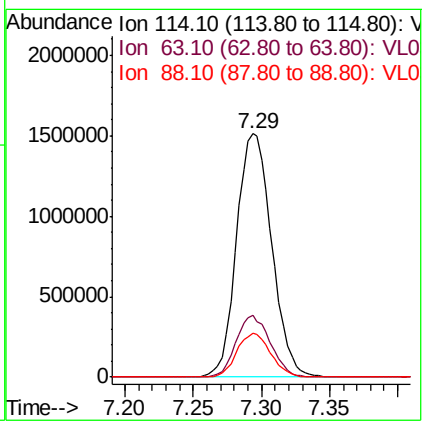


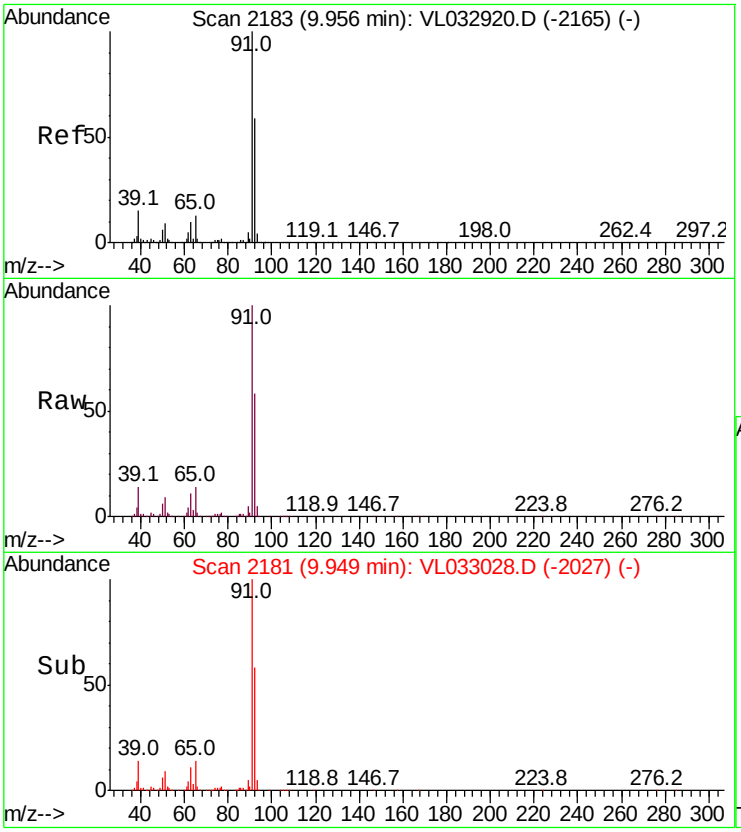




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

Tgt Ion:114 Resp: 2703751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.9 | 20.1 | 30.1 |
| 88 | 17.5 | 14.2 | 21.4 |



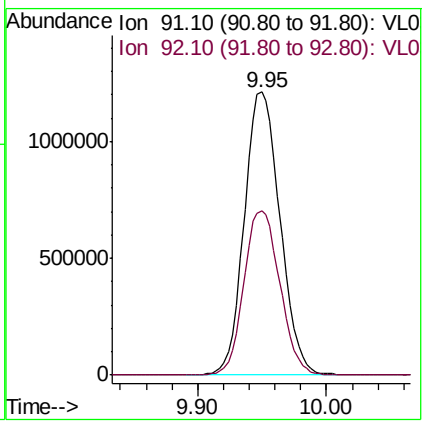


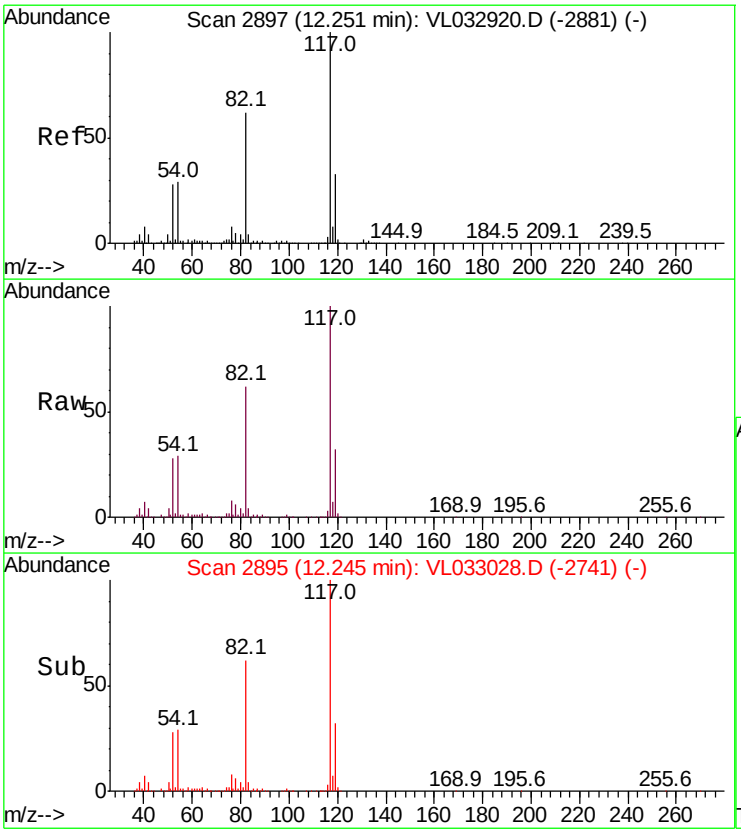

#53
Toluene
Concen: 11.093 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

**Instrument :**
MSVOA_L
**ClientSampleId :**
YT-CBA-LTM5-05DL

Tgt Ion: 91 Resp: 2339747

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

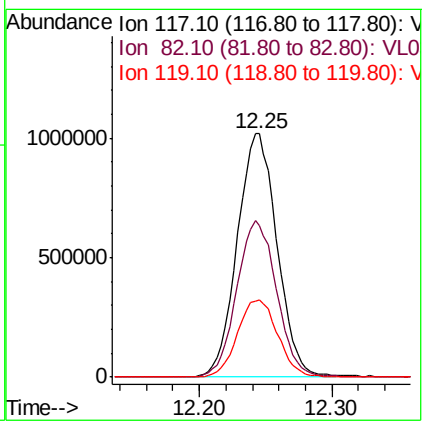


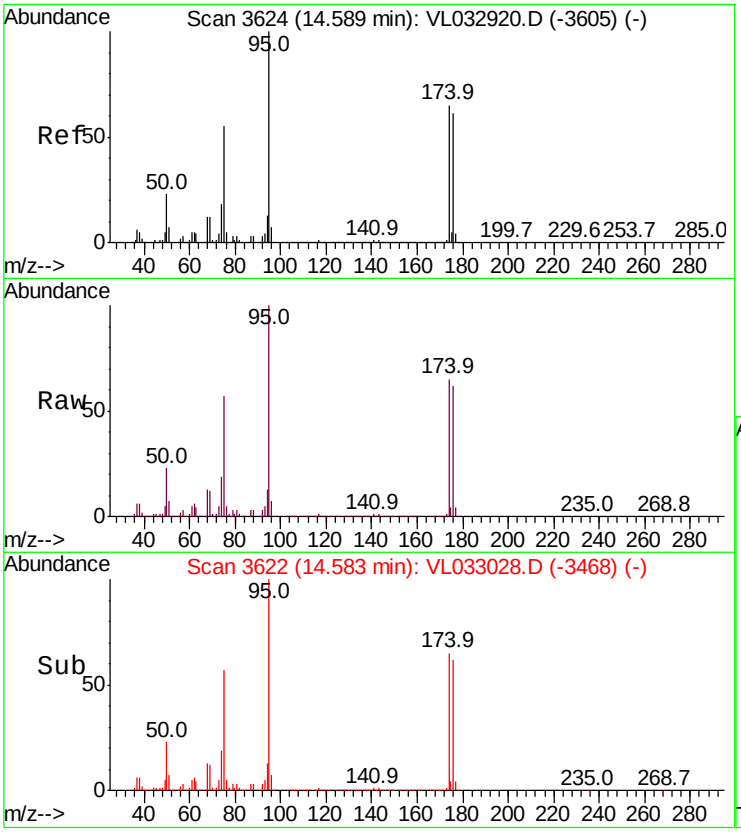




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

Tgt Ion:117 Resp: 2125667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 64.6 | 47.8 | 71.8 |
| 119 | 32.4 | 43.1 | 64.7# |






#68
1-Bromo-4-Fluorobenzene
Concen: 12.790 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033028.D
Acq: 20 Dec 2018 16:44

**Instrument :**
MSVOA_L
**ClientSampleId :**
YT-CBA-LTM5-05DL

Tgt Ion: 95 Resp: 2008582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.9 | 51.4 | 77.0 |
| 175 | 4.7 | 3.8 | 5.6 |