Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\
Data File : VL033220.D
Acq On : 15 Feb 2019 5:28
Operator : SY/AP
Sample : K1483-08DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 15 06:56:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 739974 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.29 | 114 | 1923493 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.24 | 117 | 1920008 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 1565641 | 10.59 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 105.90% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Ethanol | 3.67 | 45 | 7031m | 0.490 | ppbv | |
| 15) Acetone | 3.92 | 43 | 33915 | 0.407 | ppbv | 96 |
| 20) Methylene Chloride | 4.41 | 84 | 11103m | 0.335 | ppbv | |
| 59) m/p-Xylene | 13.13 | 91 | 33441m | 0.129 | ppbv | |

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

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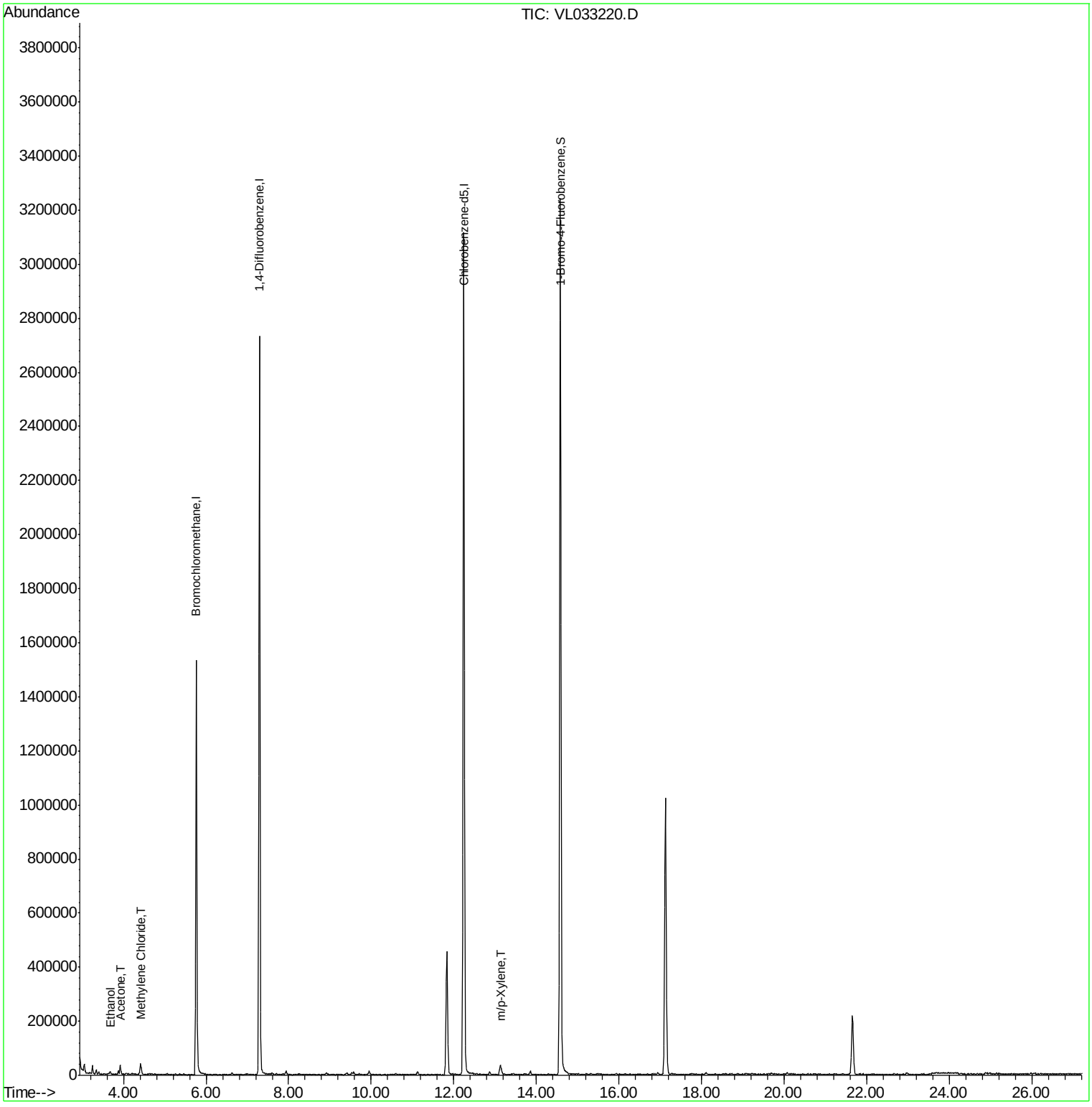
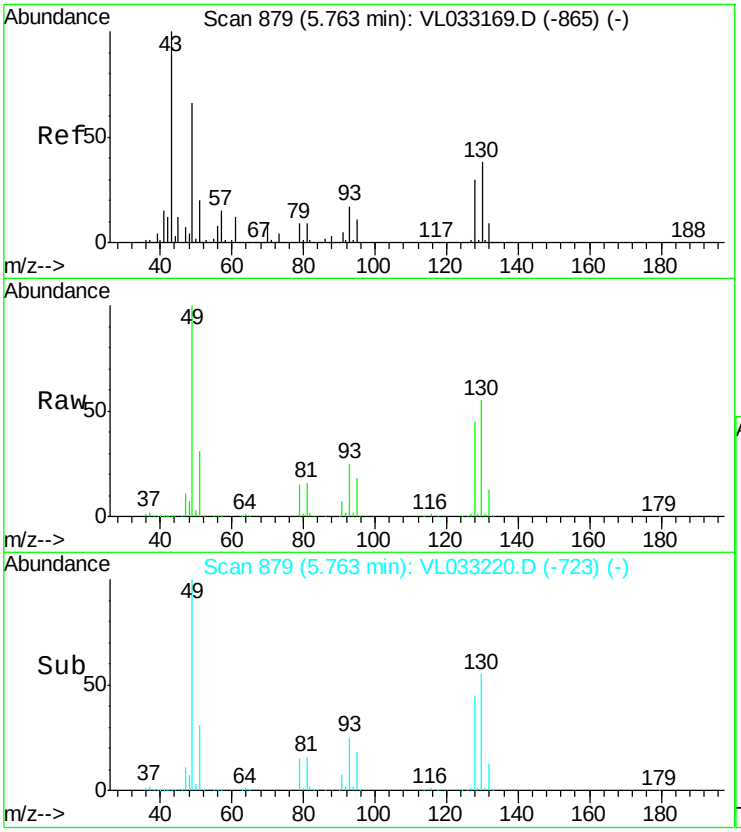


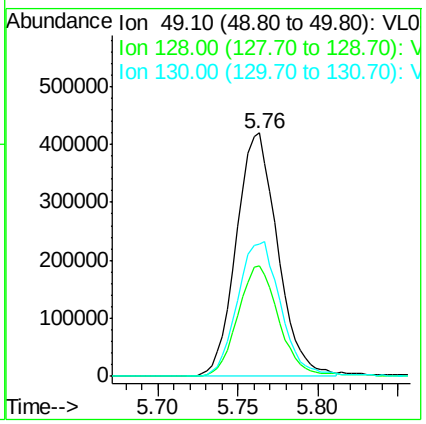


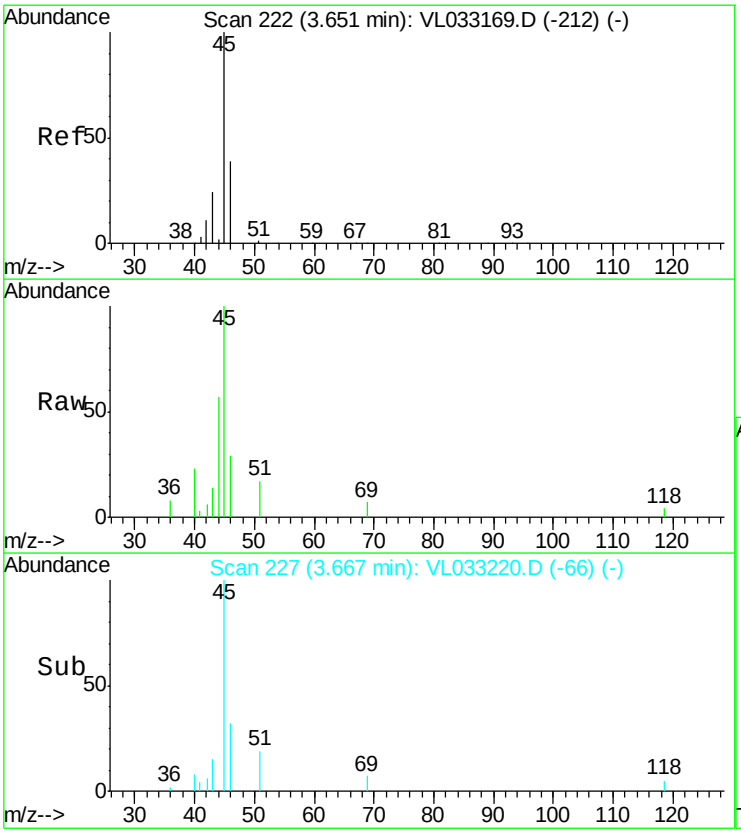

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

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

Tgt Ion: 49 Resp: 739974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 45.2 | 23.6 | 71.0 |
| 130 | 58.7 | 30.3 | 91.0 |

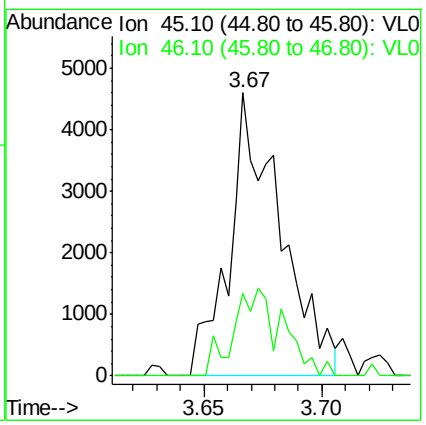


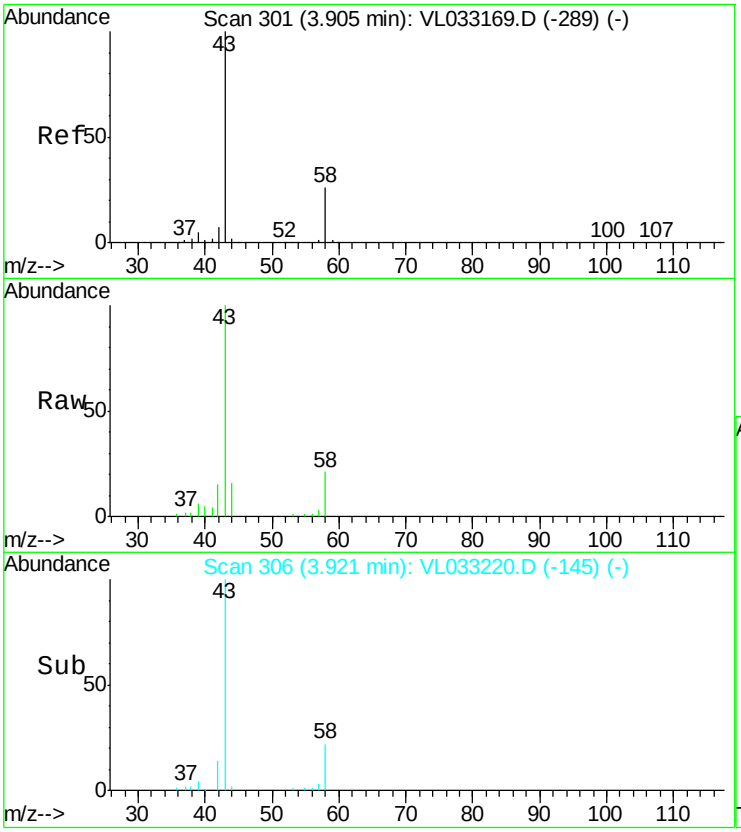




#13
Ethanol
Concen: 0.490 ppbv m
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

Tgt Ion: 45 Resp: 7031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 0.0 | 15.0 | 60.2# |



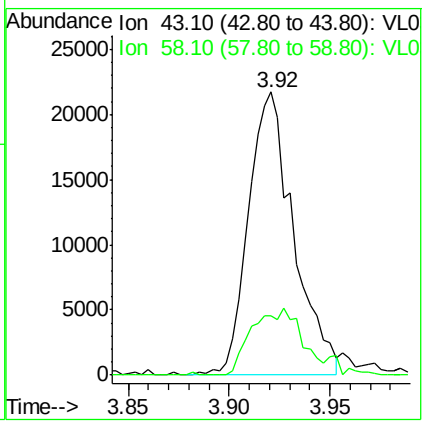


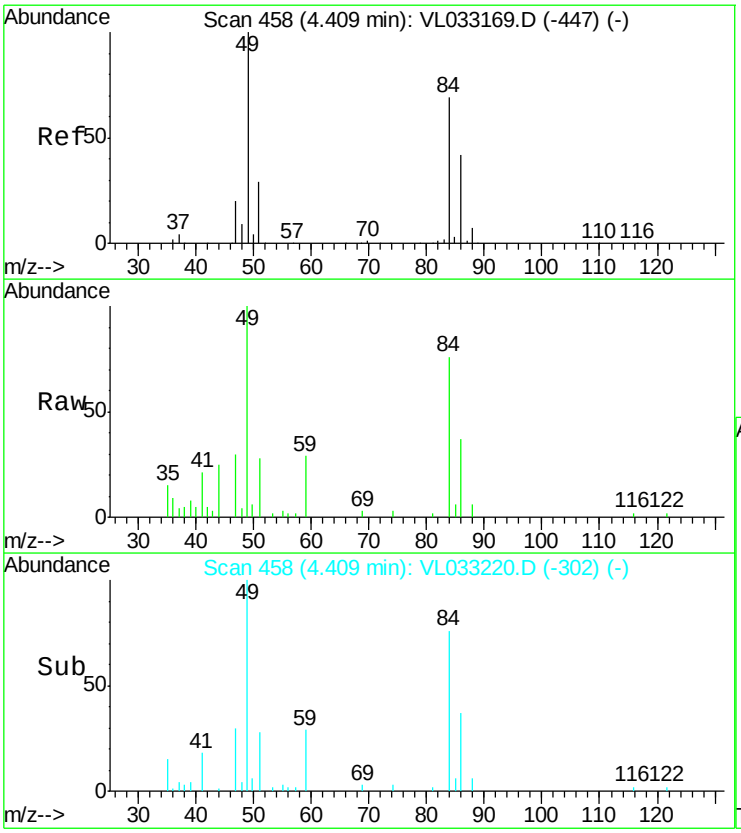

#15
Acetone
Concen: 0.407 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.02 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

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

Tgt Ion: 43 Resp: 33915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 21.1 | 31.7 |

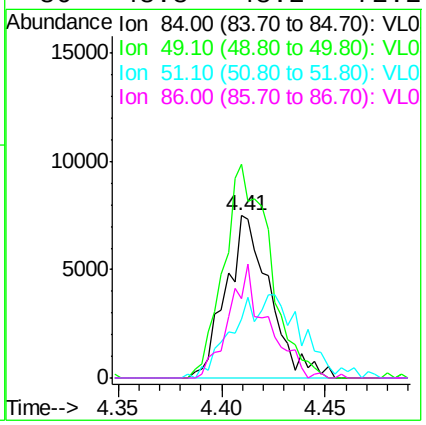


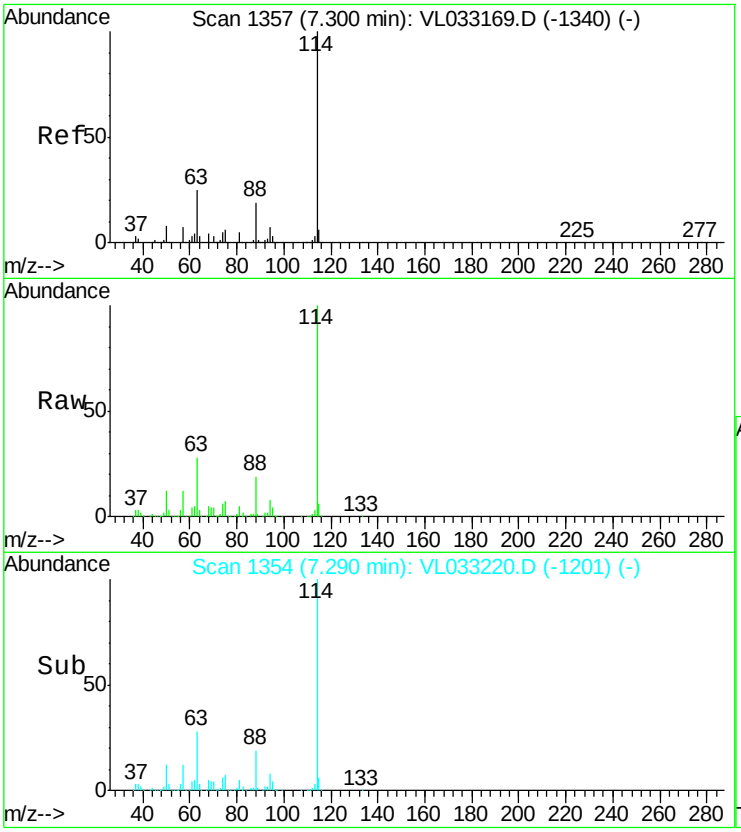




#20
Methylene Chloride
Concen: 0.335 ppbv m
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

Tgt Ion: 84 Resp: 11103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.8 | 115.8 | 173.8 |
| 51 | 36.7 | 33.0 | 49.6 |
| 86 | 48.8 | 48.2 | 72.2 |



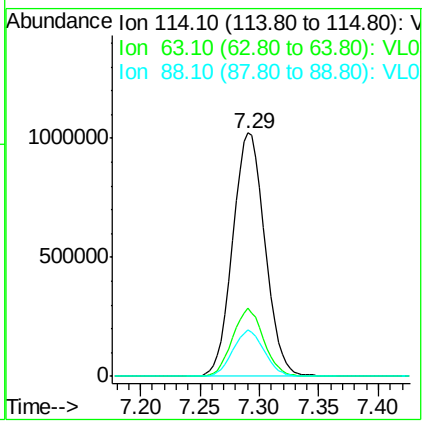


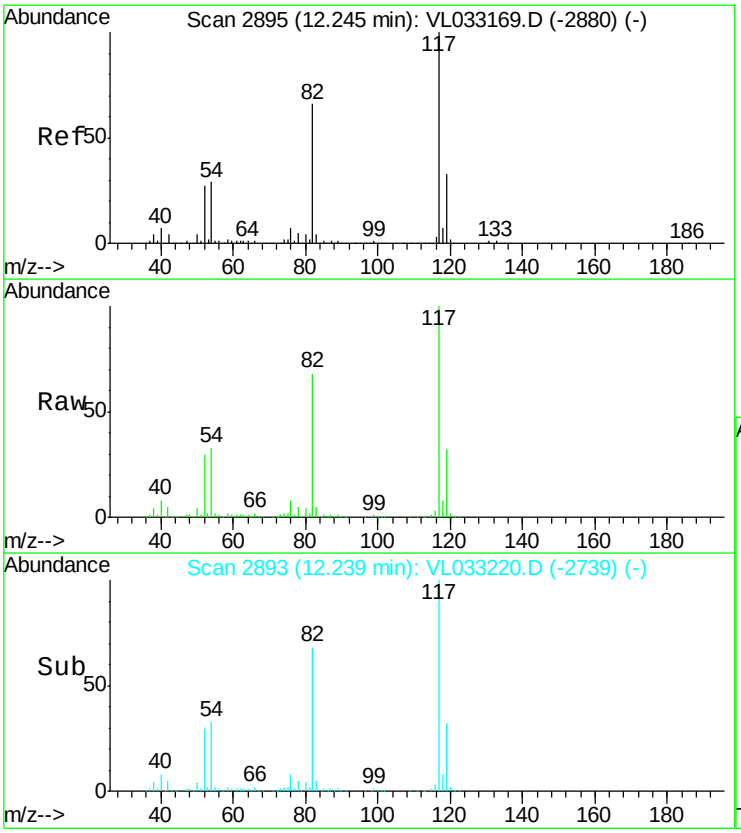

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

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

Tgt Ion:114 Resp: 1923493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 27.1 | 20.8 | 31.2 |
| 88 | 18.5 | 14.6 | 22.0 |

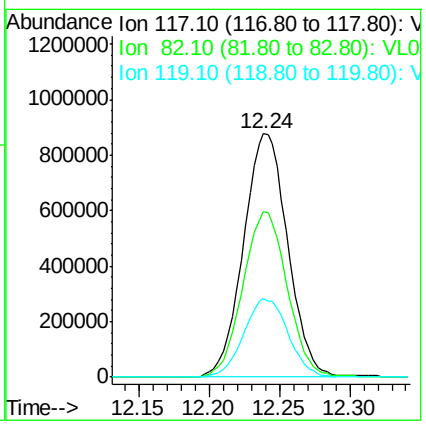


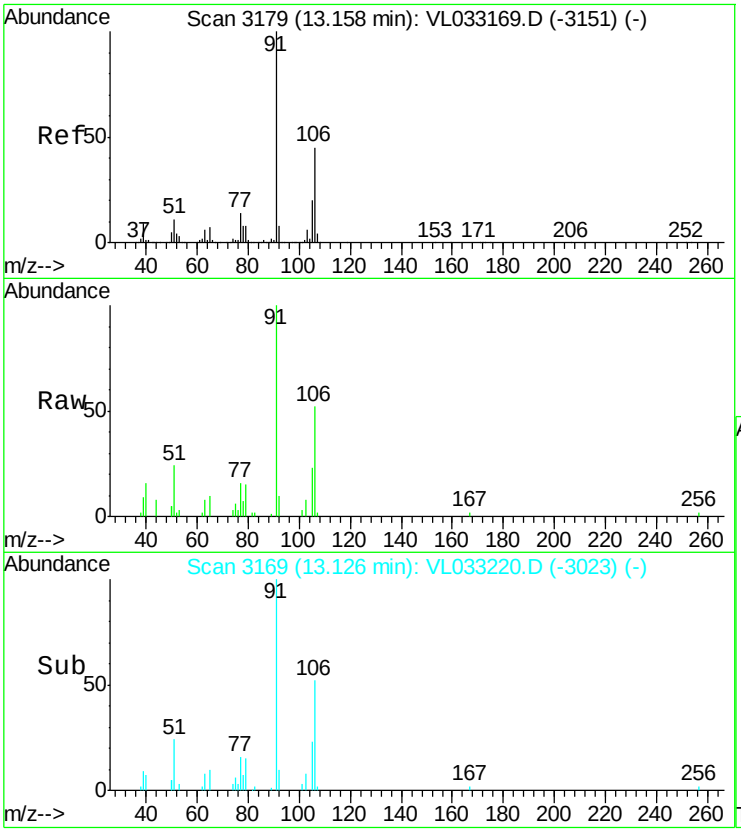




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

Tgt Ion:117 Resp: 1920008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 68.5 | 49.5 | 74.3 |
| 119 | 32.5 | 24.4 | 36.6 |



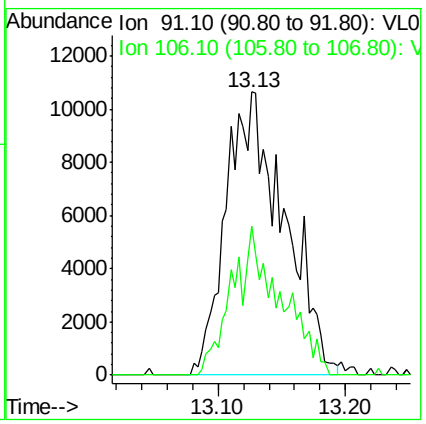


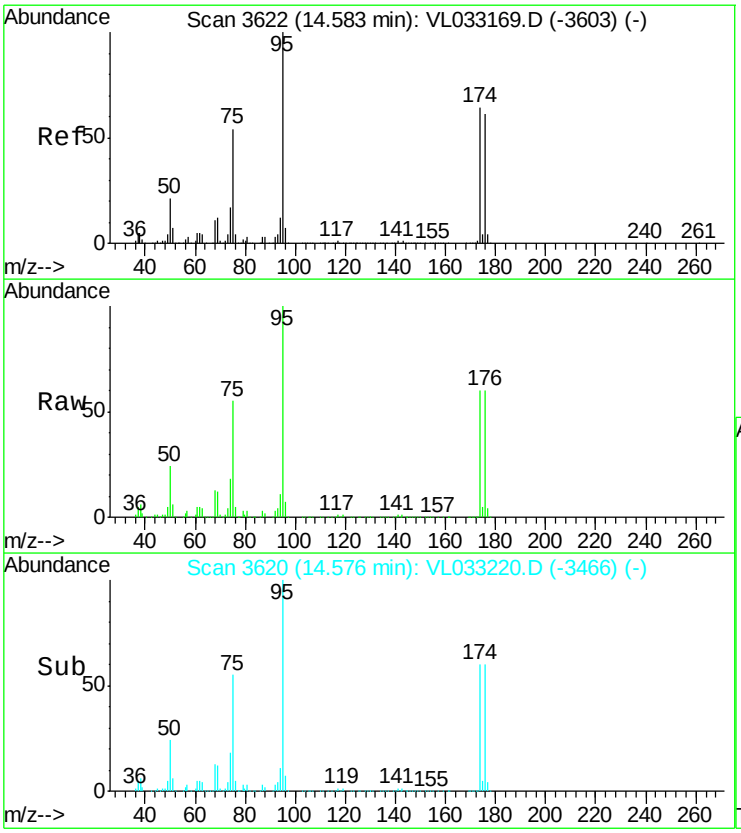

#59
m/p-Xylene
Concen: 0.129 ppbv m
RT: 13.13 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

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

Tgt Ion: 91 Resp: 33441

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




#68
1-Bromo-4-Fluorobenzene
Concen: 10.588 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033220.D
Acq: 15 Feb 2019 5:28

Tgt Ion: 95 Resp: 1565641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.4 | 51.2 | 76.8 |
| 175 | 4.7 | 3.8 | 5.6 |