Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL111919\
Data File : VL034398.D
Acq On : 20 Nov 2019 3:27
Operator : SY/AP
Sample : K5924-03DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** OA1DL2

Quant Time: Nov 20 04:07:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 20 03:30:54 2019
QLast Update : Wed Nov 20 03:30:54 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.67 | 49 | 913819 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.20 | 114 | 1764423 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.14 | 117 | 1773195 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.47 | 95 | 1527663 | 10.24 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Ethanol | 3.61 | 45 | 1121 | 0.076 | ppbv | # 40 |
| 15) Acetone | 3.85 | 43 | 25607 | 0.196 | ppbv | # 81 |
| 20) Methylene Chloride | 4.33 | 84 | 1535 | 0.033 | ppbv | # 55 |
| 30) Cyclohexane | 7.19 | 84 | 3131 | 0.041 | ppbv | # 1 |
| 39) 1,2-Dichloropropane | 7.20 | 63 | 533843 | 7.140 | ppbv | # 23 |

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 20 03:30:54 2019
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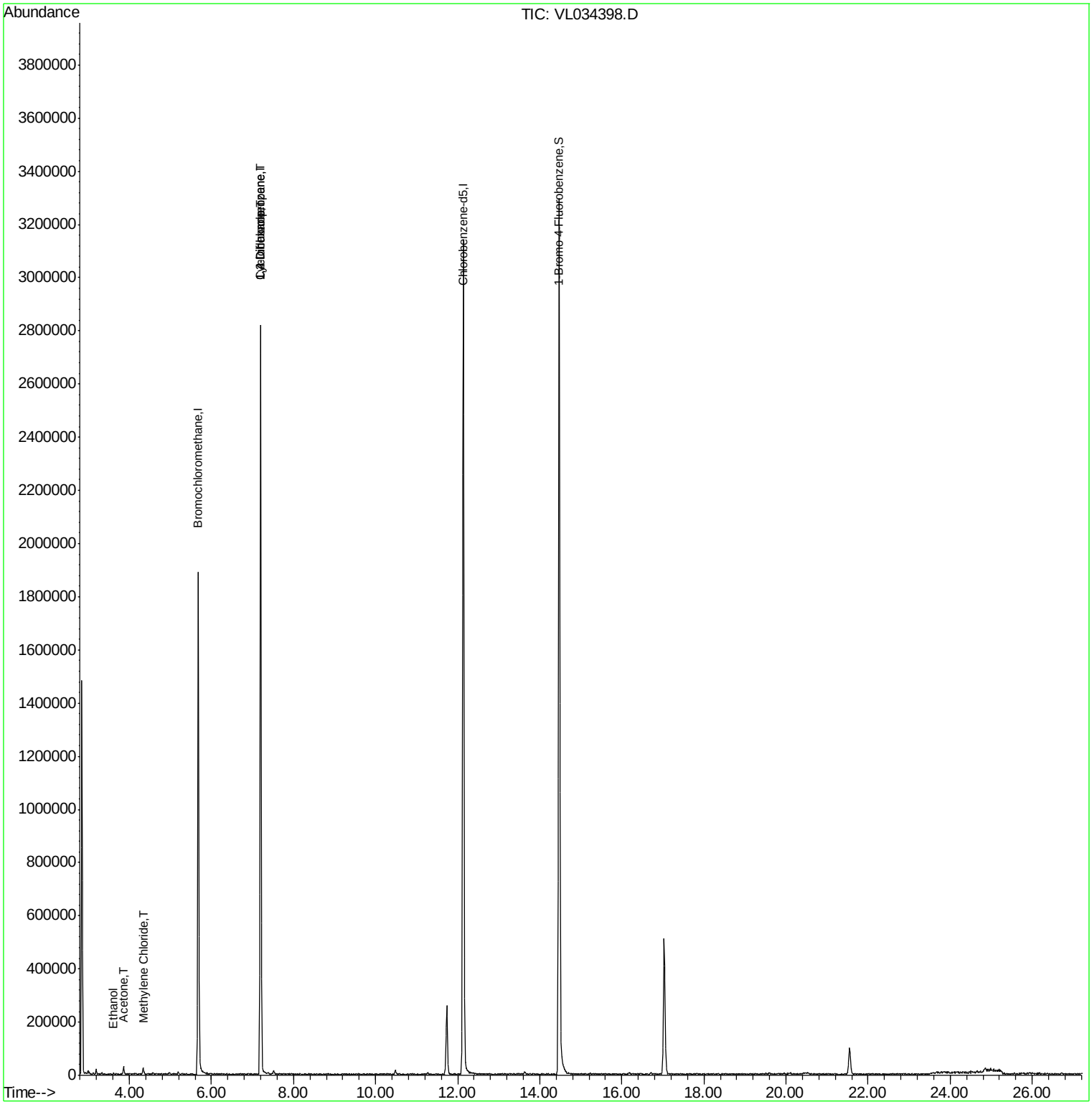
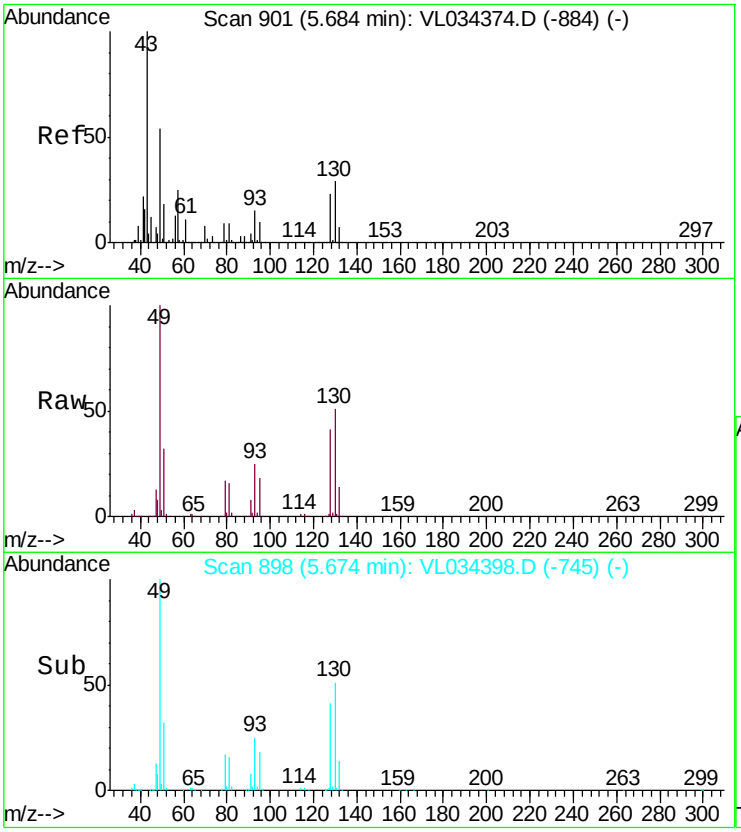


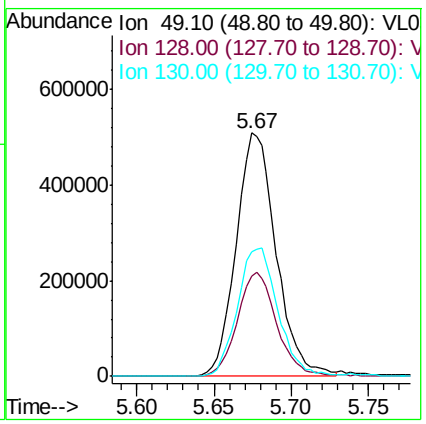


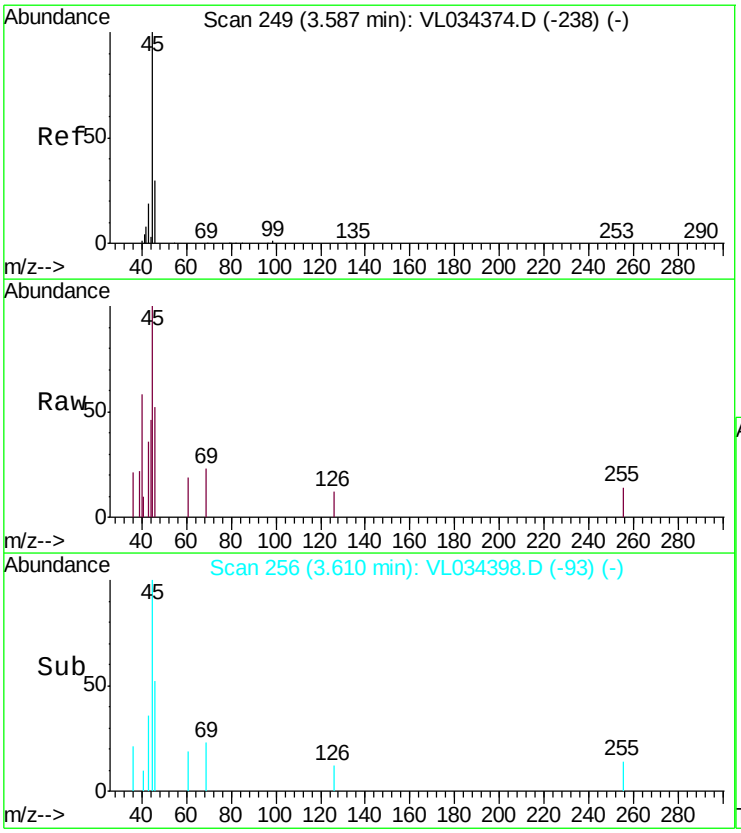

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

**Instrument :** MSVOA_L
**ClientSampleId :** OA1DL2

Tgt Ion: 49 Resp: 913819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 42.4 | 21.8 | 65.3 |
| 130 | 54.5 | 28.0 | 84.0 |

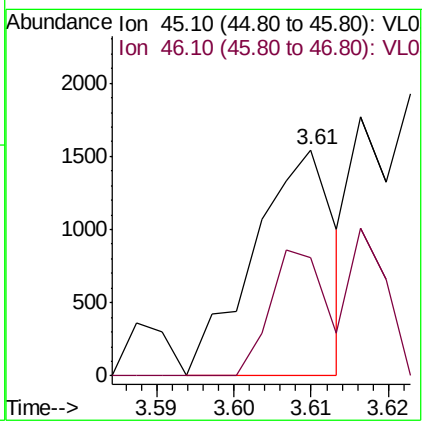


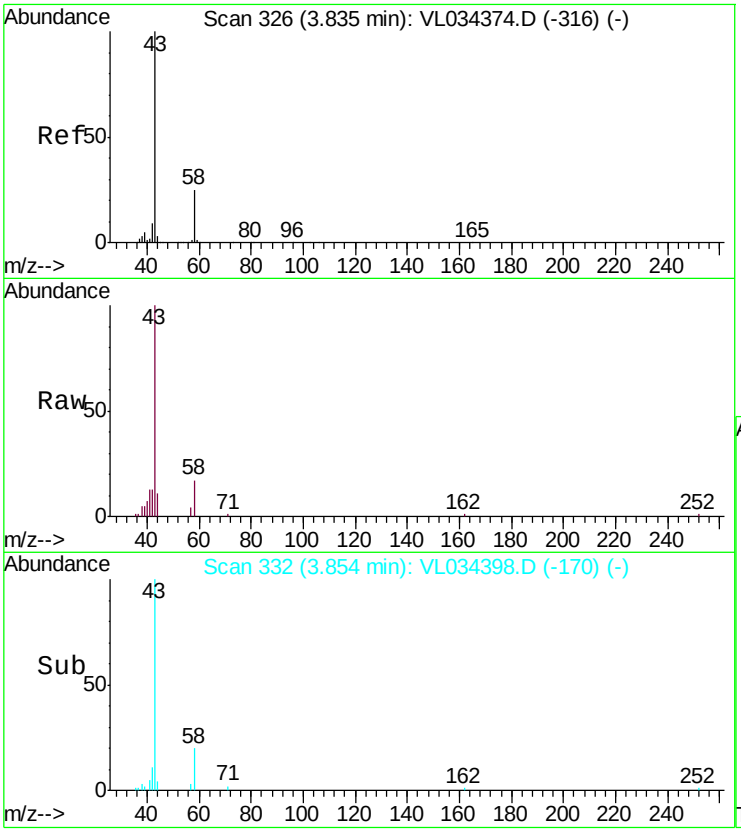




#13
Ethanol
Concen: 0.076 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

Tgt Ion: 45 Resp: 1121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 0.0 | 13.8 | 55.4# |



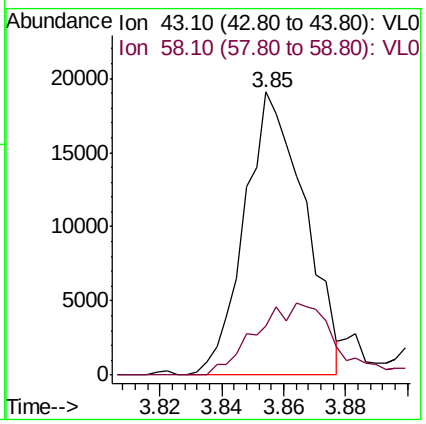


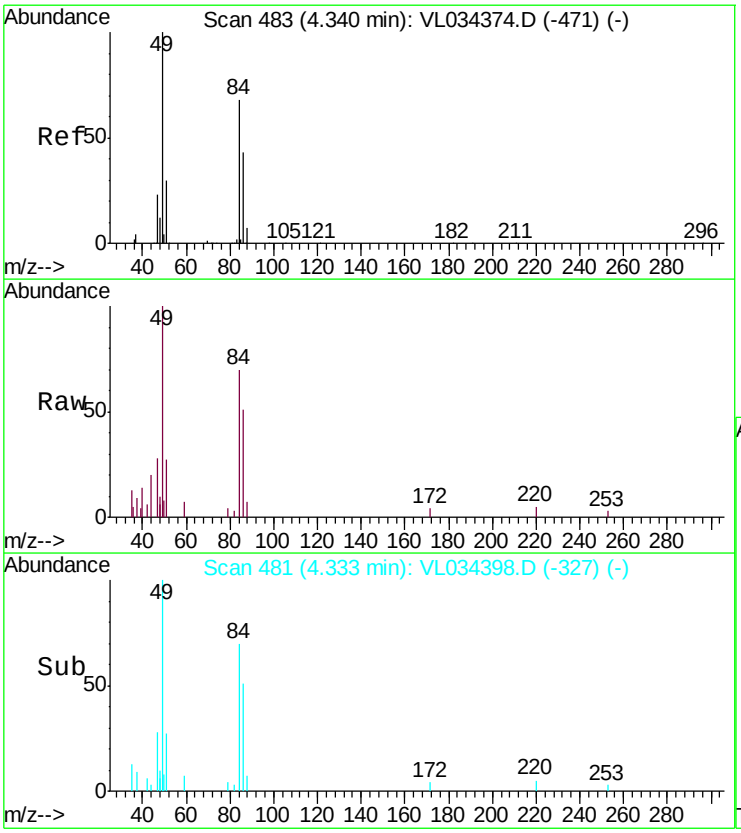

#15
Acetone
Concen: 0.196 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

**Instrument :** MSVOA_L
**ClientSampleId :** OA1DL2

Tgt Ion: 43 Resp: 25607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 20.2 | 30.4# |

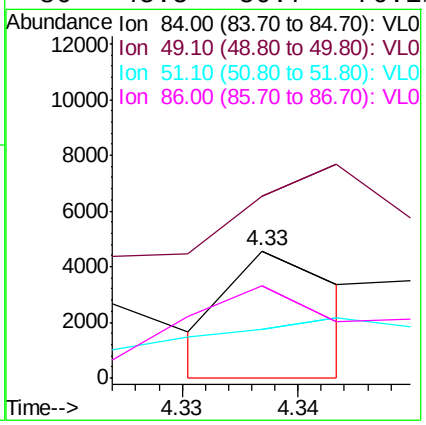


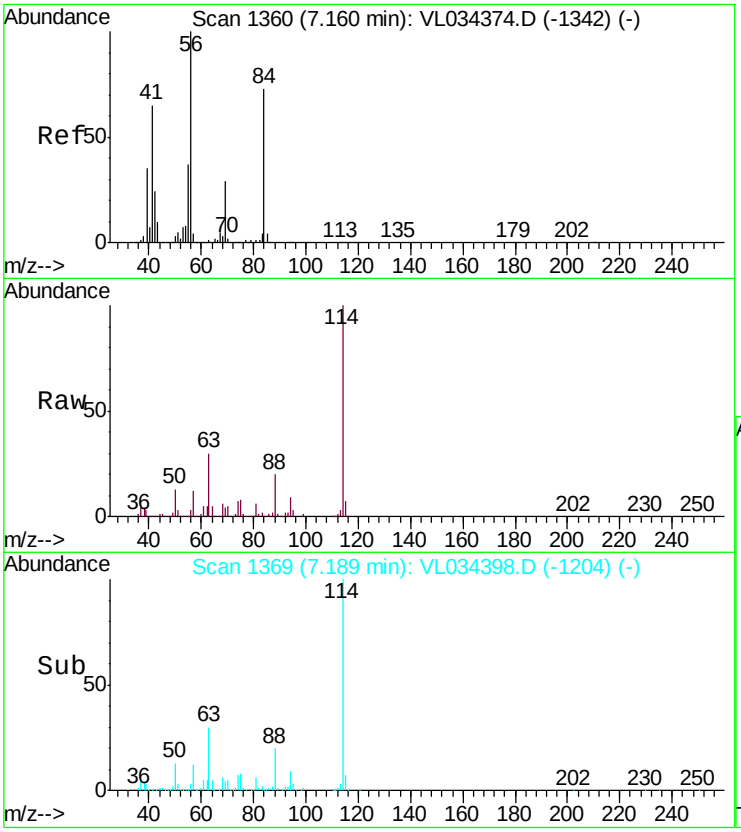




#20
Methylene Chloride
Concen: 0.033 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

Tgt Ion: 84 Resp: 1535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 81.0 | 116.8 | 175.2# |
| 51 | 9.3 | 35.6 | 53.4# |
| 86 | 45.5 | 50.7 | 76.1# |



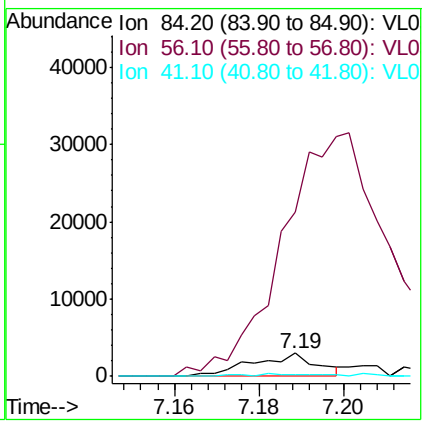


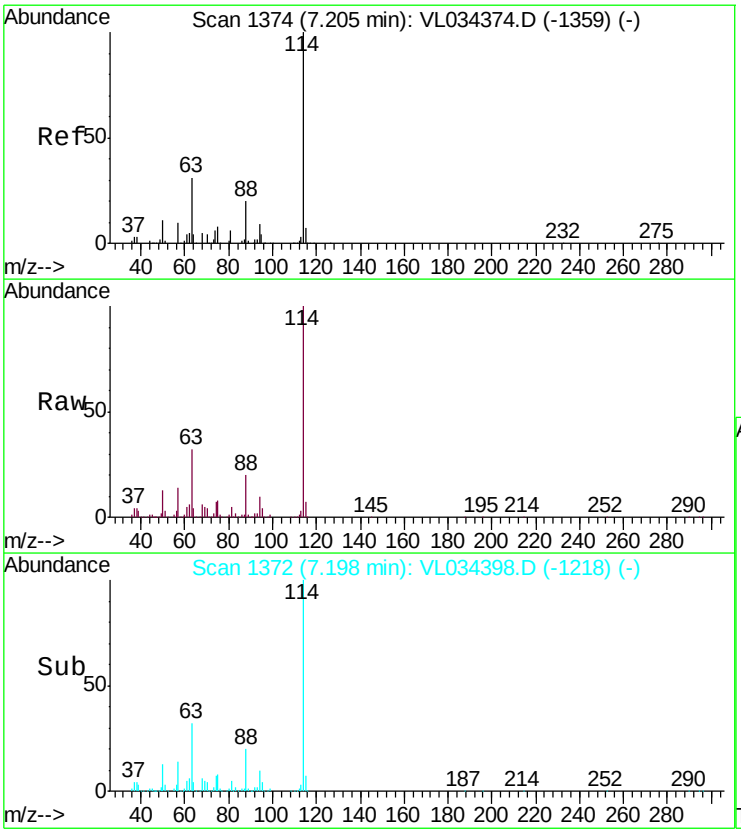

#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

**Instrument :** MSVOA_L
**ClientSampleId :** OA1DL2

Tgt Ion: 84 Resp: 3131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 0.0 | 112.6 | 169.0# |
| 41 | 16.3 | 73.4 | 110.2# |

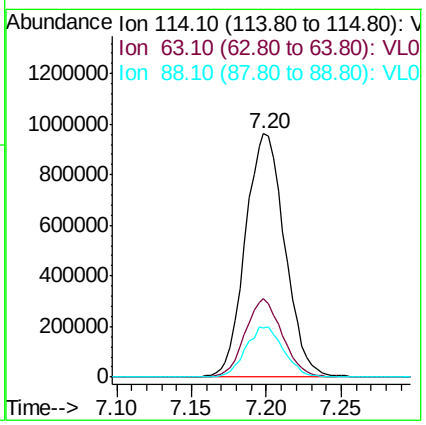


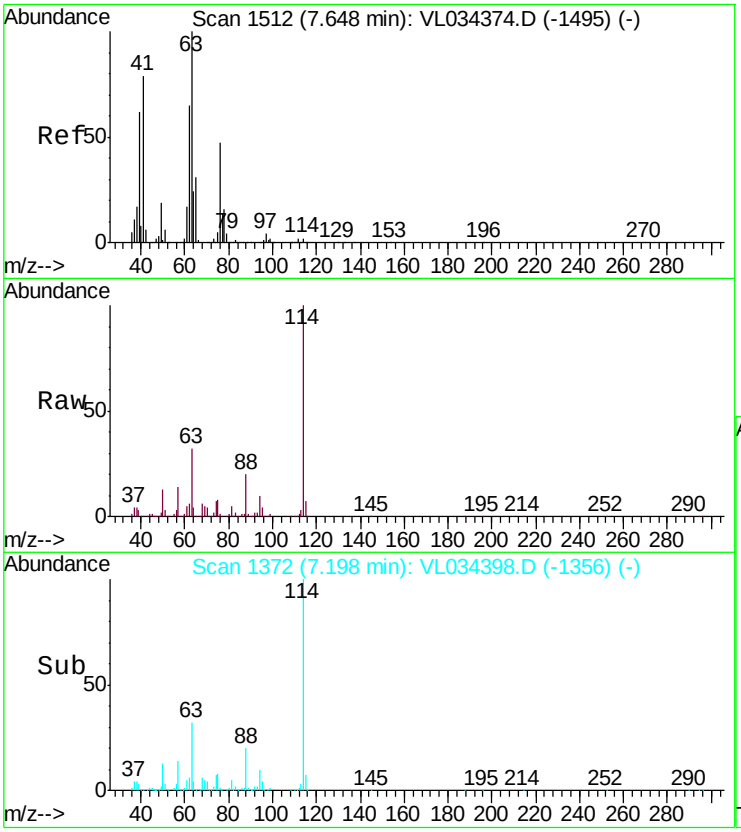




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

Tgt Ion:114 Resp: 1764423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 30.5 | 24.2 | 36.4 |
| 88 | 19.9 | 15.9 | 23.9 |



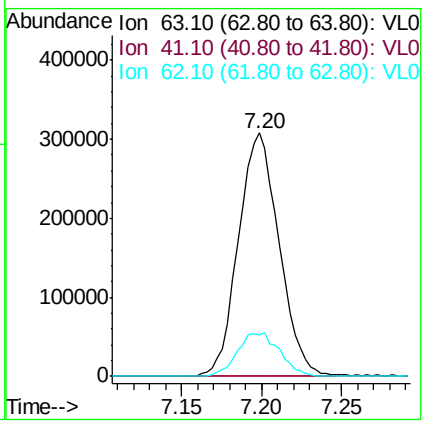


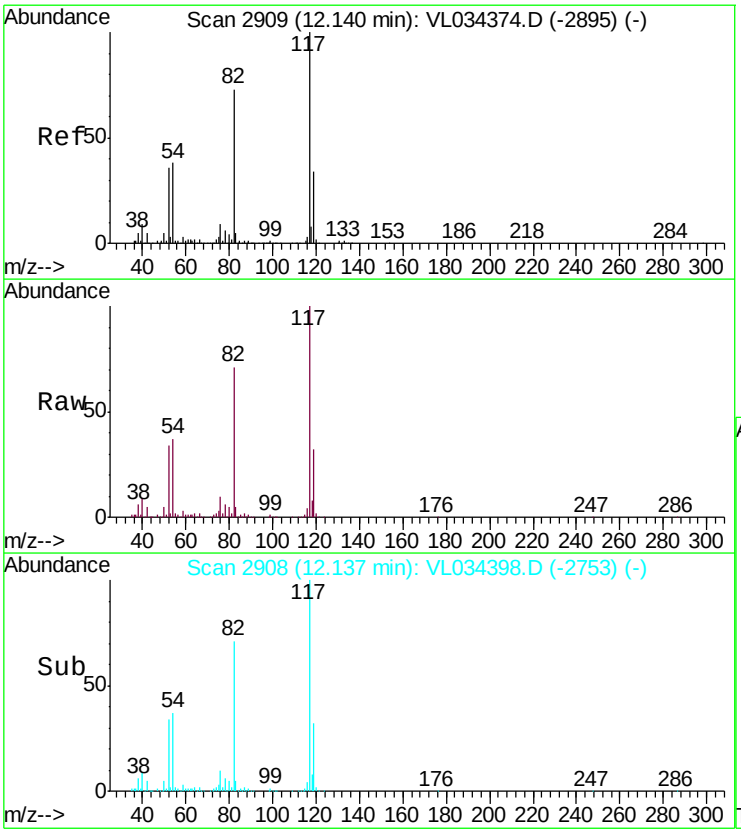

#39
1,2-Dichloropropane
Concen: 7.140 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.45 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

**Instrument :** MSVOA_L
**ClientSampleId :** OA1DL2

Tgt Ion: 63 Resp: 533843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.1 | 63.1 | 94.7# |
| 62 | 17.3 | 52.3 | 78.5# |

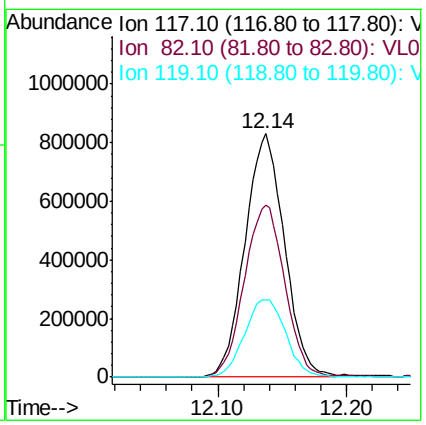


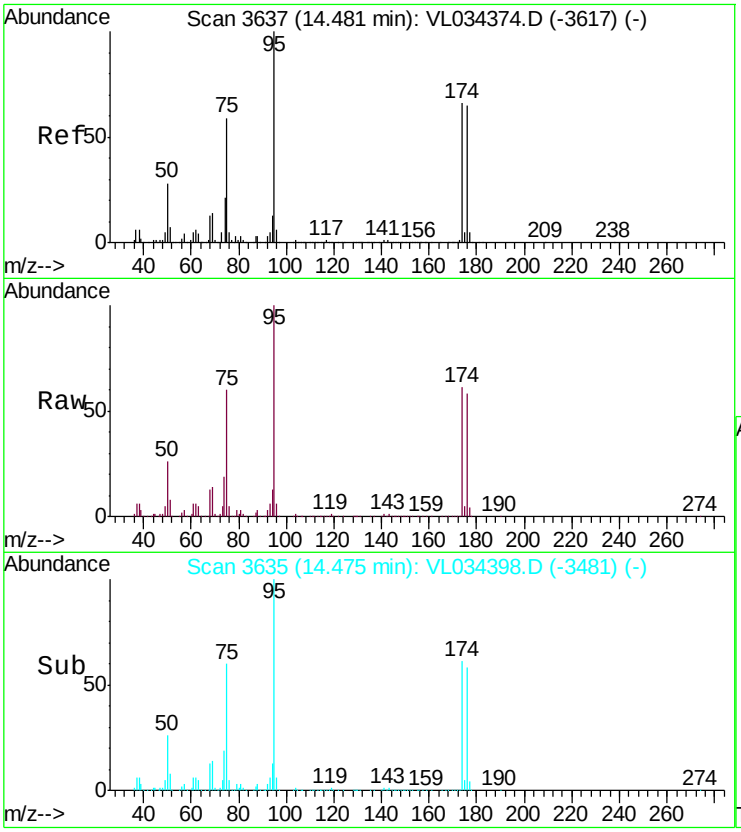




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

Tgt Ion:117 Resp: 1773195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 73.2 | 57.5 | 86.3 |
| 119 | 33.6 | 25.4 | 38.2 |






#68
1-Bromo-4-Fluorobenzene
Concen: 10.241 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034398.D
Acq: 20 Nov 2019 3:27

**Instrument :**
MSVOA_L
**ClientSampleId :**
OA1DL2

Tgt Ion: 95 Resp: 1527663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.9 | 52.2 | 78.2 |
| 175 | 4.7 | 3.8 | 5.8 |