Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\

Quantitation Report (Not Reviewed)

Data File : VL031972.D
Acq On : 3 May 2018 21:19
Operator : SY/AP
Sample : J2629-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** IA2DL

Quant Time: May 04 03:27:35 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.88 | 49 | 1229818 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.42 | 114 | 2527866 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.39 | 117 | 2521891 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.72 | 95 | 2011711 | 10.29 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.90% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.16 | 85 | 8352 | 0.05 | ppbv | # | 87 |
| 3) Chlorodifluoromethane | 3.07 | 51 | 26180 | 0.23 | ppbv | # | 62 |
| 4) Chloromethane | 3.25 | 50 | 3679 | 0.06 | ppbv | # | 81 |
| 9) Propene | 3.13 | 41 | 1561 | 0.04 | ppbv | | 95 |
| 13) Ethanol | 3.75 | 45 | 83138 | 5.25 | ppbv | # | 100 |
| 15) Acetone | 4.01 | 43 | 92228 | 0.53 | ppbv | | 96 |
| 19) Isopropyl Alcohol | 4.14 | 45 | 47793 | 0.51 | ppbv | # | 89 |
| 20) Methylene Chloride | 4.51 | 84 | 16047 | 0.27 | ppbv | | 92 |
| 23) Vinyl Acetate | 5.27 | 43 | 3367 | 0.02 | ppbv | # | 87 |
| 25) Ethyl Acetate | 5.90 | 43 | 16337 | 0.05 | ppbv | # | 88 |
| 26) Hexane | 5.90 | 57 | 10063 | 0.07 | ppbv | # | 36 |
| 39) 1,2-Dichloropropane | 7.42 | 63 | 669137 | 8.07 | ppbv | # | 24 |

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

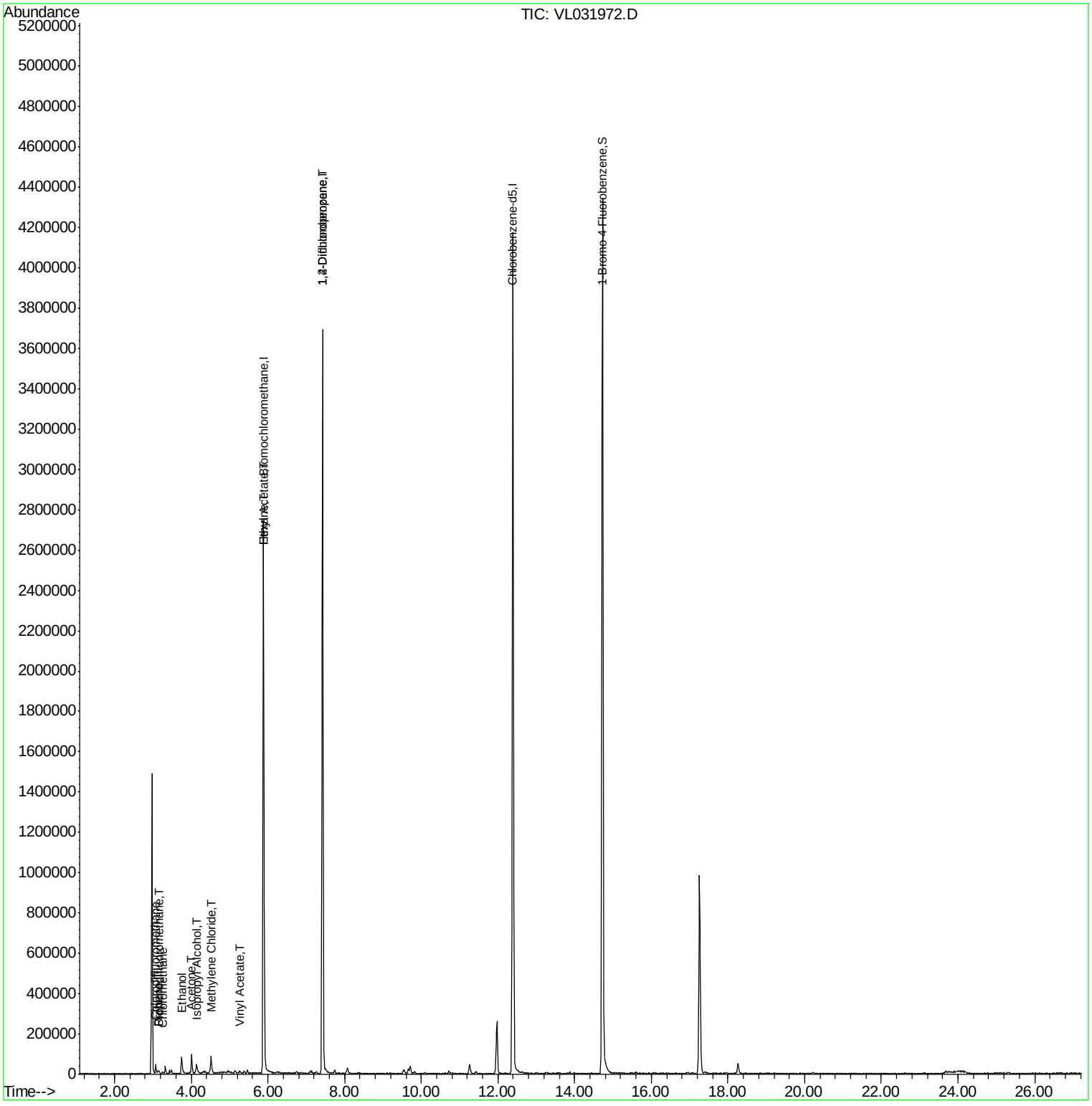
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL050318\

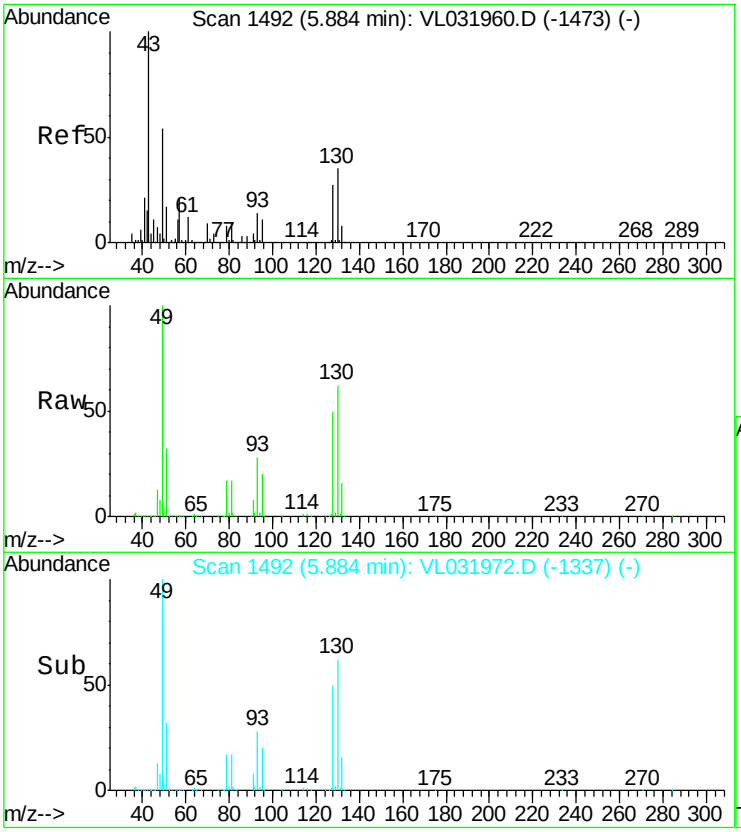
Quantitation Report (Not Reviewed)

Data File : VL031972.D
Acq On : 3 May 2018 21:19
Operator : SY/AP
Sample : J2629-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** IA2DL

Quant Time: May 04 03:27:35 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration



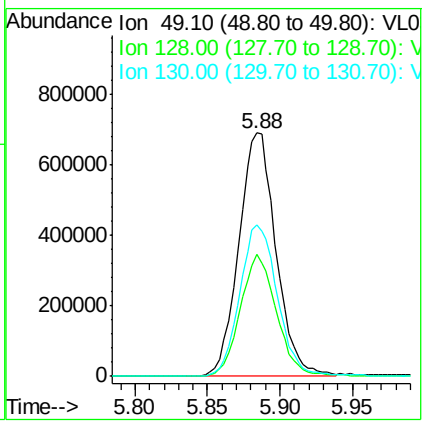


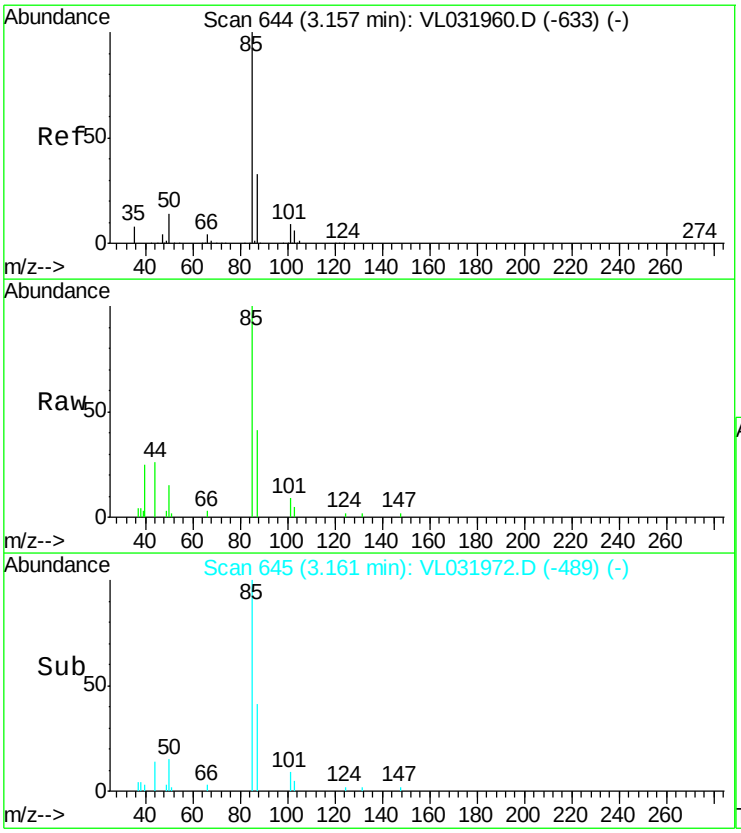

#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA2DL

Tgt Ion: 49 Resp: 1229818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 49.2 | 24.1 | 72.3 |
| 130 | 63.7 | 30.7 | 92.1 |

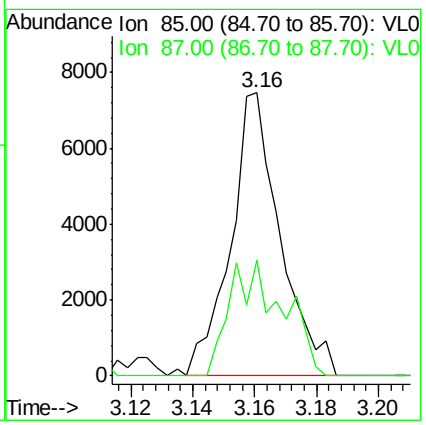


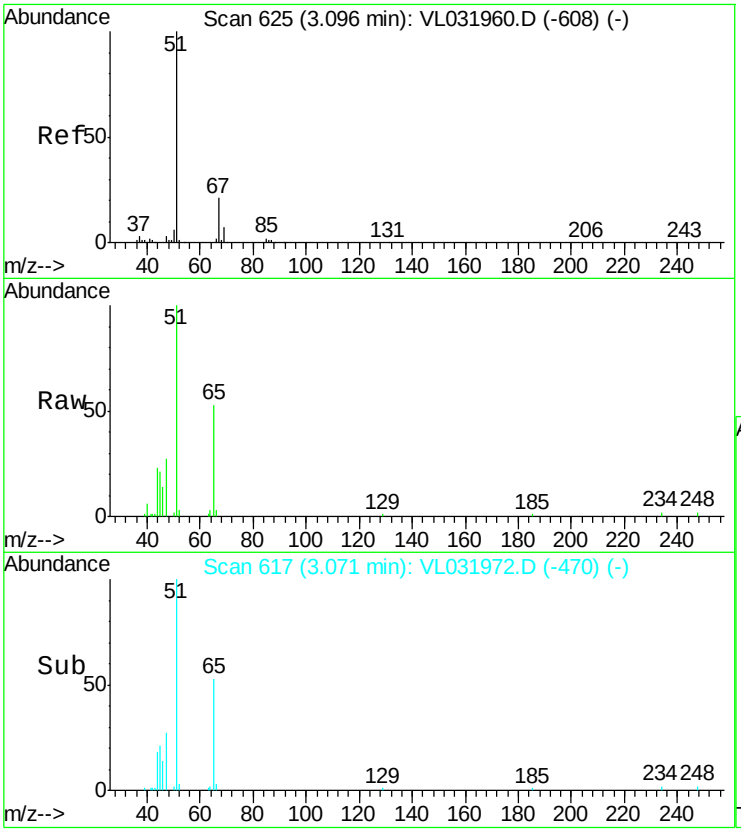




#2
Dichlorodifluoromethane
Concen: 0.05 ppbv
RT: 3.16 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 85 Resp: 8352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 41.0 | 26.8 | 40.2# |



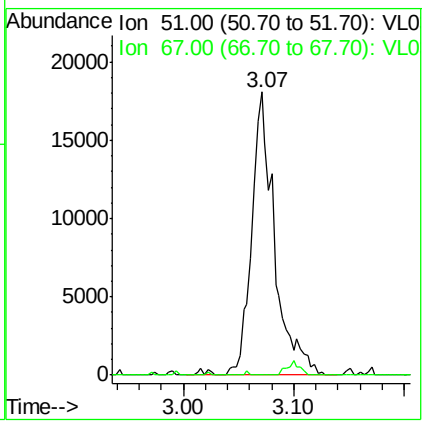


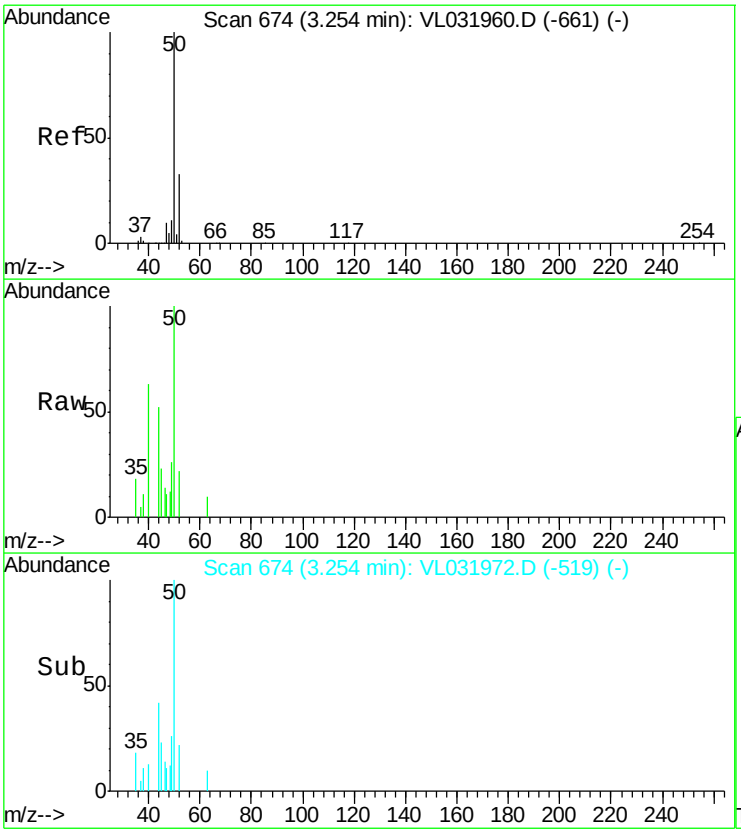

#3
Chlorodifluoromethane
Concen: 0.23 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.03 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :** MSVOA_L
**ClientSampleId :** IA2DL

Tgt Ion: 51 Resp: 26180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 2.7 | 15.9 | 23.9# |

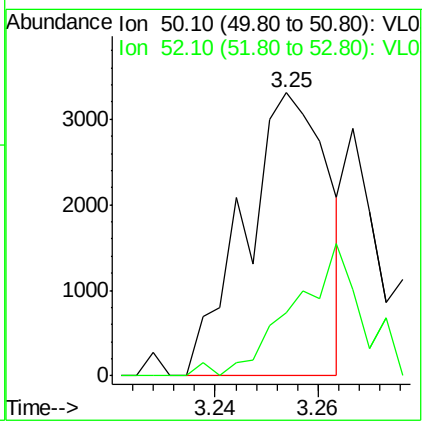


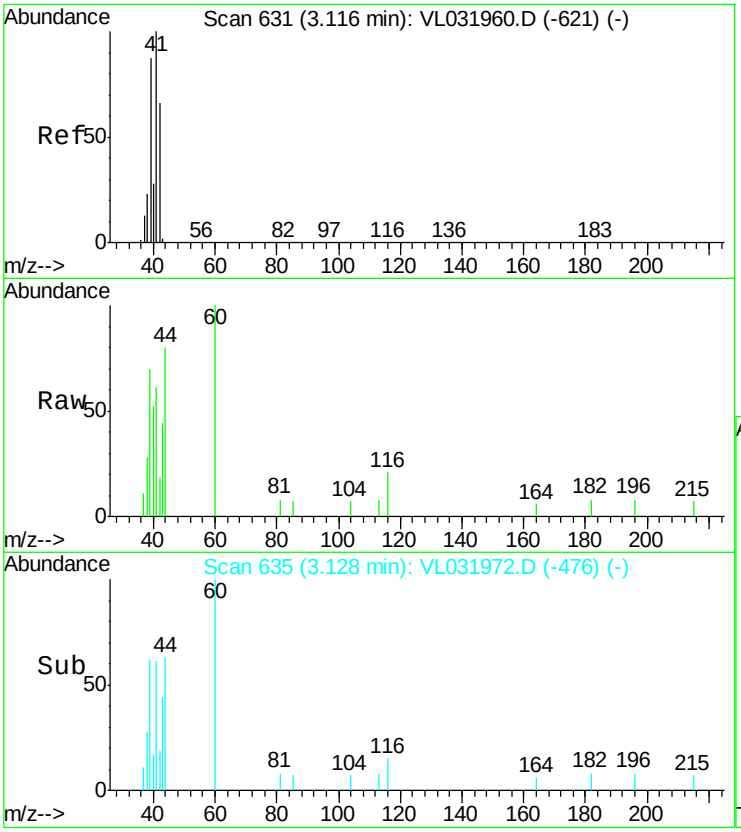




#4
Chloromethane
Concen: 0.06 ppbv
RT: 3.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 50 Resp: 3679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 22.4 | 26.6 | 39.8# |



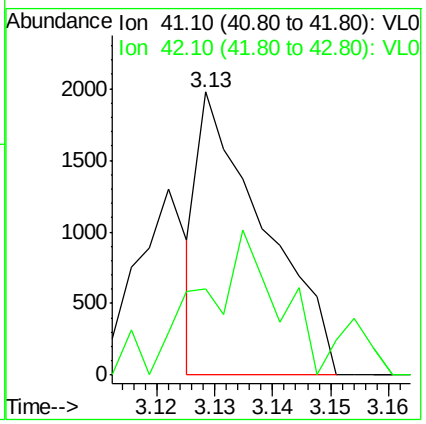


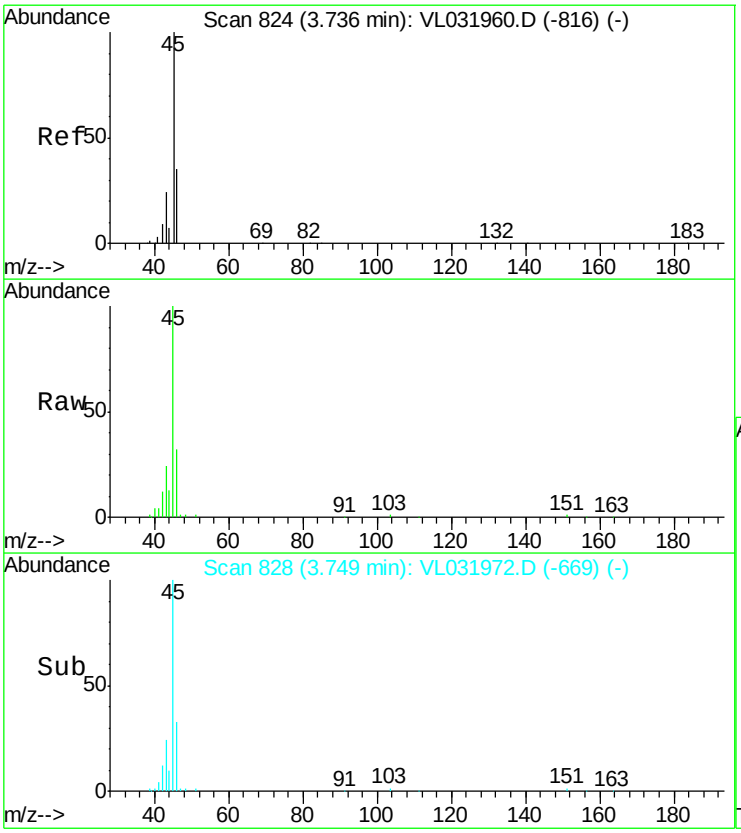

#9
Propene
Concen: 0.04 ppbv
RT: 3.13 min Scan# 635
Delta R.T. 0.01 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :** MSVOA_L
**ClientSampleId :** IA2DL

Tgt Ion: 41 Resp: 1561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 71.1 | 53.9 | 80.9 |

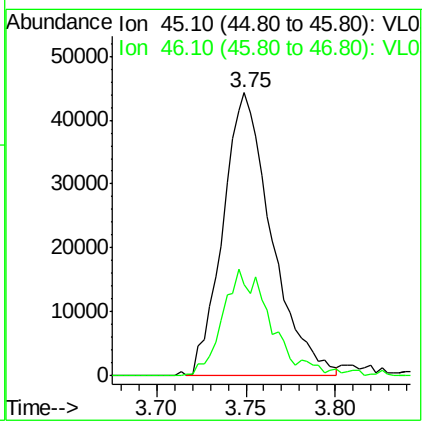


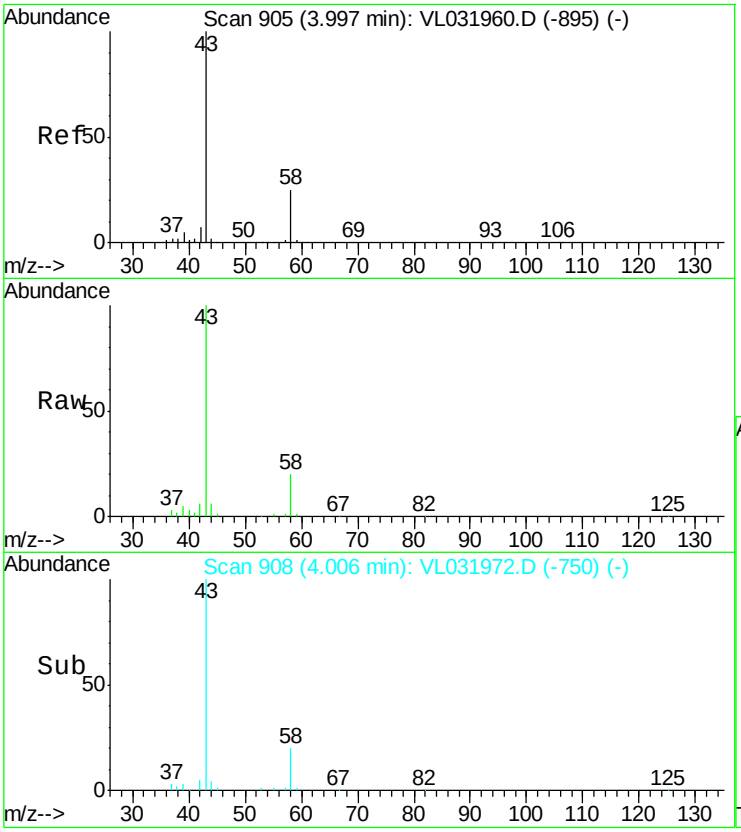




#13
Ethanol
Concen: 5.25 ppbv
RT: 3.75 min Scan# 828
Delta R.T. 0.01 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 45 Resp: 83138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 38.3 | 0.0 | 0.0# |



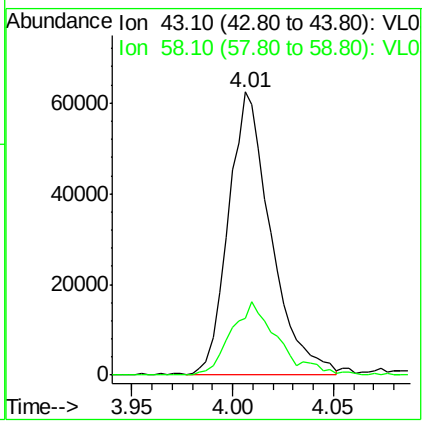


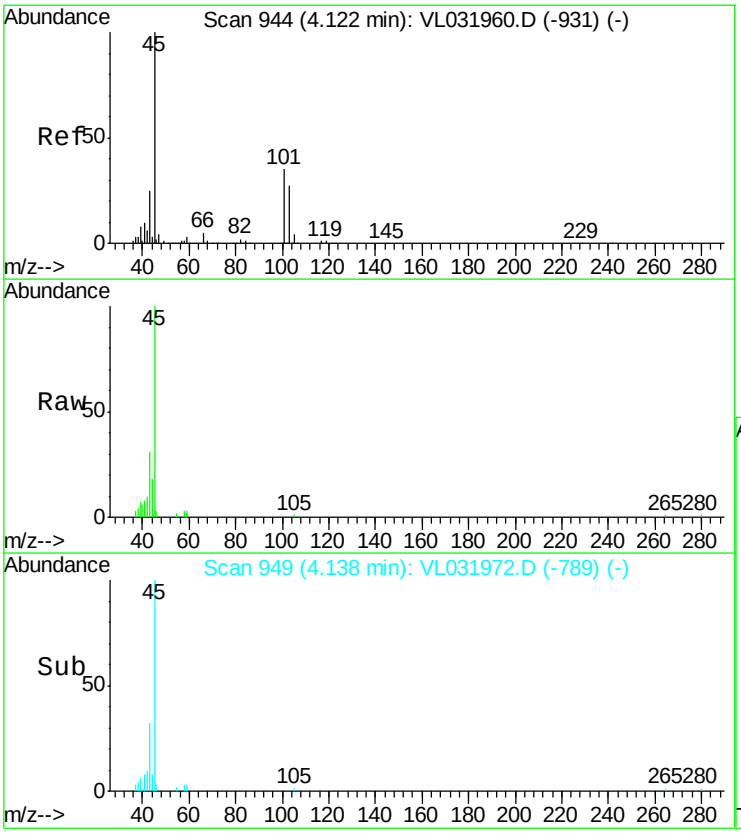

#15
Acetone
Concen: 0.53 ppbv
RT: 4.01 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA2DL

Tgt Ion: 43 Resp: 92228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 21.1 | 31.7 |

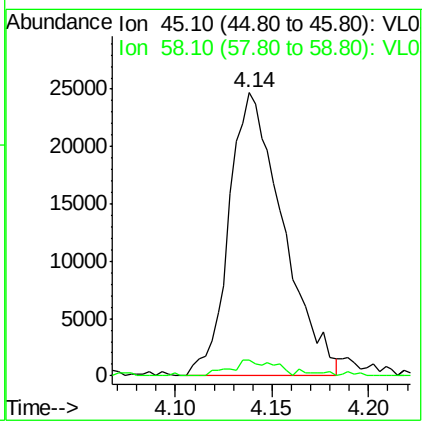


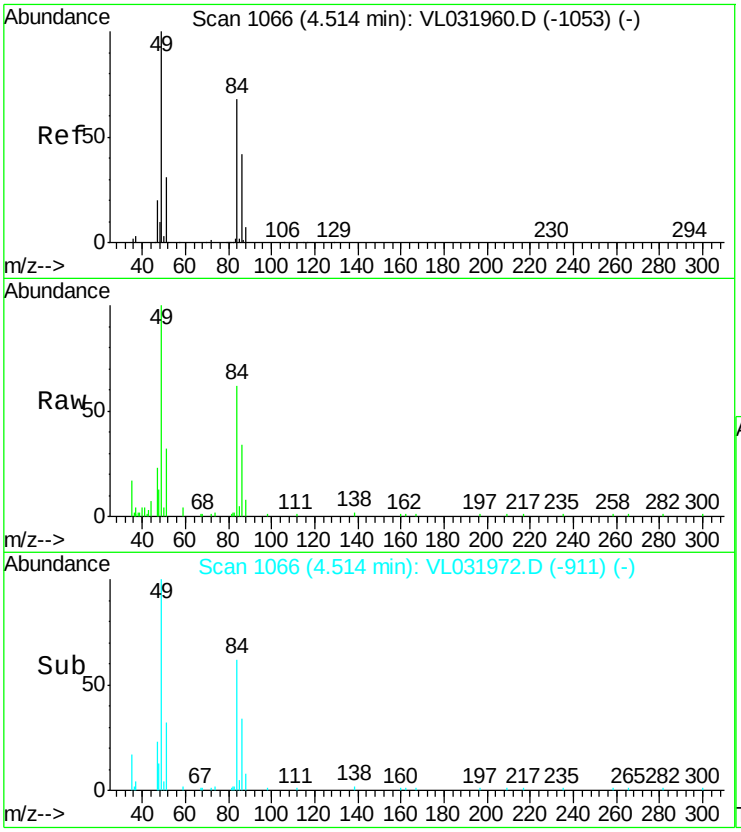




#19
Isopropyl Alcohol
Concen: 0.51 ppbv
RT: 4.14 min Scan# 949
Delta R.T. 0.02 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 45 Resp: 47793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 5.6 | 1.4 | 2.2# |



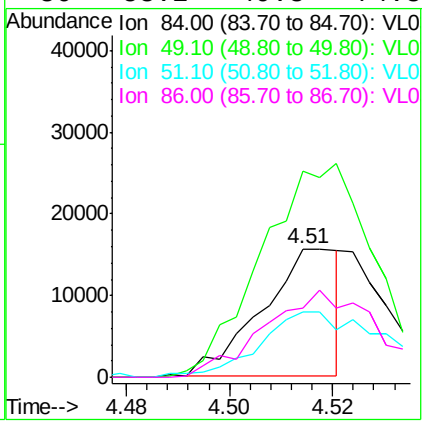


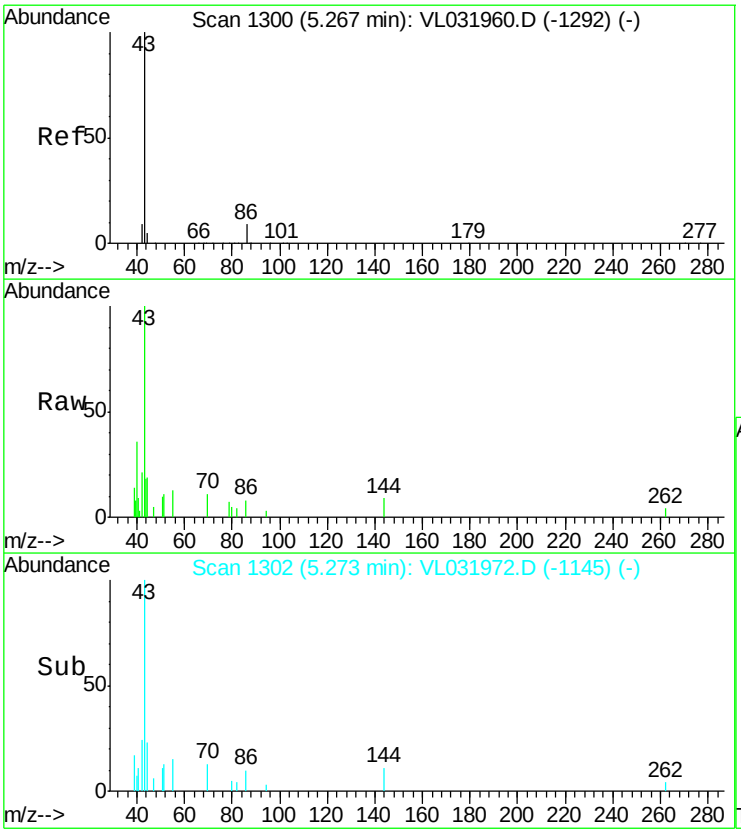

#20
Methylene Chloride
Concen: 0.27 ppbv
RT: 4.51 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :** MSVOA_L
**ClientSampleId :** IA2DL

Tgt Ion: 84 Resp: 16047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 157.2 | 118.6 | 178.0 |
| 51 | 48.3 | 36.6 | 54.8 |
| 86 | 53.2 | 49.8 | 74.8 |

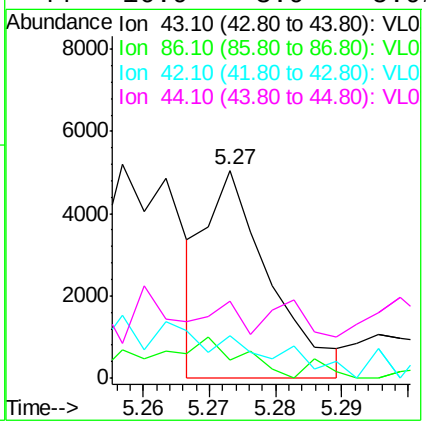


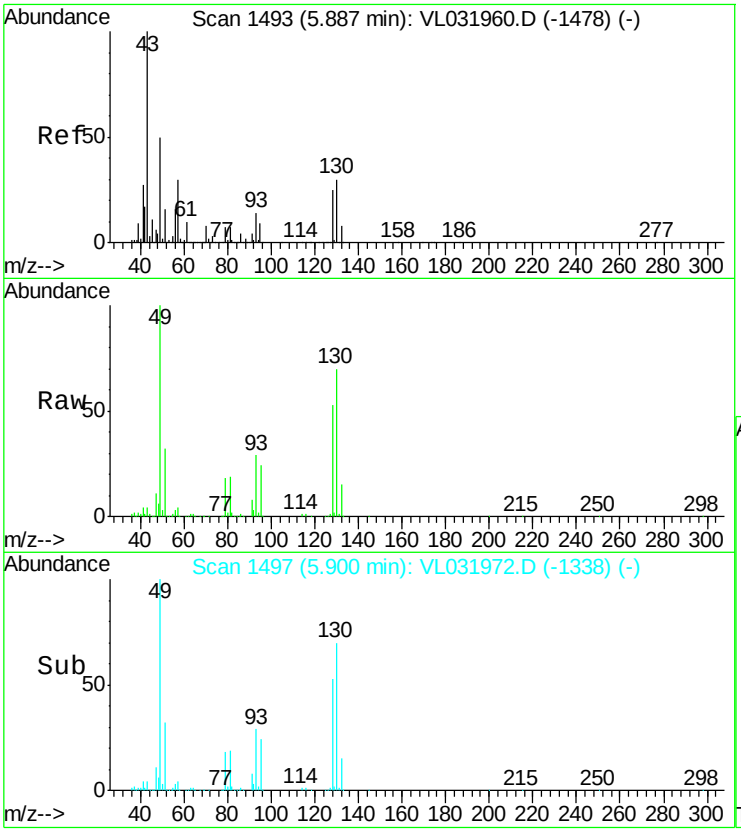




#23
Vinyl Acetate
Concen: 0.02 ppbv
RT: 5.27 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 43 Resp: 3367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 5.1 | 6.1 | 9.1# |
| 42 | 12.2 | 8.0 | 12.0# |
| 44 | 16.9 | 3.9 | 5.9# |



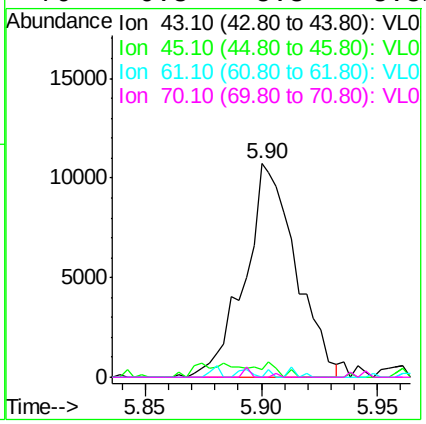


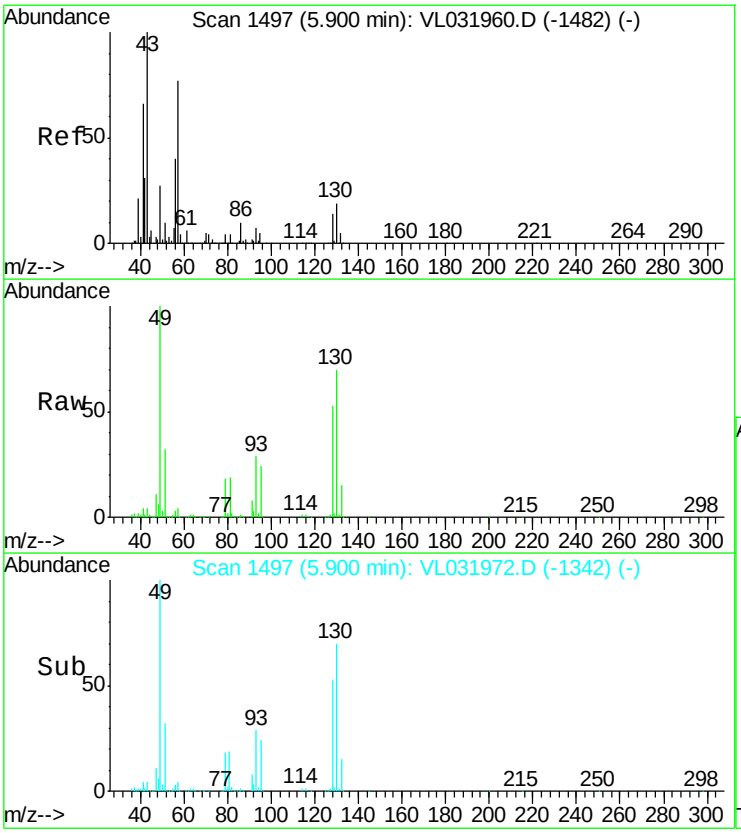

#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :** MSVOA_L
**ClientSampleId :** IA2DL

Tgt Ion: 43 Resp: 16337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.2 | 7.8 | 11.6 |
| 61 | 3.0 | 7.4 | 11.2# |
| 70 | 0.8 | 5.8 | 8.8# |

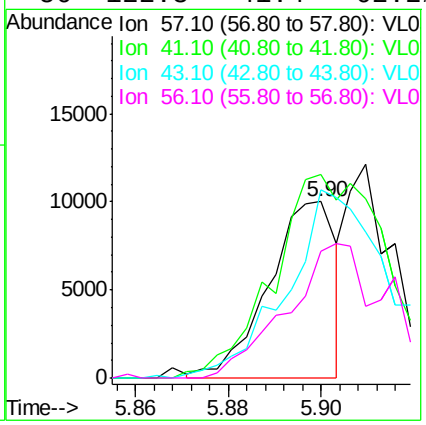


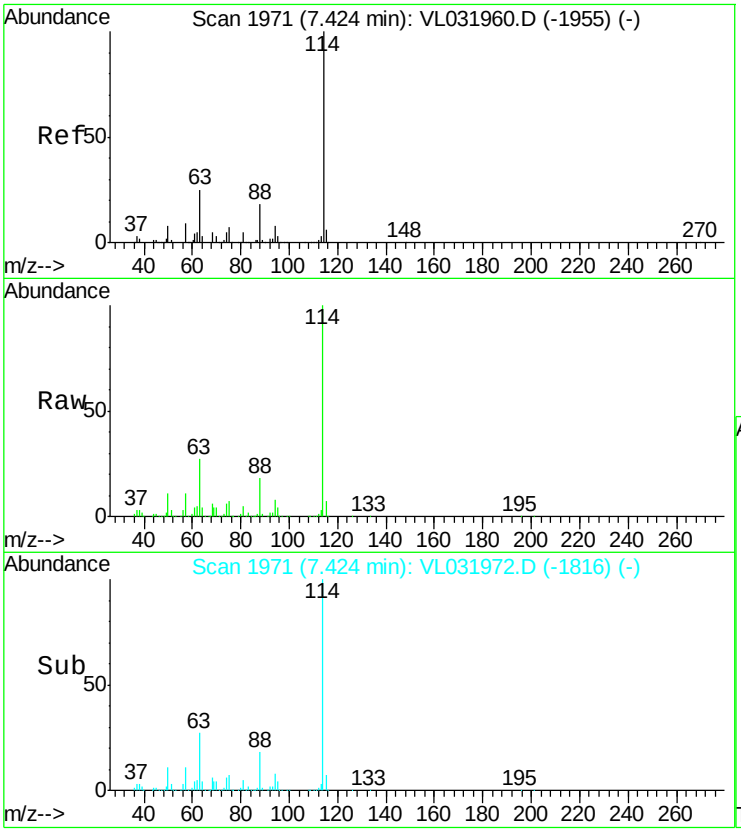




#26
Hexane
Concen: 0.07 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 57 Resp: 10063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 203.5 | 71.8 | 107.6# |
| 43 | 165.7 | 171.5 | 257.3# |
| 56 | 122.3 | 41.4 | 62.2# |



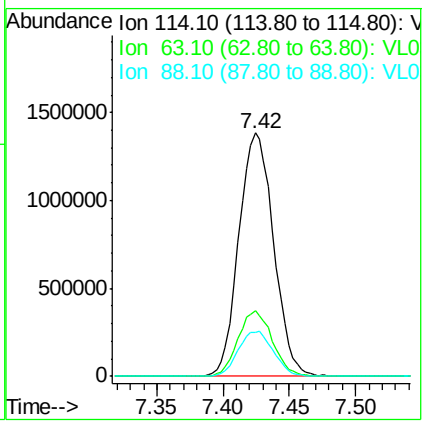


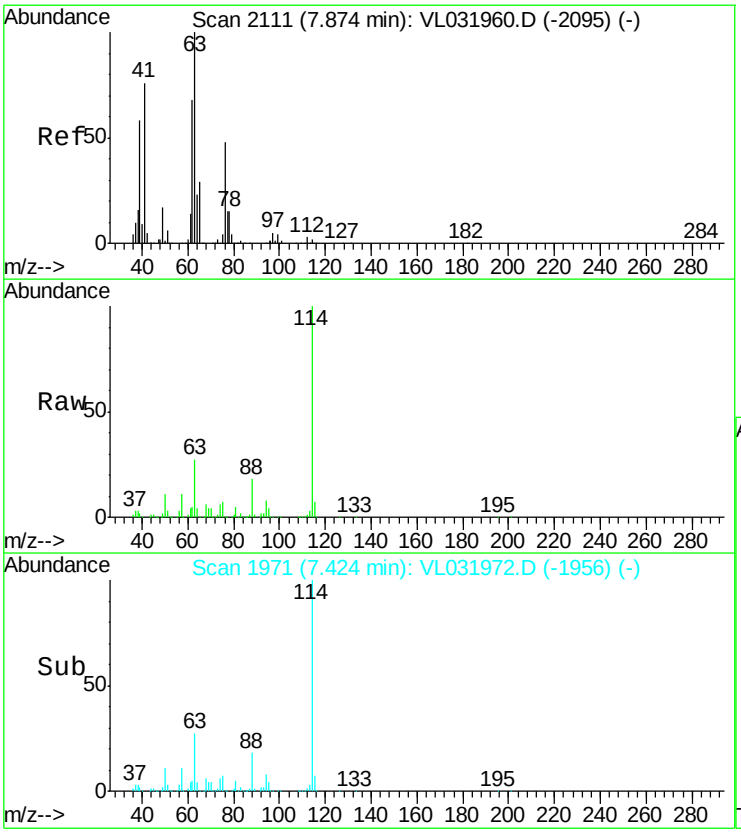

#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA2DL

Tgt Ion:114 Resp: 2527866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.6 | 20.8 | 31.2 |
| 88 | 18.8 | 14.6 | 21.8 |

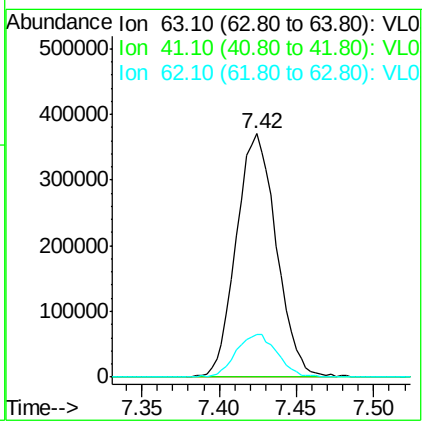


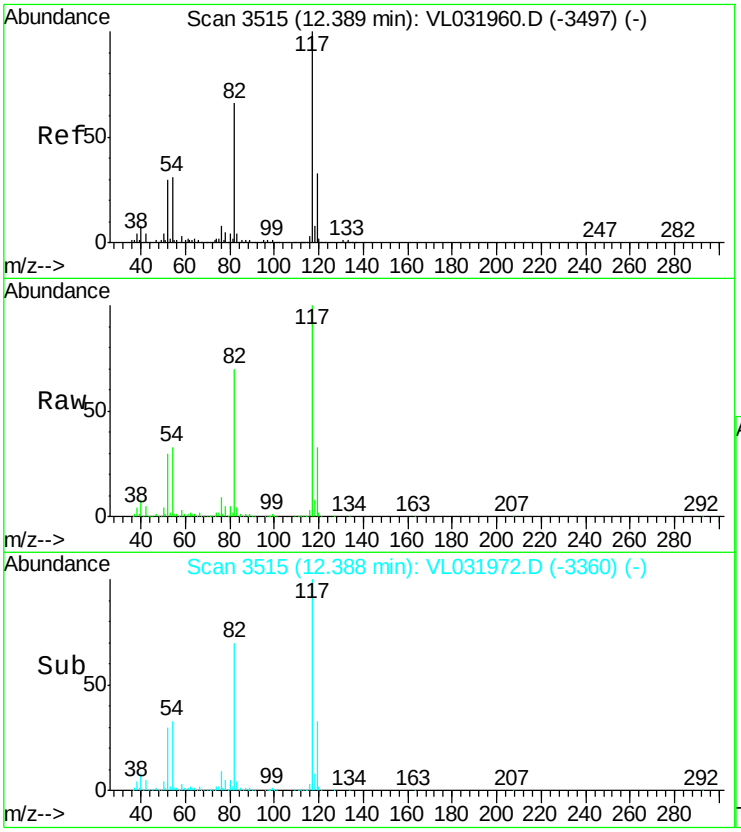




#39
1,2-Dichloropropane
Concen: 8.07 ppbv
RT: 7.42 min Scan# 1971
Delta R.T. -0.45 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 63 Resp: 669137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 60.7 | 91.1# |
| 62 | 17.7 | 54.7 | 82.1# |



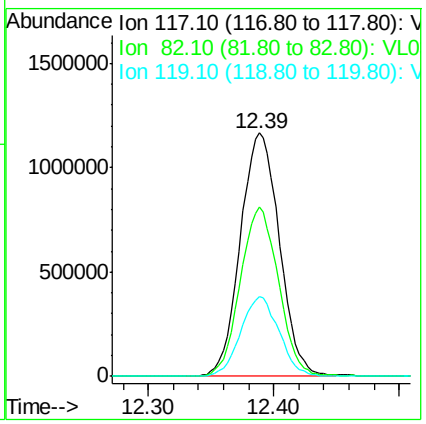


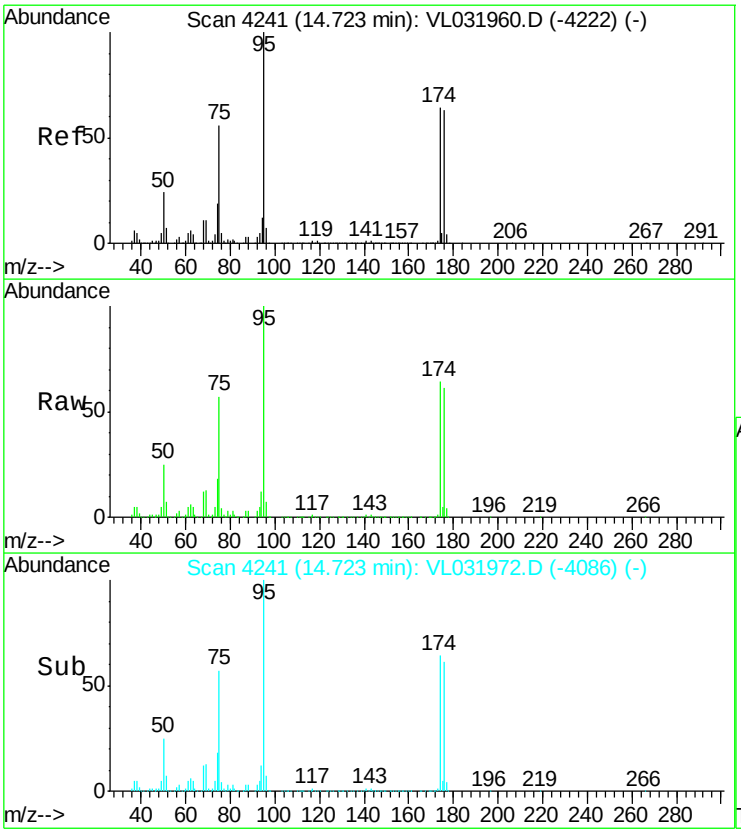

#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

**Instrument :**
MSVOA_L
**ClientSampleId :**
IA2DL

Tgt Ion:117 Resp: 2521891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 68.5 | 51.6 | 77.4 |
| 119 | 32.3 | 44.2 | 66.4# |




#68
1-Bromo-4-Fluorobenzene
Concen: 10.29 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.00 min
Lab File: VL031972.D
Acq: 3 May 2018 21:19

Tgt Ion: 95 Resp: 2011711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 66.3 | 53.0 | 79.6 |
| 175 | 4.7 | 3.9 | 5.9 |