Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071918\
Data File : VL032295.D
Acq On : 19 Jul 2018 19:35
Operator : SY/AP
Sample : J4063-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 20 02:10:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.84 | 49 | 1555267 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.37 | 114 | 3345261 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.33 | 117 | 3810026 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.67 | 95 | 3055690 | 9.89 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 98.90% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.13 | 85 | 99750 | 0.377 | ppbv | | 98 |
| 3) Chlorodifluoromethane | 3.06 | 51 | 1141734 | 6.541 | ppbv | | 96 |
| 4) Chloromethane | 3.23 | 50 | 67742 | 0.659 | ppbv | | 99 |
| 7) Chloroethane | 3.65 | 64 | 715 | 0.021 | ppbv | # | 43 |
| 8) Dichlorotetrafluoroethane | 3.27 | 85 | 4791 | 0.022 | ppbv | | 89 |
| 9) Propene | 3.10 | 41 | 218658 | 2.866 | ppbv | # | 75 |
| 10) Heptane | 8.33 | 43 | 21878 | 0.090 | ppbv | # | 49 |
| 11) Trichlorofluoromethane | 4.06 | 101 | 52044 | 0.252 | ppbv | | 97 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.62 | 101 | 7831 | 0.059 | ppbv | # | 62 |
| 13) Ethanol | 3.72 | 45 | 1032409 | 47.370 | ppbv | | 98 |
| 15) Acetone | 3.96 | 43 | 4651157 | 28.574 | ppbv | | 96 |
| 16) 1,3-Butadiene | 3.45 | 39 | 124843 | 1.506 | ppbv | # | 20 |
| 17) tert-Butyl alcohol | 4.44 | 59 | 41404 | 0.807 | ppbv | # | 72 |
| 19) Isopropyl Alcohol | 4.10 | 45 | 528788 | 4.803 | ppbv | # | 1 |
| 20) Methylene Chloride | 4.47 | 84 | 307520 | 4.907 | ppbv | | 99 |
| 23) Vinyl Acetate | 5.22 | 43 | 153148 | 0.525 | ppbv | # | 56 |
| 25) Ethyl Acetate | 5.85 | 43 | 443253 | 1.250 | ppbv | # | 38 |
| 26) Hexane | 5.85 | 57 | 325155 | 1.997 | ppbv | # | 67 |
| 27) Carbon Disulfide | 4.69 | 76 | 32866 | 0.228 | ppbv | # | 76 |
| 29) Chloroform | 5.92 | 83 | 9030 | 0.038 | ppbv | # | 80 |
| 30) Cyclohexane | 7.33 | 84 | 13012 | 0.095 | ppbv | # | 1 |
| 31) cis-1,2-Dichloroethene | 5.84 | 61 | 40220 | 0.258 | ppbv | # | 35 |
| 34) 2-Butanone | 5.40 | 43 | 390957 | 1.703 | ppbv | | 98 |
| 35) Carbon Tetrachloride | 7.22 | 117 | 6500 | 0.028 | ppbv | | 90 |
| 36) Benzene | 7.08 | 78 | 84136 | 0.256 | ppbv | | 95 |
| 37) 1,2-Dichloroethane | 6.49 | 62 | 175402 | 0.902 | ppbv | # | 82 |
| 39) 1,2-Dichloropropane | 7.37 | 63 | 910865 | 6.987 | ppbv | # | 26 |
| 41) Tetrahydrofuran | 6.23 | 42 | 5129 | 0.038 | ppbv | # | 20 |
| 43) Methyl Methacrylate | 8.22 | 69 | 23013 | 0.171 | ppbv | # | 1 |
| 44) 2,2,4-Trimethylpentane | 8.08 | 57 | 96620 | 0.168 | ppbv | # | 79 |
| 51) 2-Hexanone | 10.38 | 43 | 7010 | 0.024 | ppbv | # | 1 |
| 53) Toluene | 10.03 | 91 | 1208004 | 3.026 | ppbv | | 100 |
| 58) Ethyl Benzene | 12.95 | 91 | 400052 | 0.745 | ppbv | | 96 |
| 59) m/p-Xylene | 13.21 | 91 | 893540 | 1.951 | ppbv | | 99 |
| 60) o-Xylene | 13.94 | 91 | 329528 | 0.722 | ppbv | | 97 |
| 61) Styrene | 13.78 | 104 | 175015 | 0.517 | ppbv | | 100 |
| 64) n-propylbenzene | 16.02 | 120 | 7424 | 0.044 | ppbv | | 97 |
| 69) p-Isopropyltoluene | 17.90 | 119 | 109567 | 0.171 | ppbv | # | 87 |
| 72) 4-Ethyltoluene | 16.09 | 105 | 26277 | 0.050 | ppbv | # | 48 |
| 73) 1,3,5-Trimethylbenzene | 16.24 | 105 | 35127 | 0.068 | ppbv | | 87 |
| 74) 1,2,4-Trimethylbenzene | 17.01 | 105 | 247021 | 0.458 | ppbv | # | 69 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071918\
Data File : VL032295.D
Acq On : 19 Jul 2018 19:35
Operator : SY/AP
Sample : J4063-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 20 02:10:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 75) 1,3-Dichlorobenzene | 17.39 | 146 | 289105 | 0.965 | ppbv | | 98 |
| 76) 1,4-Dichlorobenzene | 17.39 | 146 | 289105 | 0.973 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 18.08 | 146 | 12668 | 0.044 | ppbv | # | 66 |
| 79) Naphthalene | 22.51 | 128 | 24015 | 0.053 | ppbv | # | 97 |
| 80) Naphthalene,2-methyl- | 25.49 | 142 | 5721 | 0.030 | ppbv | | 97 |

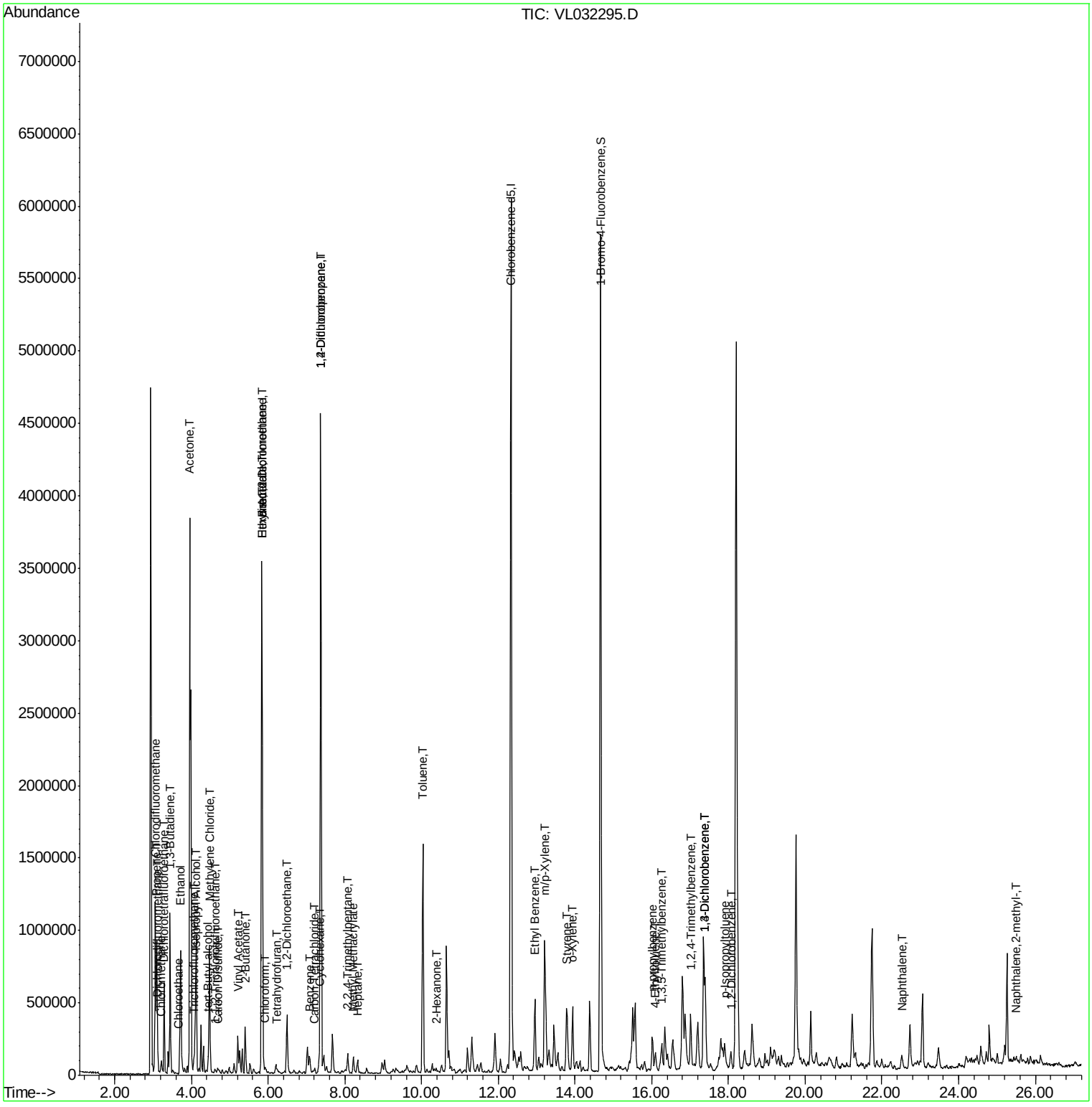
(#) = qualifier out of range (m) = manual integration (+) = signals summed

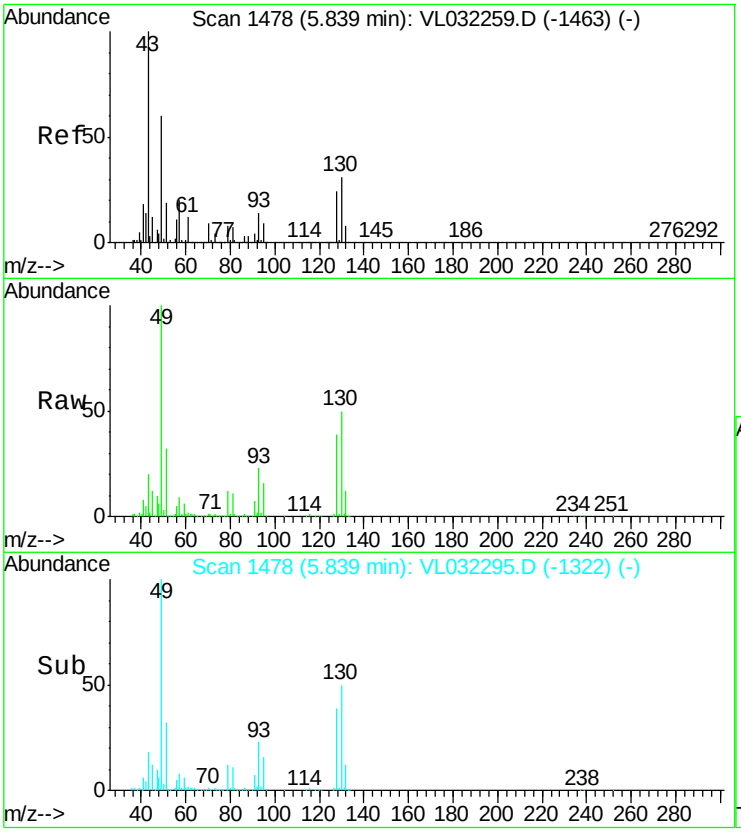
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071918\
Data File : VL032295.D
Acq On : 19 Jul 2018 19:35
Operator : SY/AP
Sample : J4063-01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 20 02:10:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration



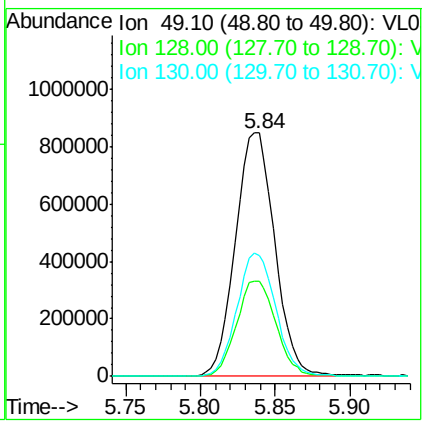


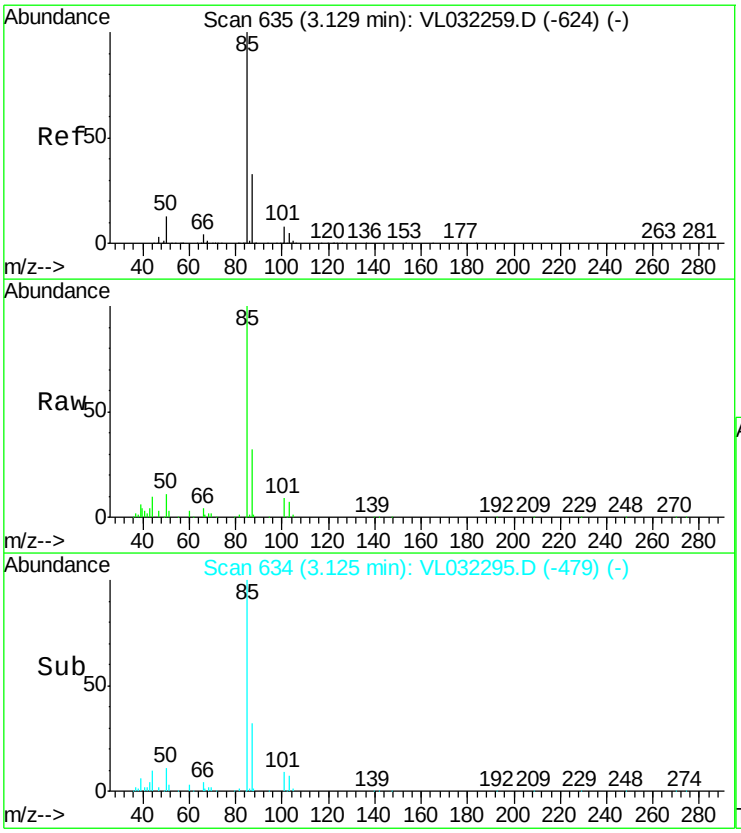

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 49 Resp: 1555267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 39.4 | 20.1 | 60.2 |
| 130 | 50.4 | 25.9 | 77.6 |

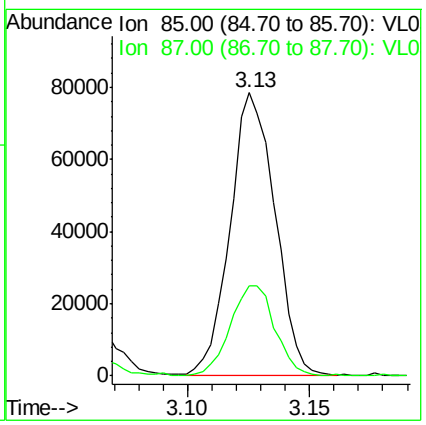


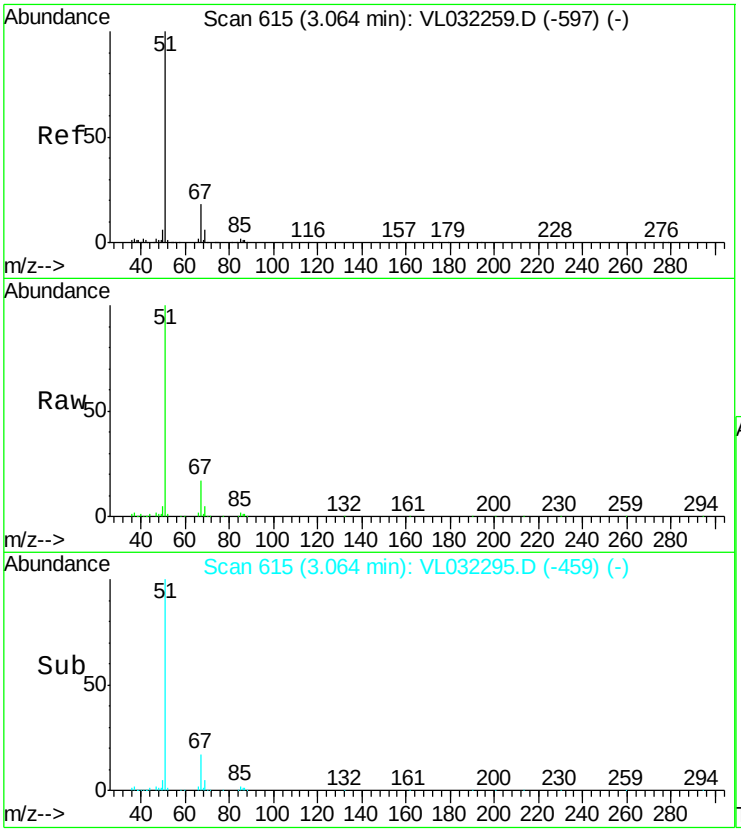




#2
Dichlorodifluoromethane
Concen: 0.377 ppbv
RT: 3.13 min Scan# 634
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 85 Resp: 99750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 26.2 | 39.2 |



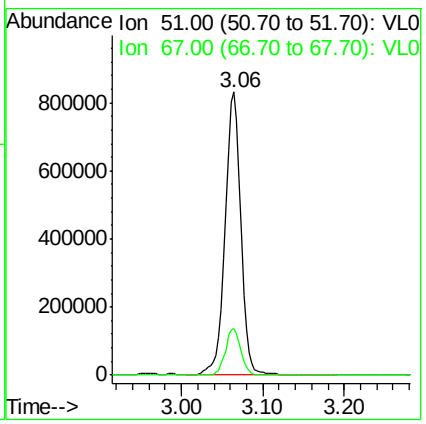


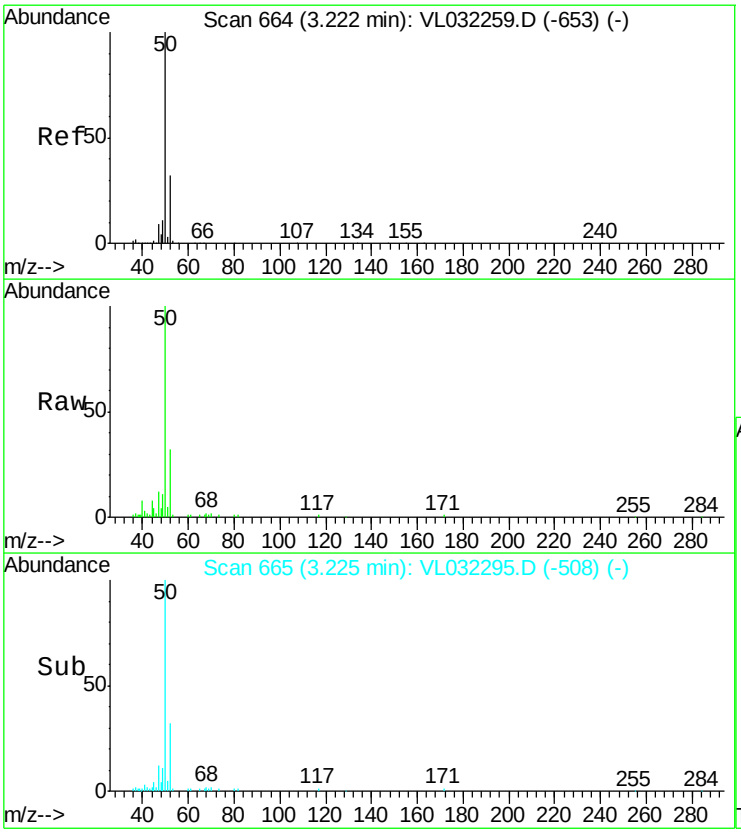

#3
Chlorodifluoromethane
Concen: 6.541 ppbv
RT: 3.06 min Scan# 615
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 51 Resp: 1141734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 16.1 | 14.2 | 21.4 |

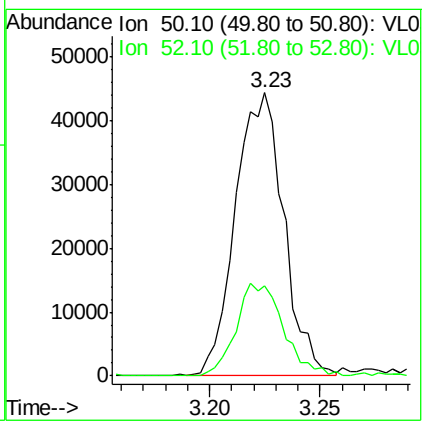


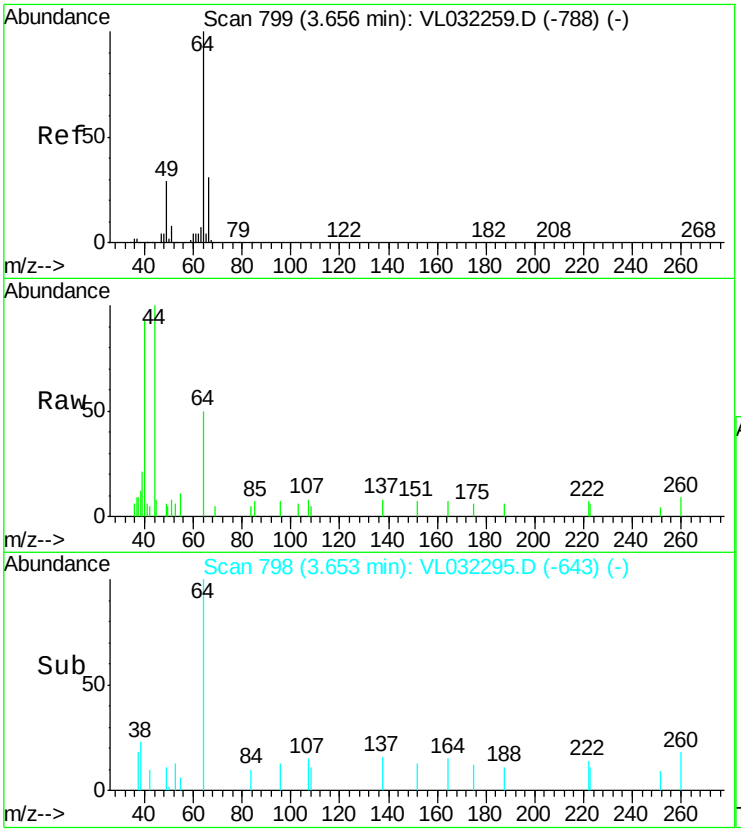




#4
Chloromethane
Concen: 0.659 ppbv
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 50 Resp: 67742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 25.3 | 37.9 |



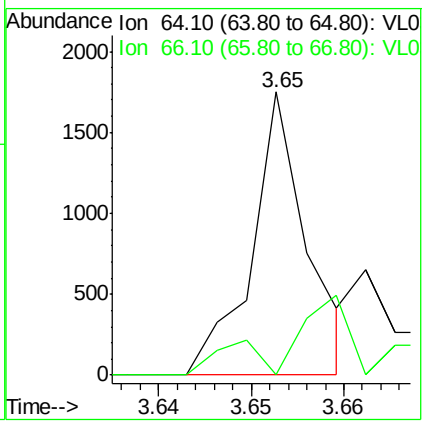


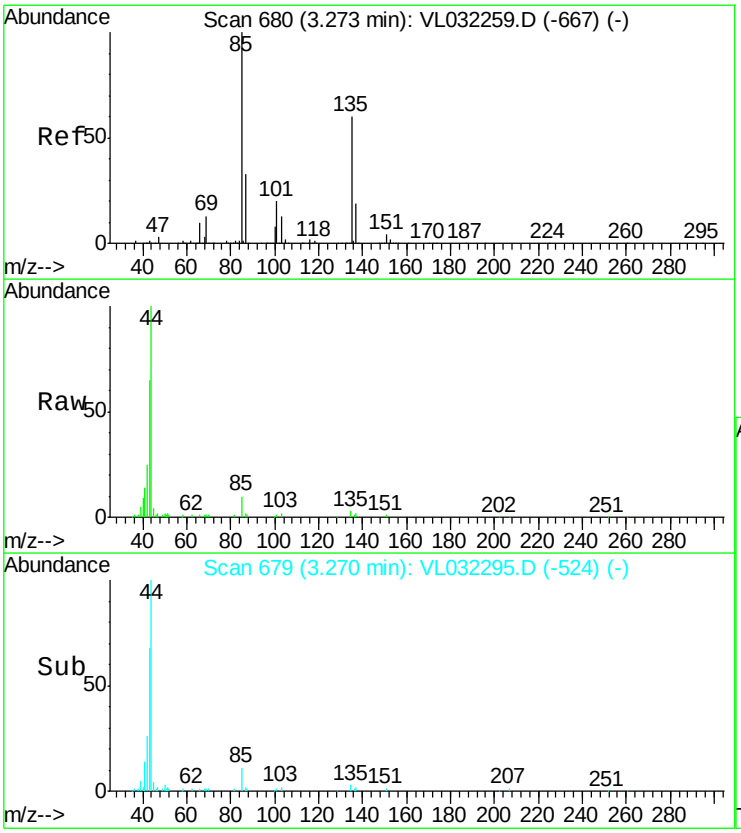

#7
Chloroethane
Concen: 0.021 ppbv
RT: 3.65 min Scan# 798
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 64 Resp: 715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 25.0 | 37.4# |

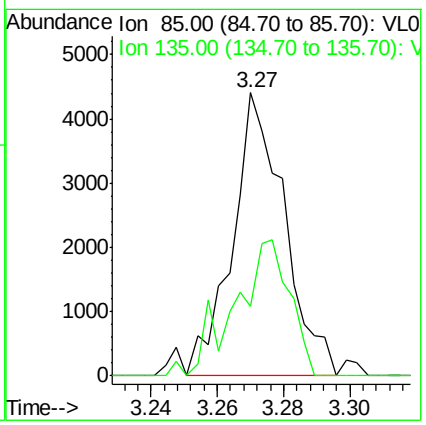


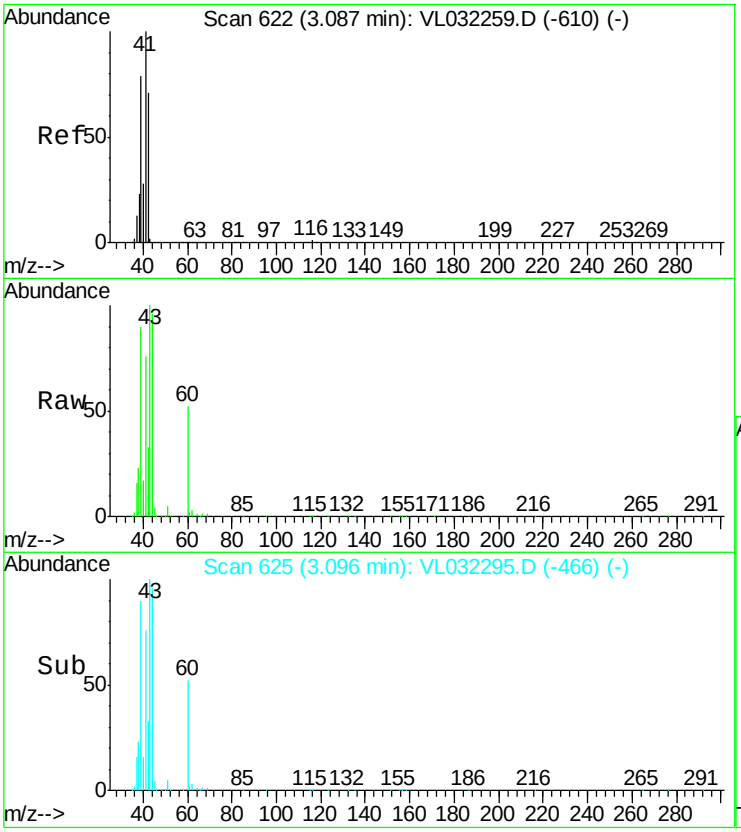




#8
Dichlorotetrafluoroethane
Concen: 0.022 ppbv
RT: 3.27 min Scan# 679
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 85 Resp: 4791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 51.3 | 47.8 | 71.8 |



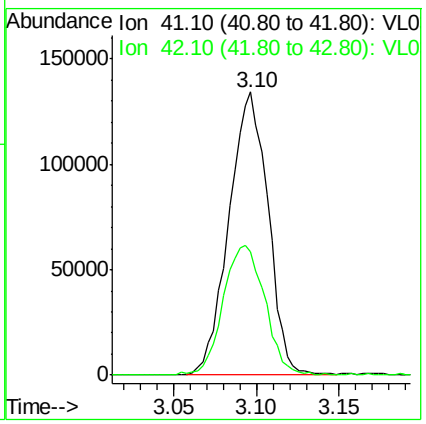


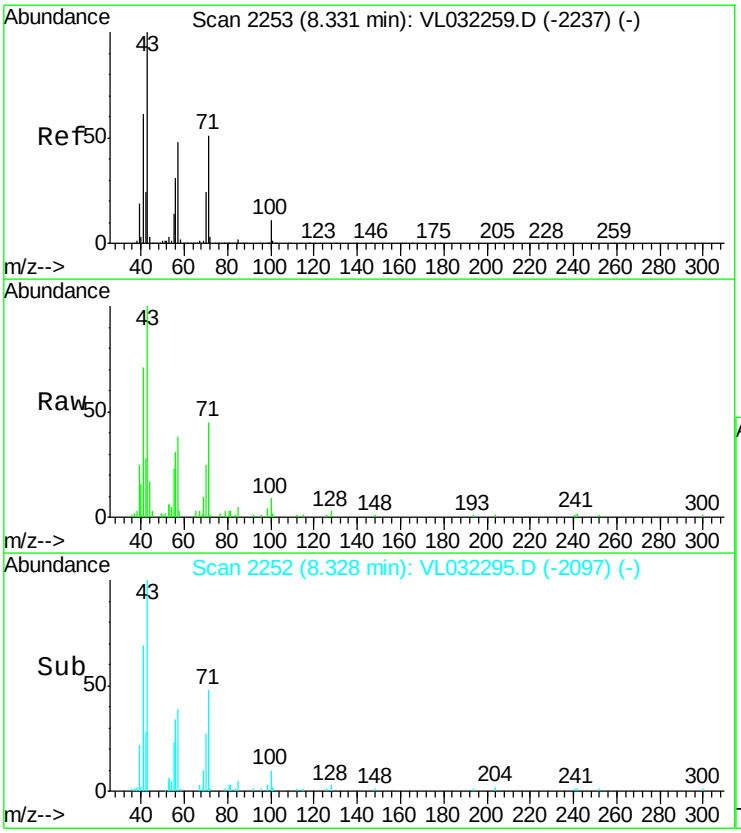

#9
Propene
Concen: 2.866 ppbv
RT: 3.10 min Scan# 625
Delta R.T. 0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 41 Resp: 218658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 49.5 | 56.2 | 84.4# |

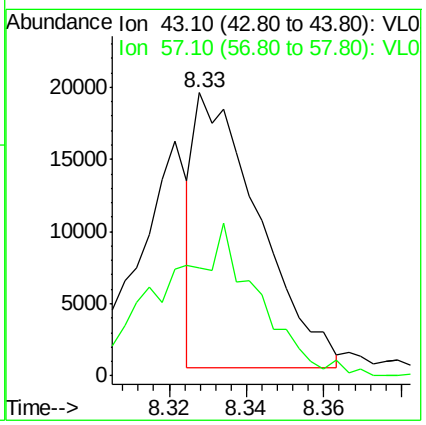


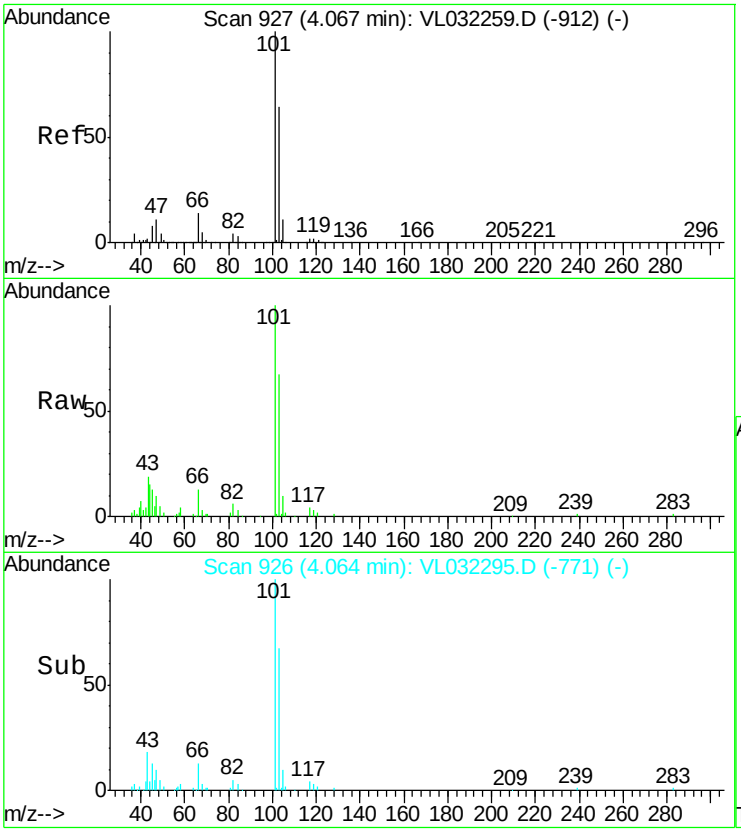




#10
Heptane
Concen: 0.090 ppbv
RT: 8.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 43 Resp: 21878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 85.0 | 39.9 | 59.9# |



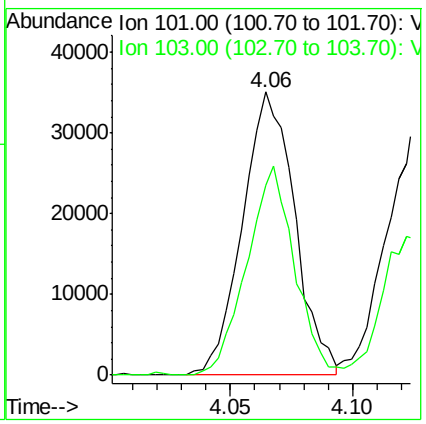


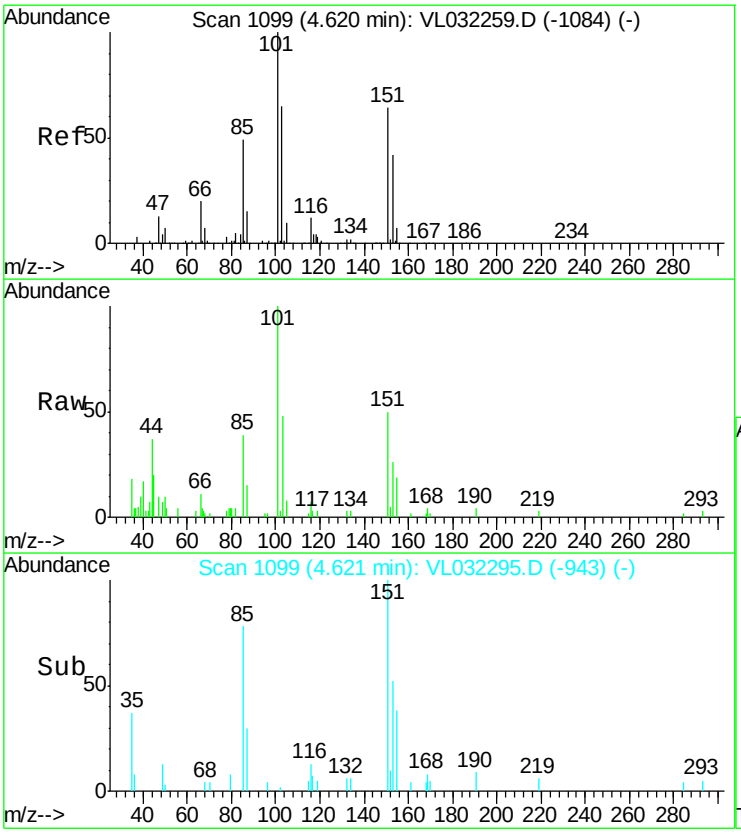

#11
Trichlorofluoromethane
Concen: 0.252 ppbv
RT: 4.06 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:101 Resp: 52044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.1 | 51.5 | 77.3 |

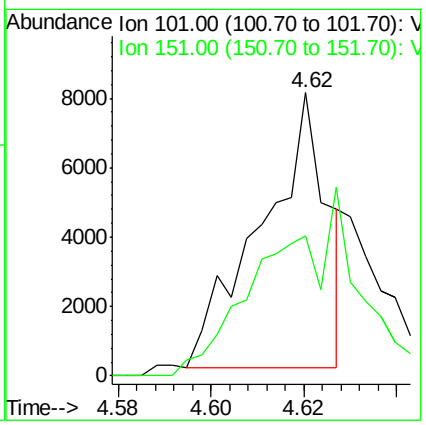


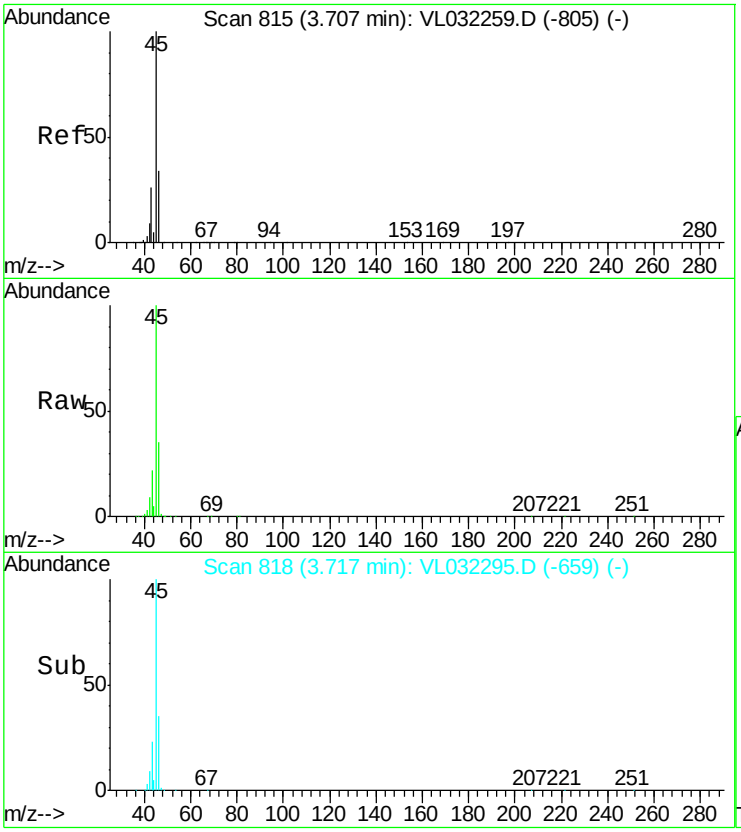




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.62 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:101 Resp: 7831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 93.5 | 51.3 | 76.9# |



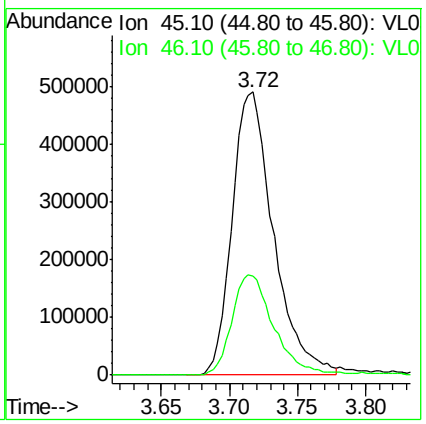


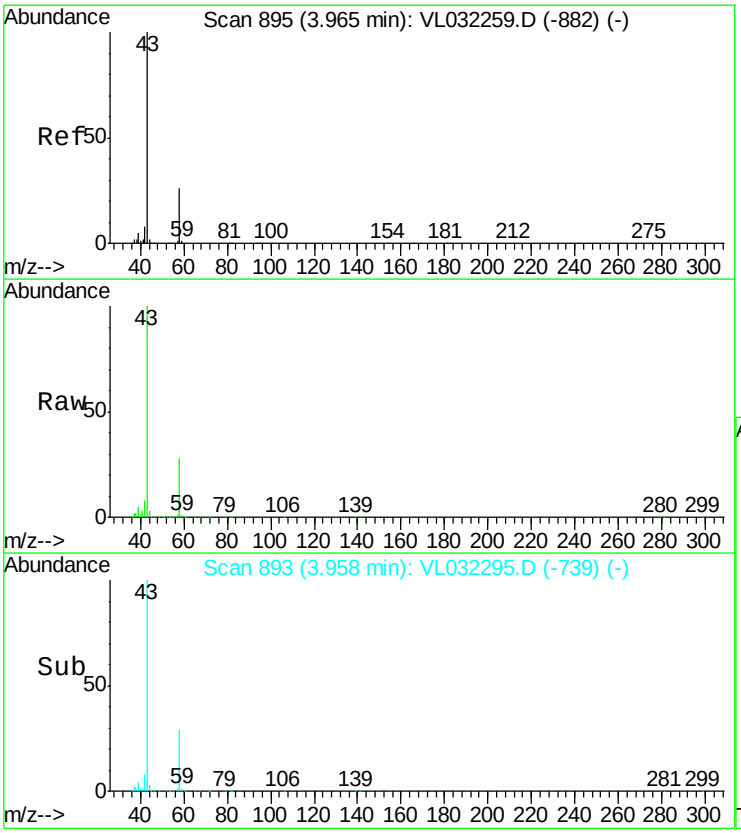

#13
Ethanol
Concen: 47.370 ppbv
RT: 3.72 min Scan# 818
Delta R.T. 0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 45 Resp: 1032409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.7 | 15.2 | 60.8 |

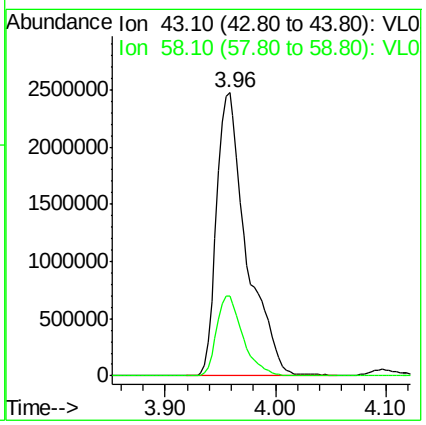


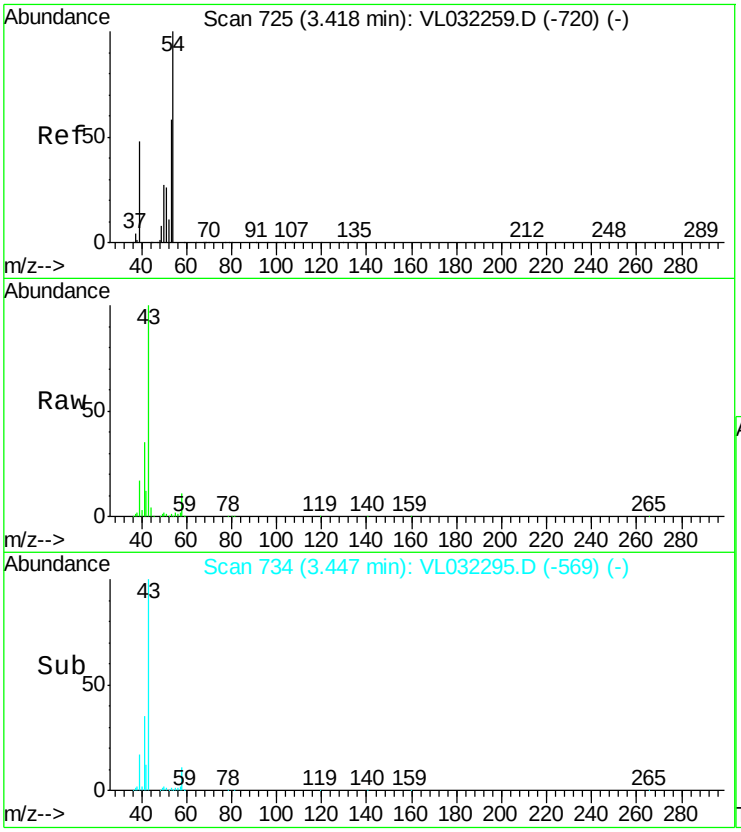




#15
Acetone
Concen: 28.574 ppbv
RT: 3.96 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 43 Resp: 4651157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.0 | 21.8 | 32.6 |



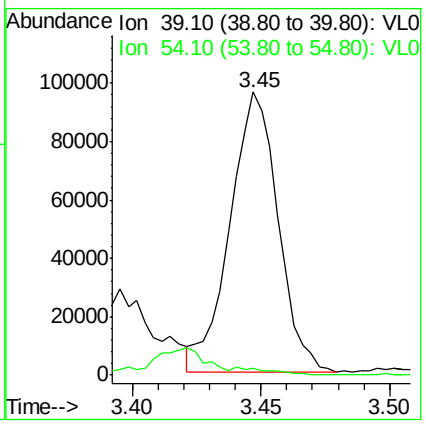


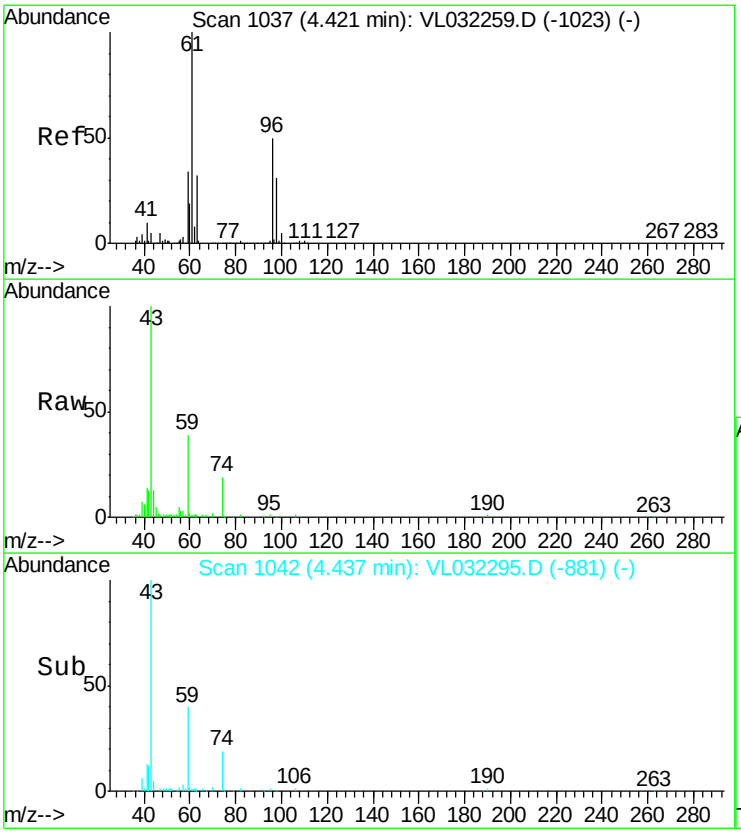

#16
1,3-Butadiene
Concen: 1.506 ppbv
RT: 3.45 min Scan# 734
Delta R.T. 0.03 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 39 Resp: 124843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 13.3 | 70.6 | 105.8# |

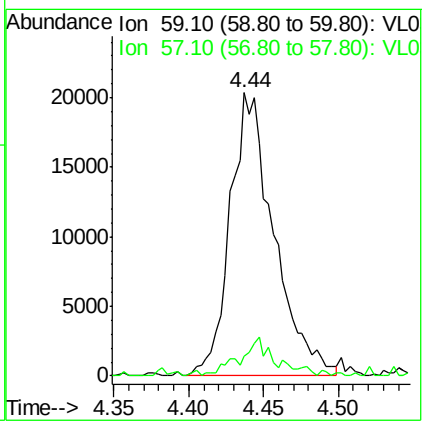


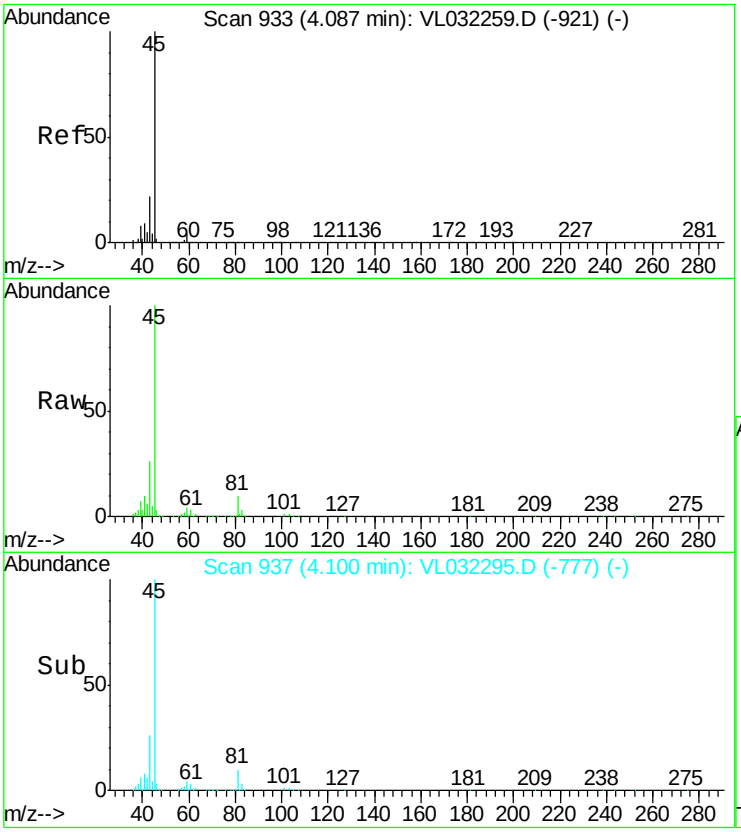




#17
tert-Butyl alcohol
Concen: 0.807 ppbv
RT: 4.44 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 59 Resp: 41404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.2 | 12.4# |



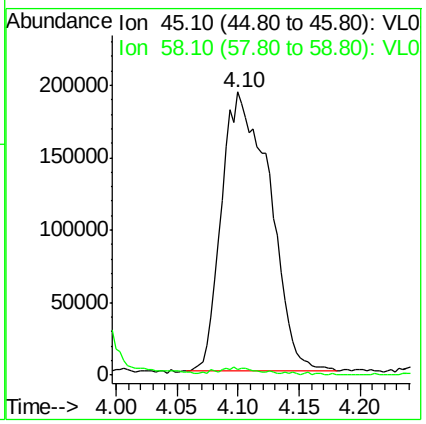


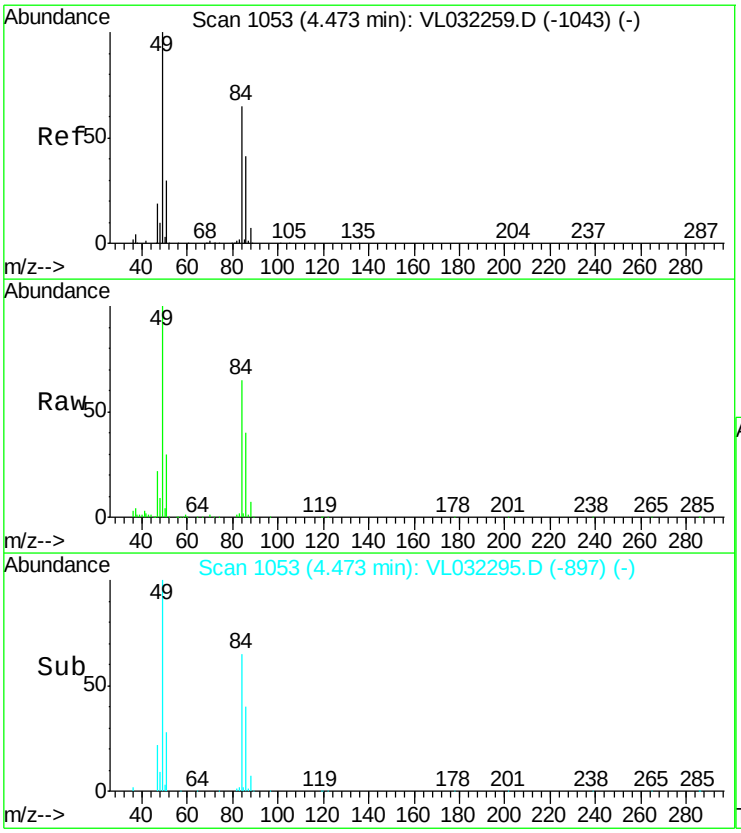

#19
Isopropyl Alcohol
Concen: 4.803 ppbv
RT: 4.10 min Scan# 937
Delta R.T. 0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 45 Resp: 528788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 219.6 | 1.5 | 2.3# |

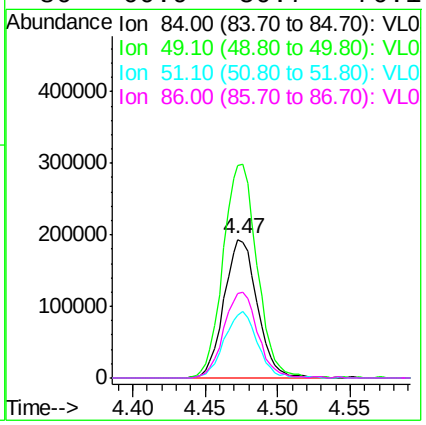


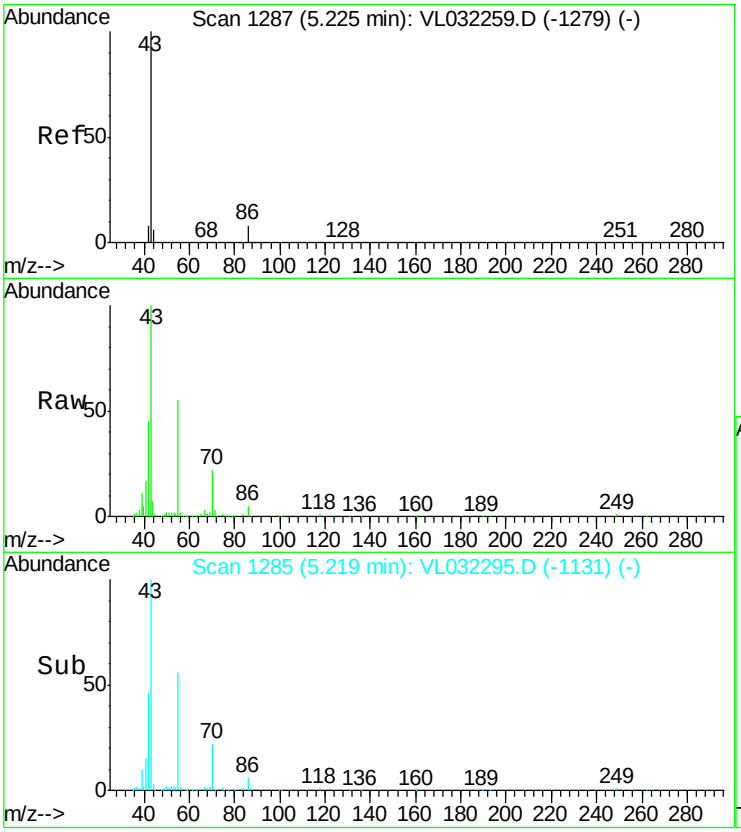




#20
Methylene Chloride
Concen: 4.907 ppbv
RT: 4.47 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 84 Resp: 307520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 153.6 | 122.4 | 183.6 |
| 51 | 45.3 | 36.8 | 55.2 |
| 86 | 60.9 | 50.7 | 76.1 |



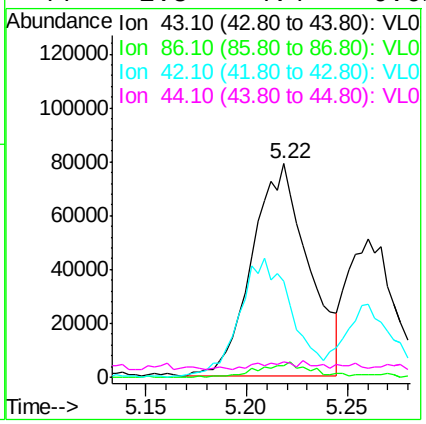


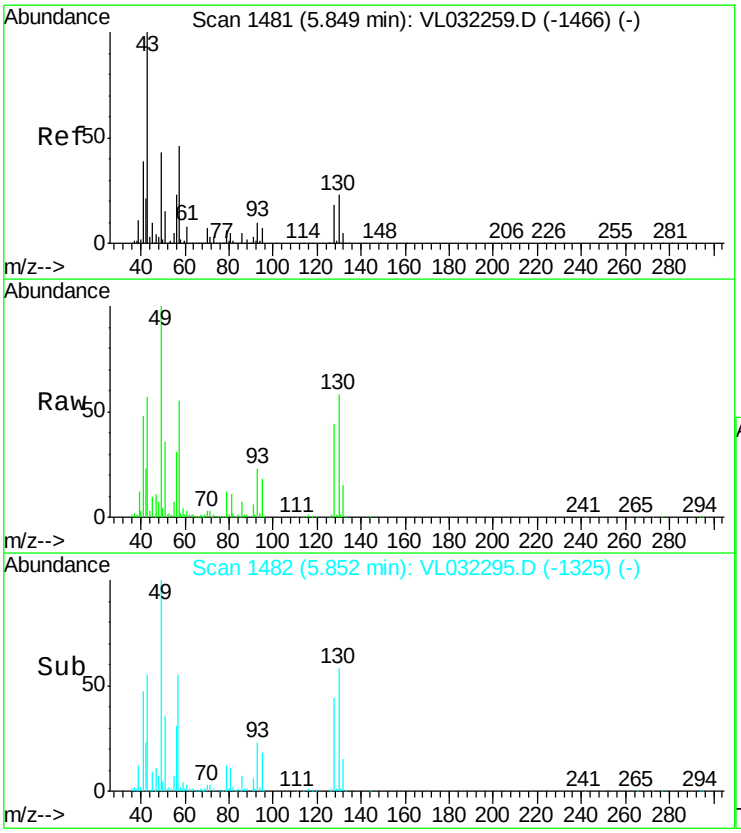

#23
Vinyl Acetate
Concen: 0.525 ppbv
RT: 5.22 min Scan# 1285
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 43 Resp: 153148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 5.5 | 5.9 | 8.9# |
| 42 | 43.9 | 7.3 | 10.9# |
| 44 | 2.5 | 4.4 | 6.6# |

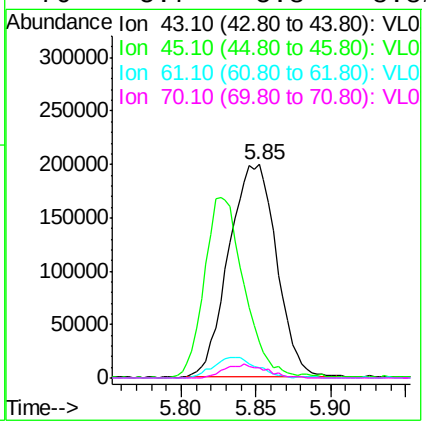


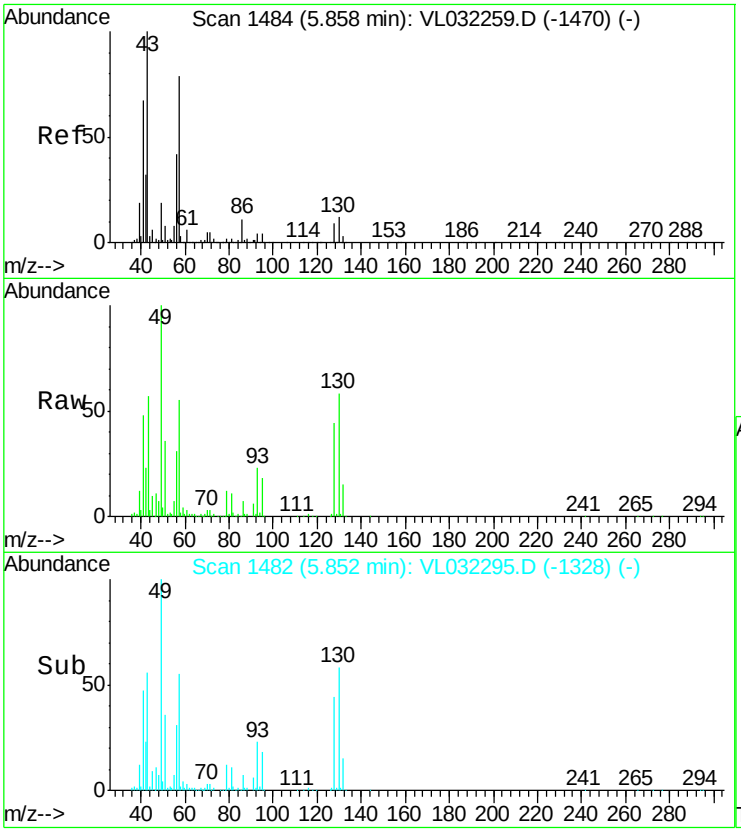




#25
Ethyl Acetate
Concen: 1.250 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 43 Resp: 443253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 70.3 | 7.9 | 11.9# |
| 61 | 9.5 | 7.6 | 11.4 |
| 70 | 5.7 | 5.8 | 8.8# |



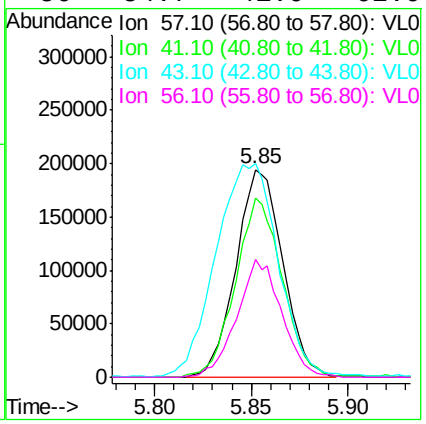


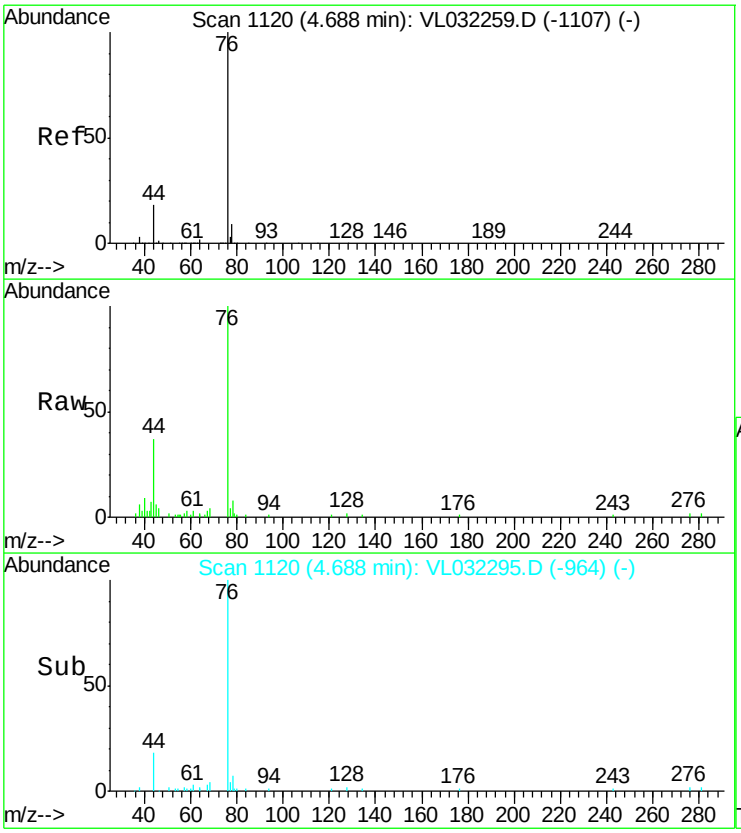

#26
Hexane
Concen: 1.997 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 57 Resp: 325155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 87.7 | 67.9 | 101.9 |
| 43 | 136.4 | 175.9 | 263.9# |
| 56 | 54.7 | 41.9 | 62.9 |

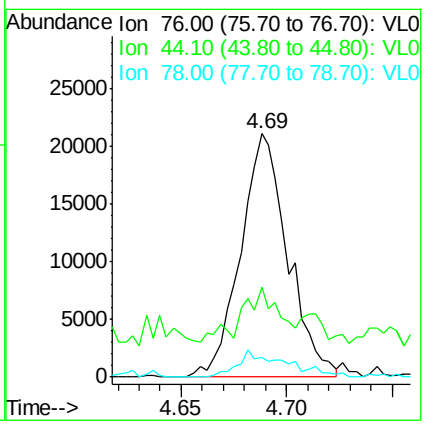


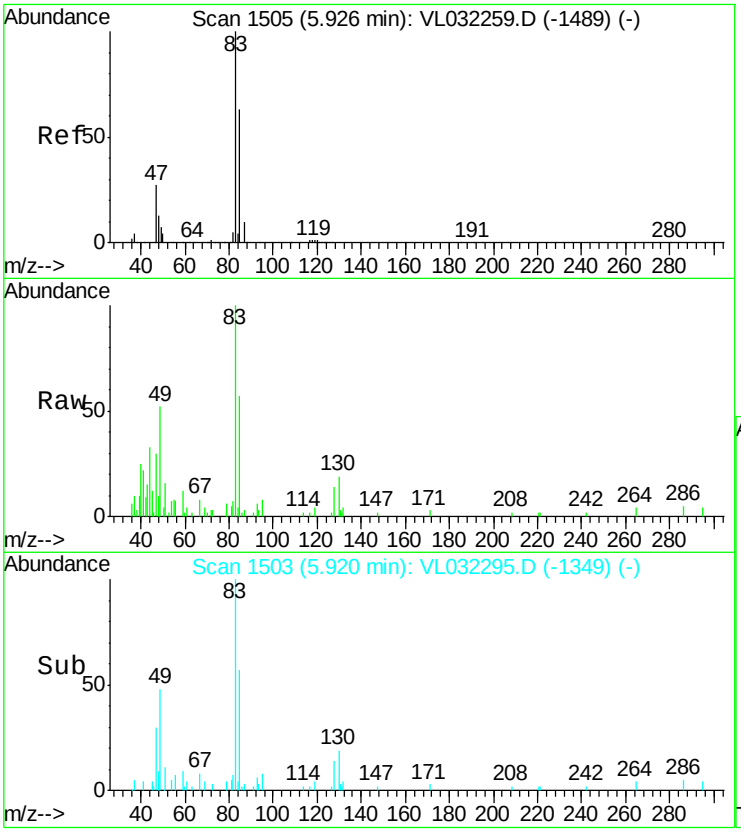




#27
Carbon Disulfide
Concen: 0.228 ppbv
RT: 4.69 min Scan# 1120
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 76 Resp: 32866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 32.4 | 14.3 | 21.5# |
| 78 | 11.8 | 7.4 | 11.0# |



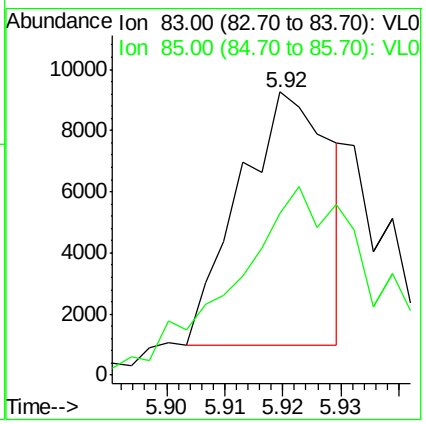


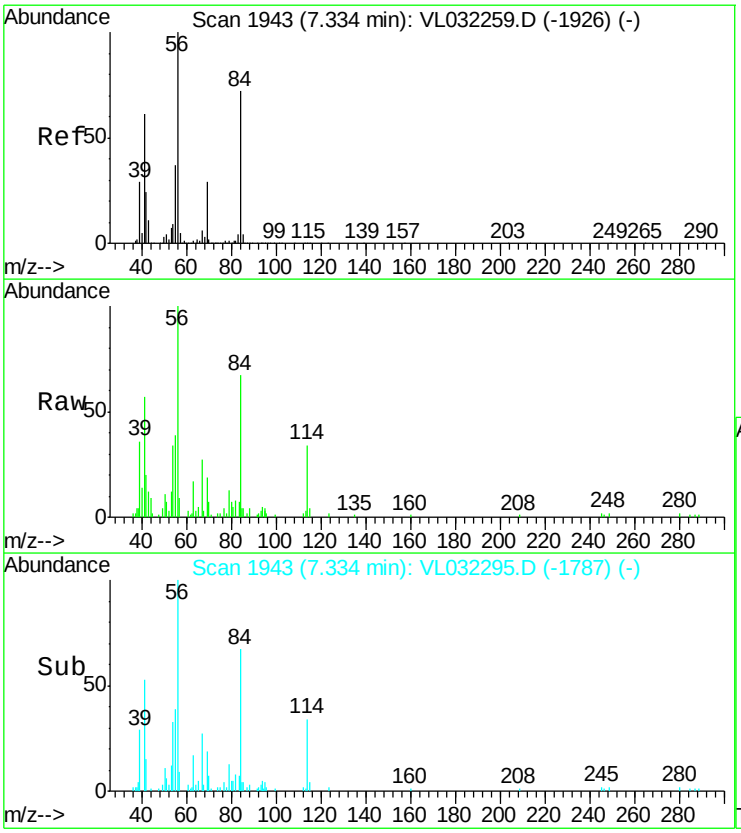

#29
Chloroform
Concen: 0.038 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 83 Resp: 9030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 47.6 | 50.7 | 76.1# |

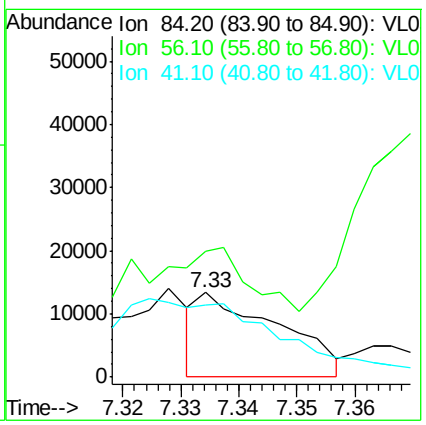


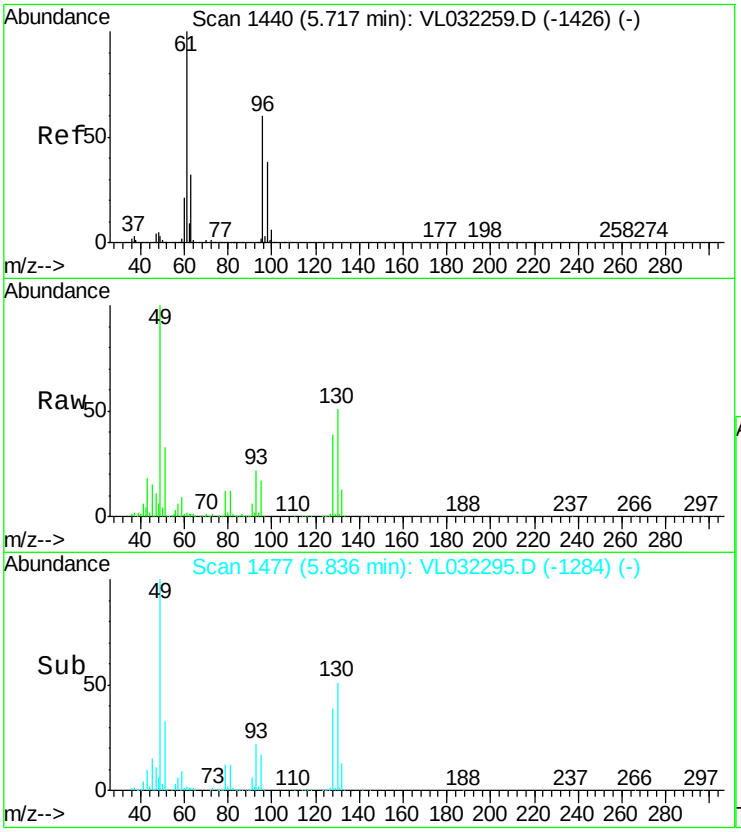




#30
Cyclohexane
Concen: 0.095 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 84 Resp: 13012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 0.0 | 115.6 | 173.4# |
| 41 | 0.0 | 68.7 | 103.1# |



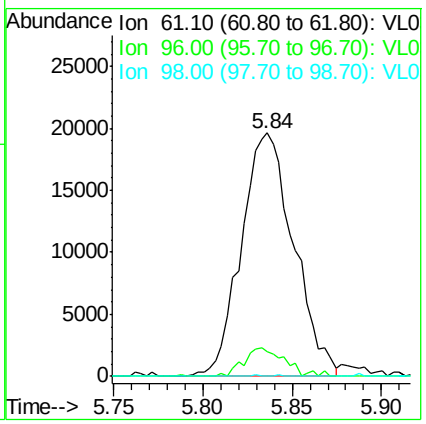


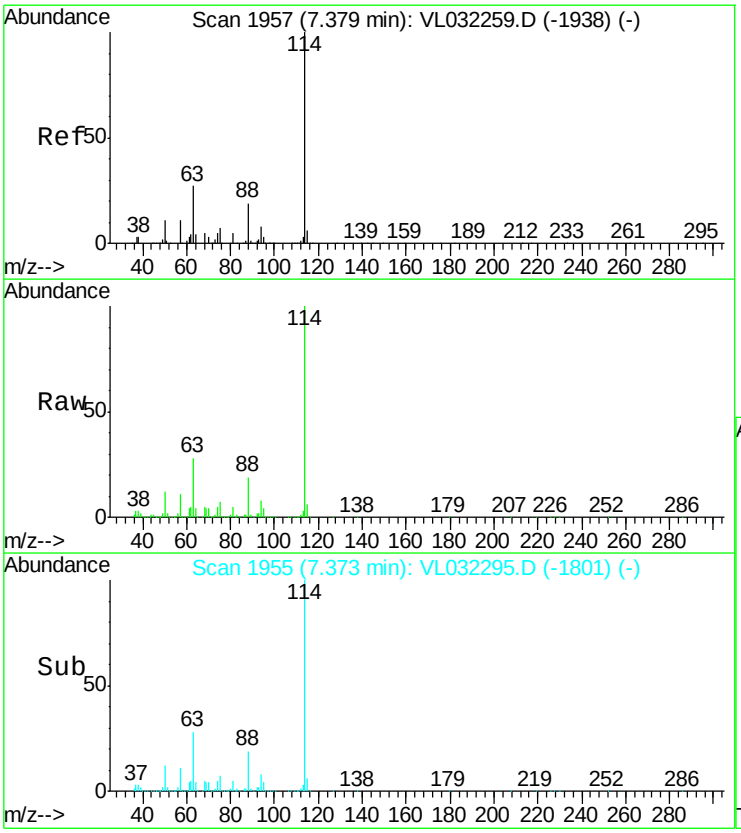

#31
cis-1,2-Dichloroethene
Concen: 0.258 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.12 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 61 Resp: 40220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 10.0 | 47.9 | 71.9# |
| 98 | 0.0 | 30.5 | 45.7# |

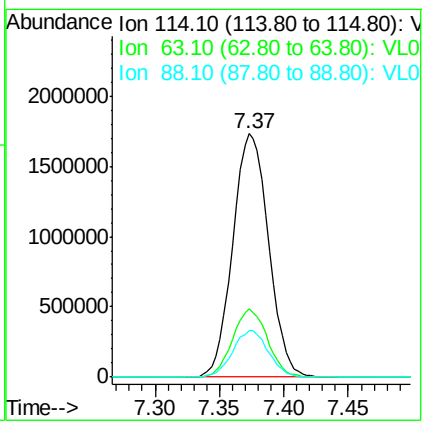


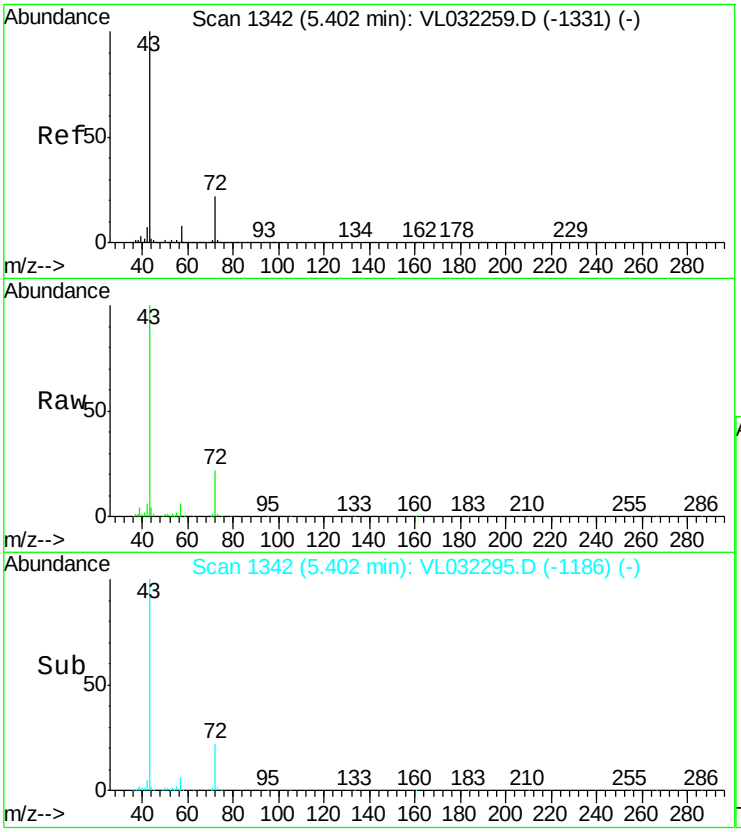




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:114 Resp: 3345261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 27.4 | 22.6 | 33.8 |
| 88 | 19.1 | 15.2 | 22.8 |



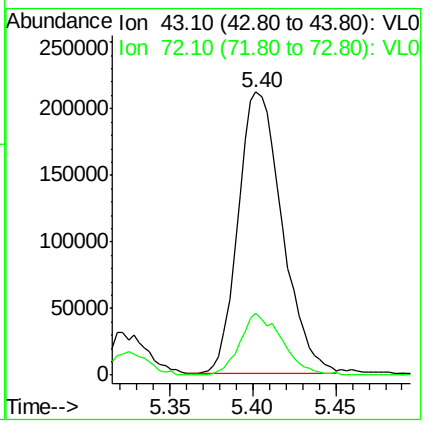


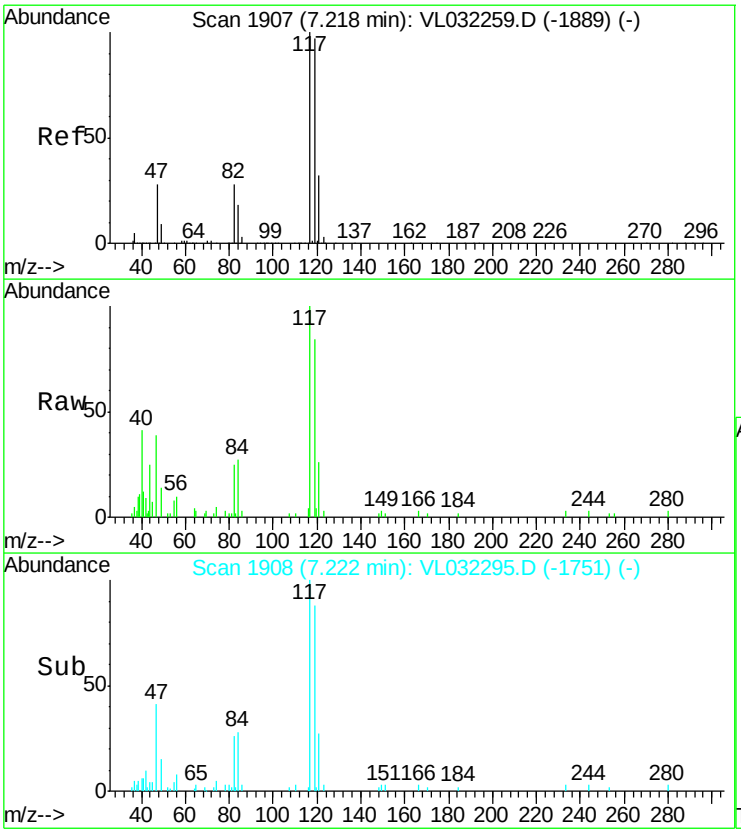

#34
2-Butanone
Concen: 1.703 ppbv
RT: 5.40 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 43 Resp: 390957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.2 | 17.7 | 26.5 |

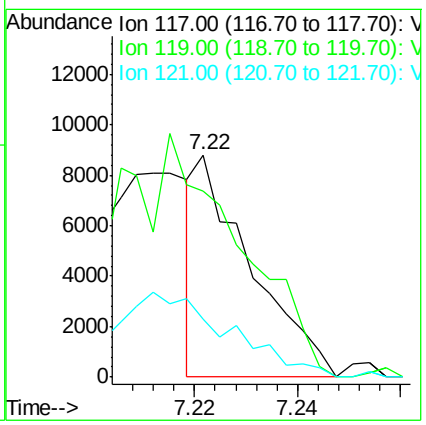


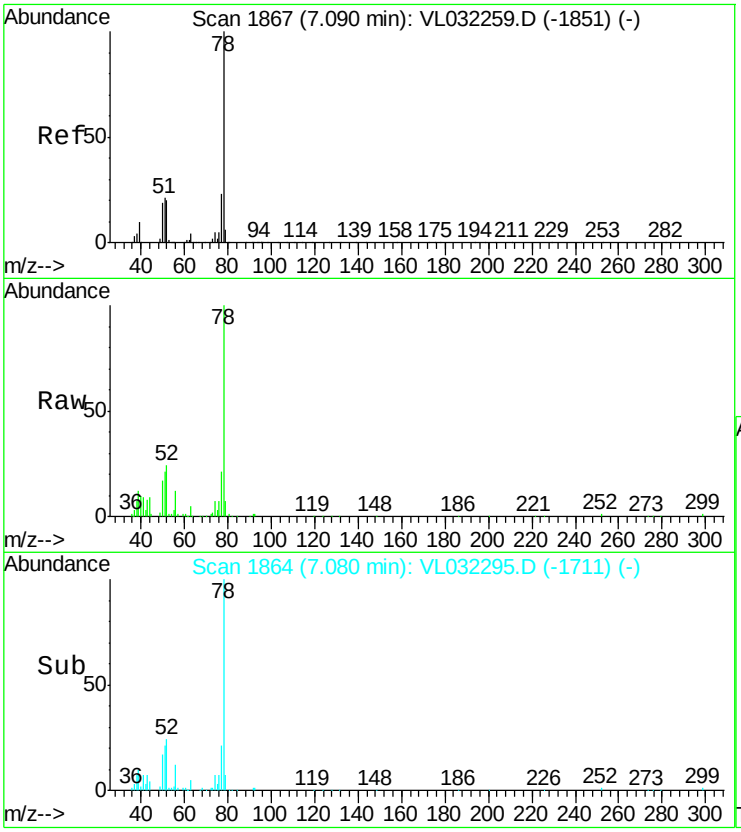




#35
Carbon Tetrachloride
Concen: 0.028 ppbv
RT: 7.22 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:117 Resp: 6500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 87.6 | 77.4 | 116.0 |
| 121 | 26.0 | 25.4 | 38.2 |



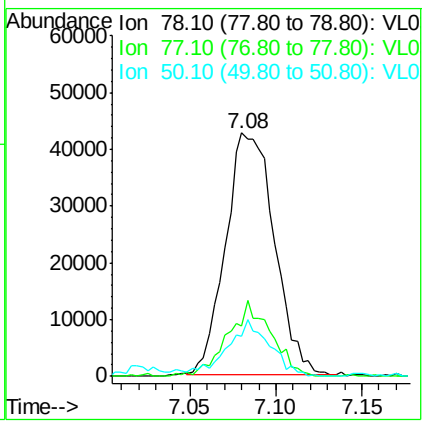


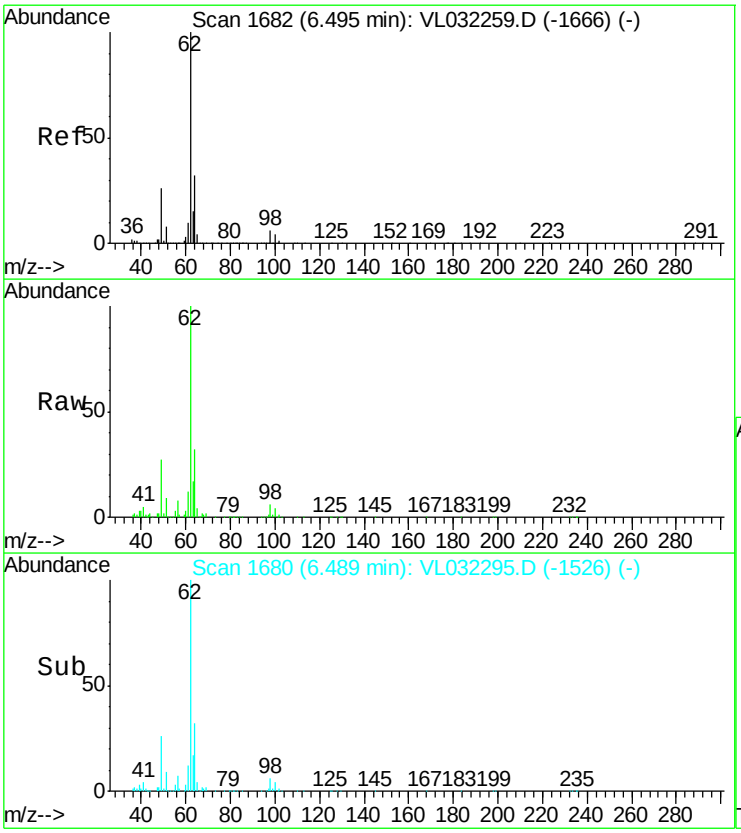

#36
Benzene
Concen: 0.256 ppbv
RT: 7.08 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 78 Resp: 84136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 20.6 | 18.6 | 27.8 |
| 50 | 16.8 | 15.0 | 22.6 |

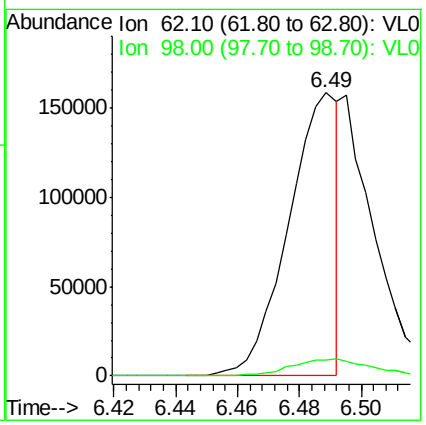


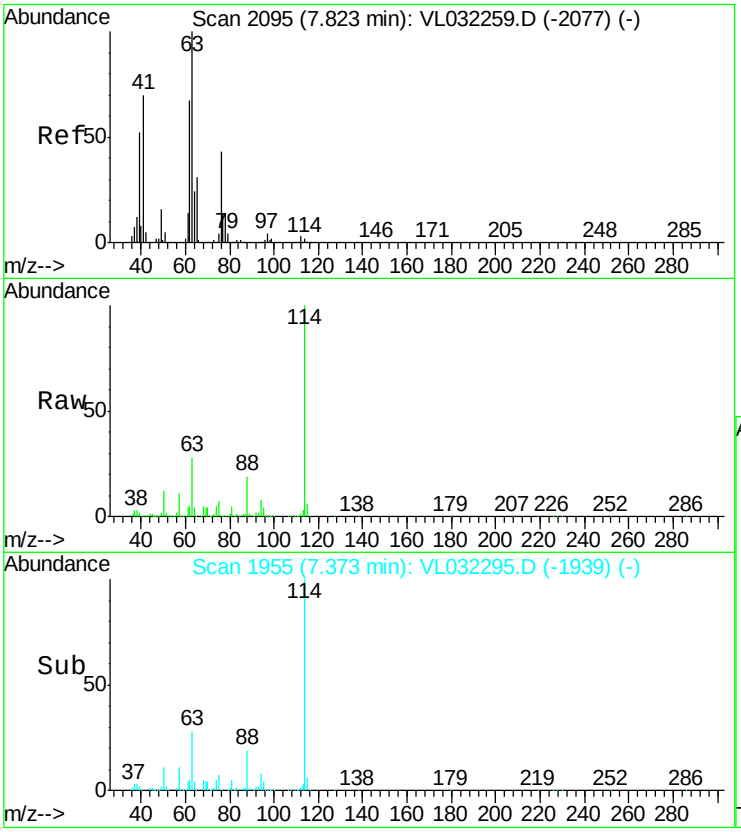




#37
1,2-Dichloroethane
Concen: 0.902 ppbv
RT: 6.49 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 62 Resp: 175402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 4.9 | 7.3# |



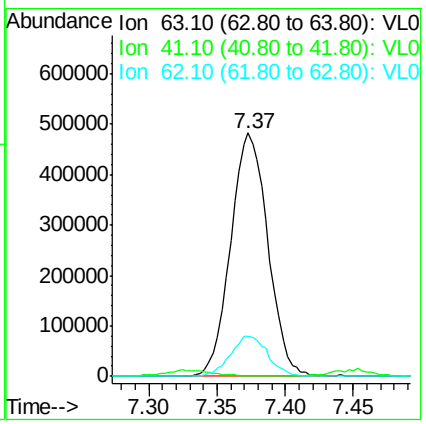


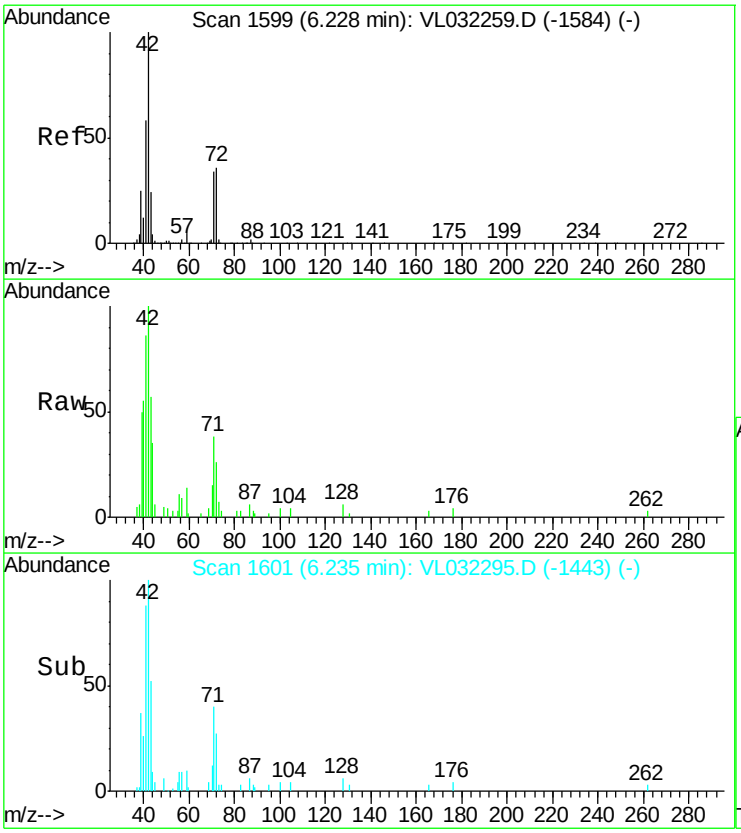

#39
1,2-Dichloropropane
Concen: 6.987 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.45 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 63 Resp: 910865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.0 | 55.8 | 83.6# |
| 62 | 16.5 | 53.8 | 80.8# |

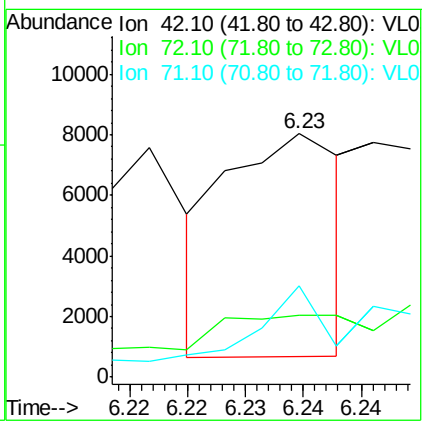


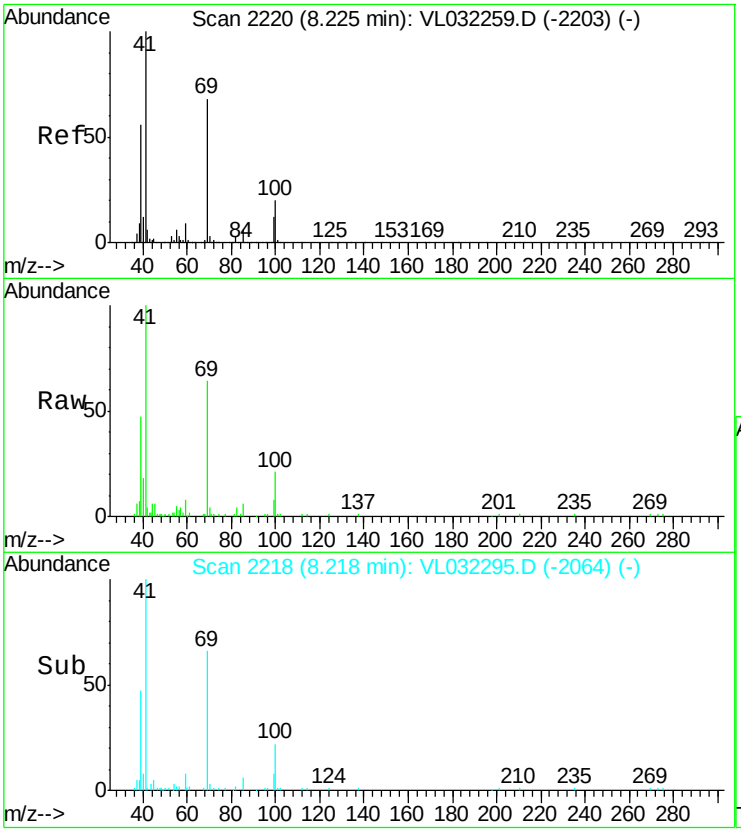




#41
Tetrahydrofuran
Concen: 0.038 ppbv
RT: 6.23 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 42 Resp: 5129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 29.4 | 44.0# |
| 71 | 93.2 | 28.2 | 42.4# |



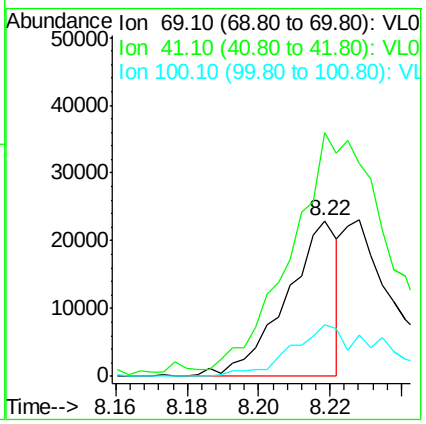


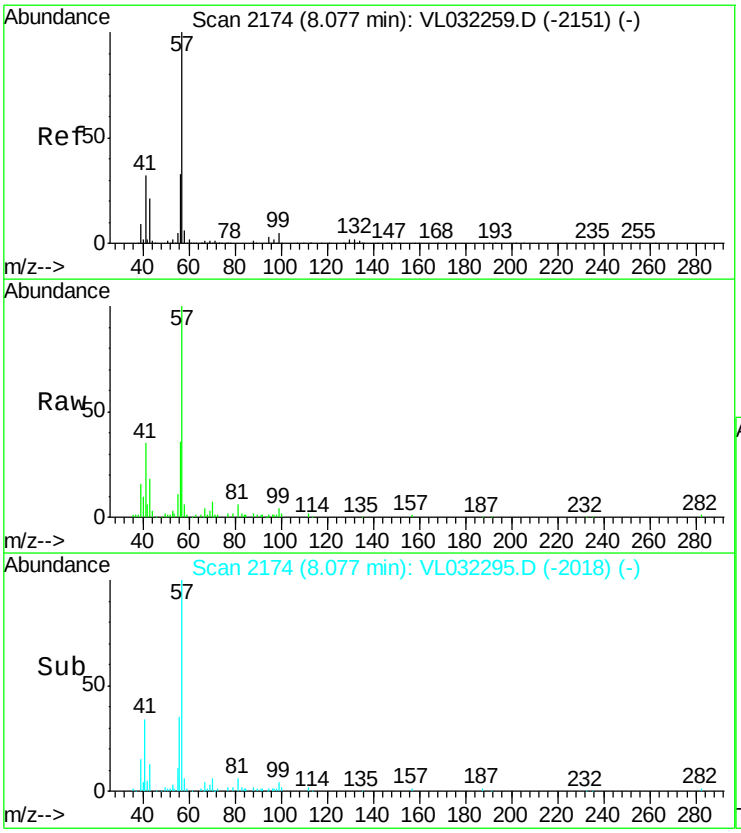

#43
Methyl Methacrylate
Concen: 0.171 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 69 Resp: 23013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 299.6 | 118.6 | 177.8# |
| 100 | 58.6 | 23.3 | 34.9# |

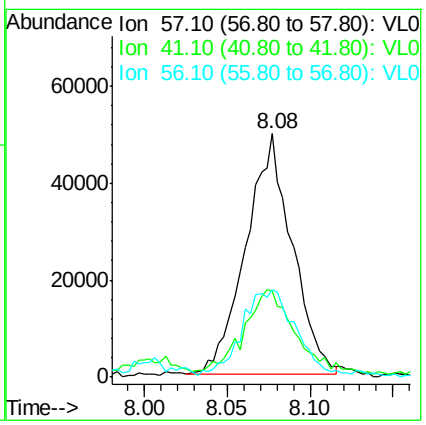


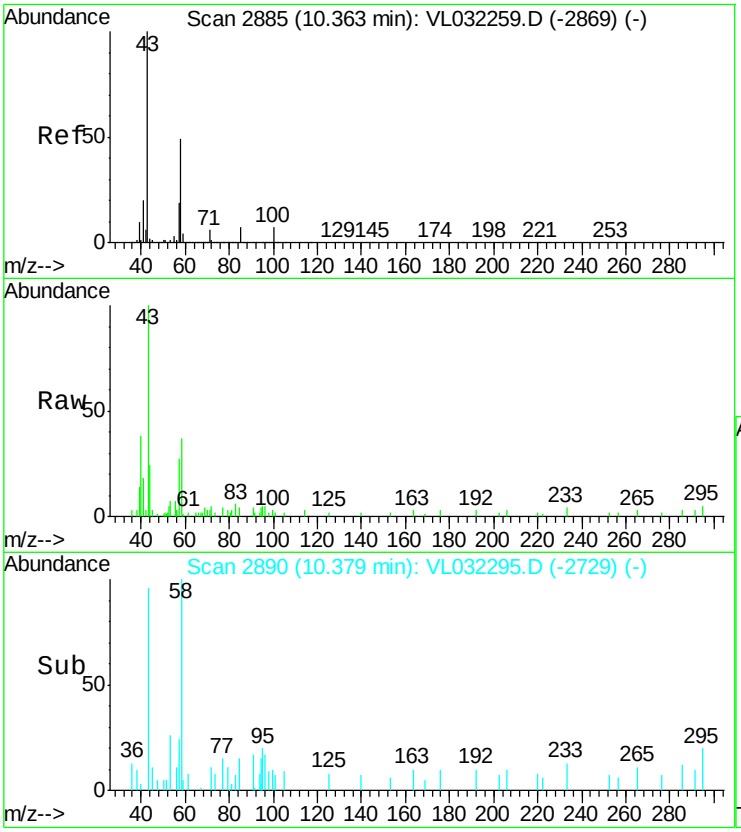




#44
2,2,4-Trimethylpentane
Concen: 0.168 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 57 Resp: 96620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 41.2 | 24.4 | 36.6# |
| 56 | 44.5 | 25.7 | 38.5# |



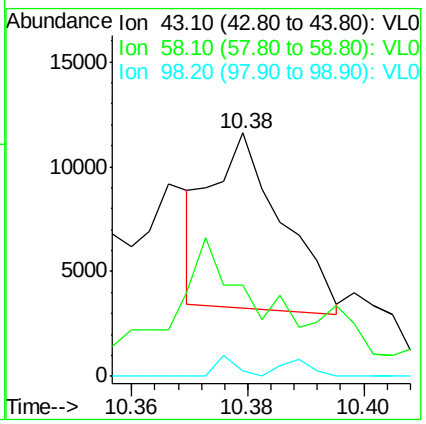


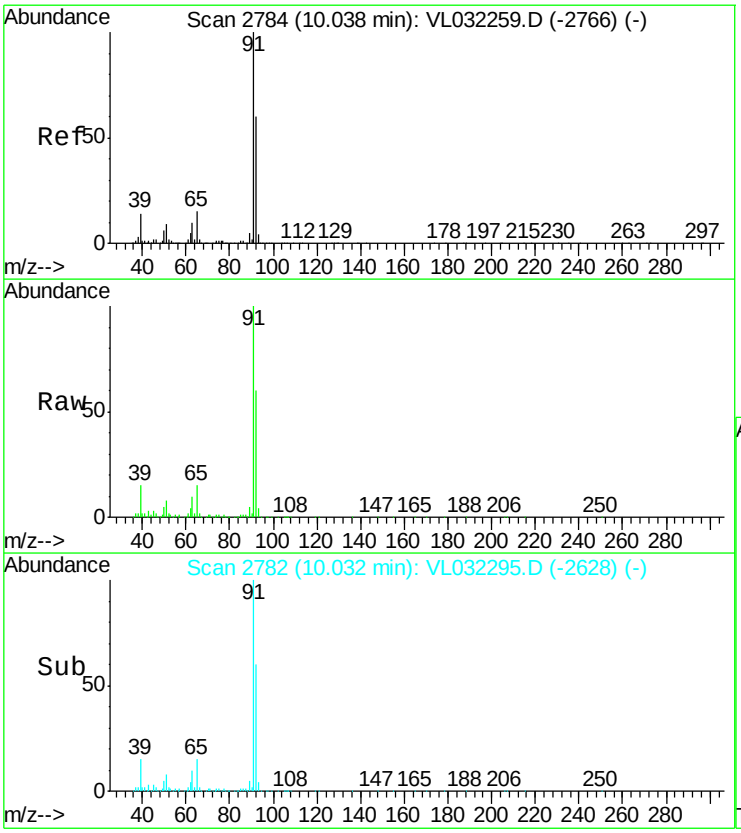

#51
2-Hexanone
Concen: 0.024 ppbv
RT: 10.38 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 43 Resp: 7010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 170.7 | 39.4 | 59.2# |
| 98 | 10.8 | 0.2 | 0.2# |

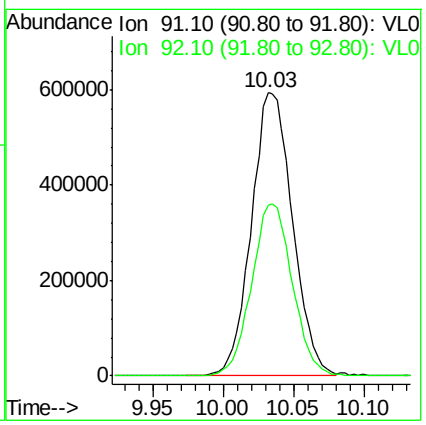


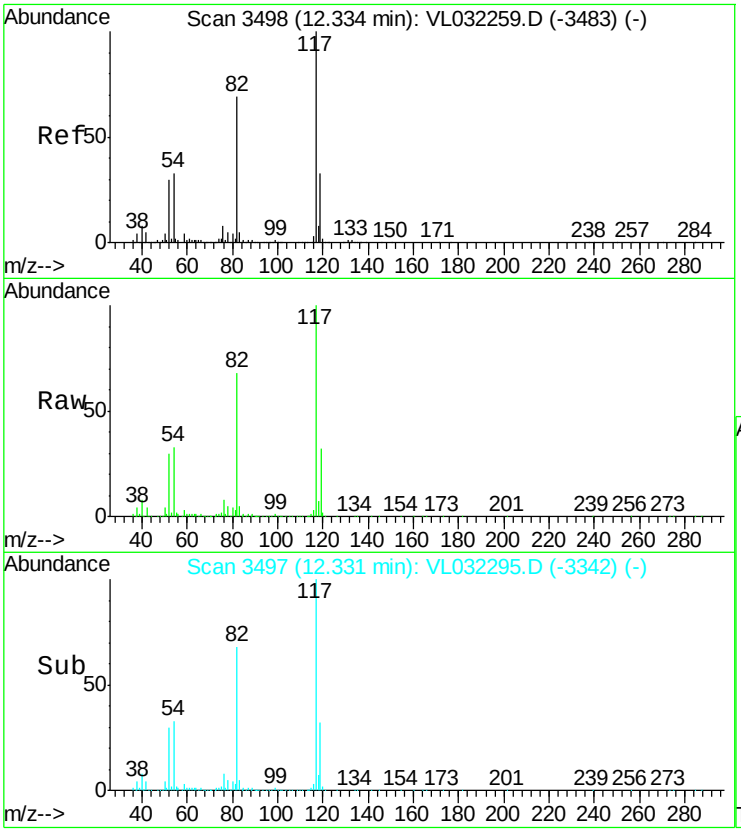




#53
Toluene
Concen: 3.026 ppbv
RT: 10.03 min Scan# 2782
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 91 Resp: 1208004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.3 | 48.6 | 72.8 |



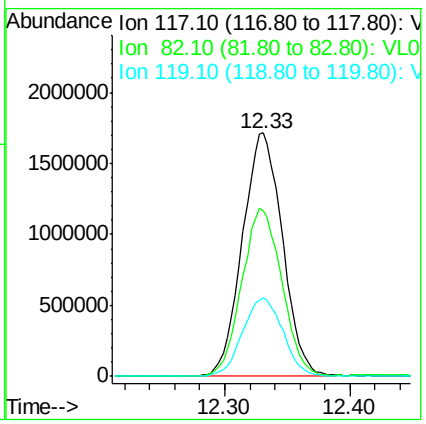


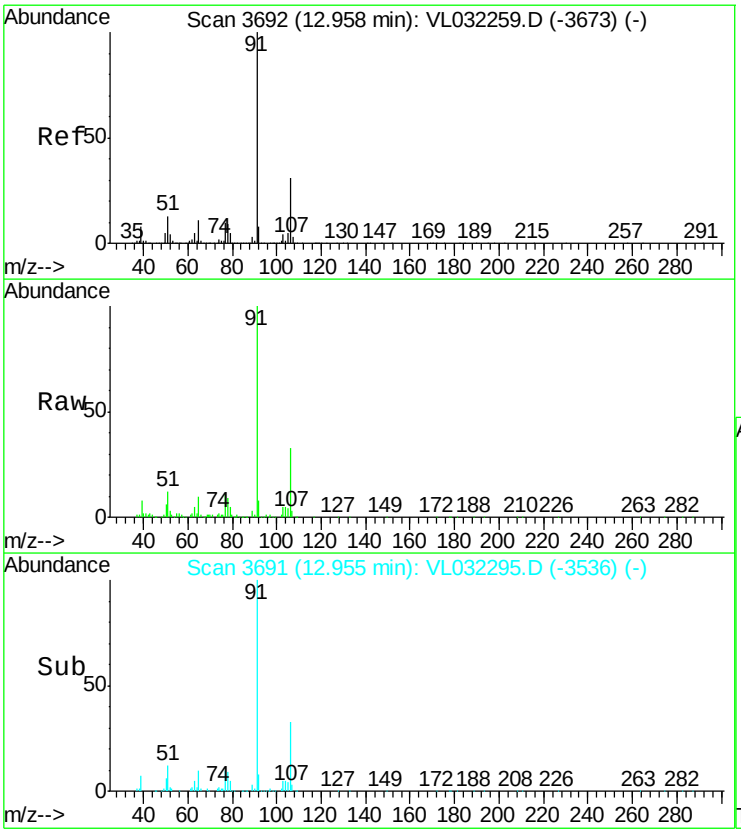

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:117 Resp: 3810026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 69.0 | 53.9 | 80.9 |
| 119 | 32.6 | 25.5 | 38.3 |

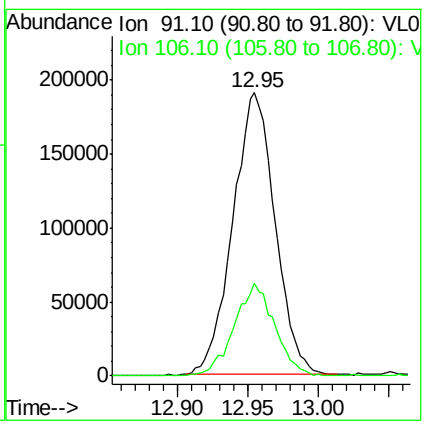


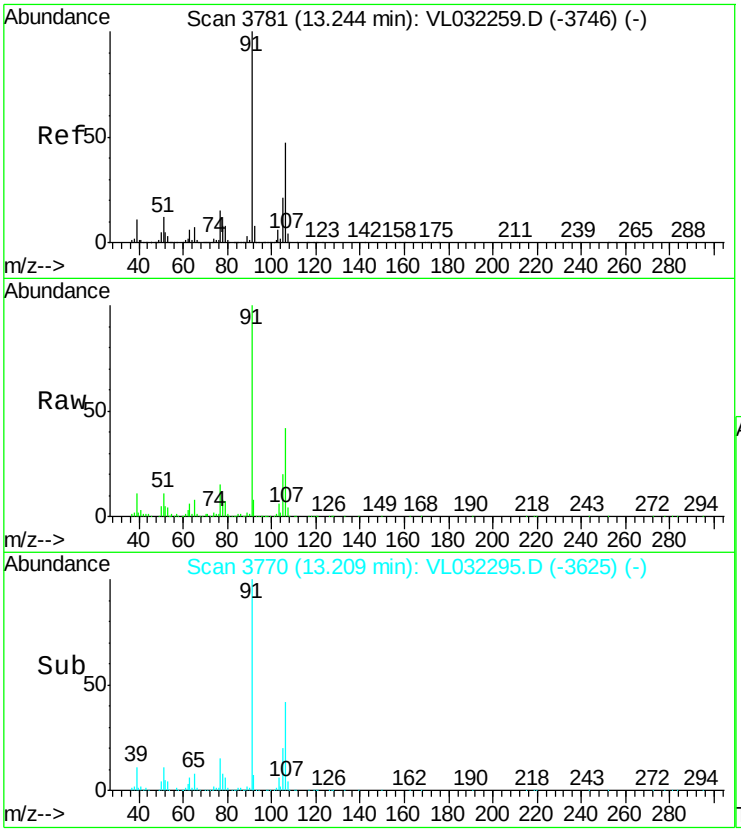




#58
Ethyl Benzene
Concen: 0.745 ppbv
RT: 12.95 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 91 Resp: 400052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.9 | 24.5 | 36.7 |



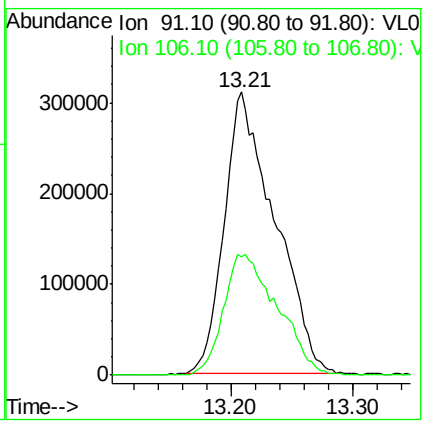


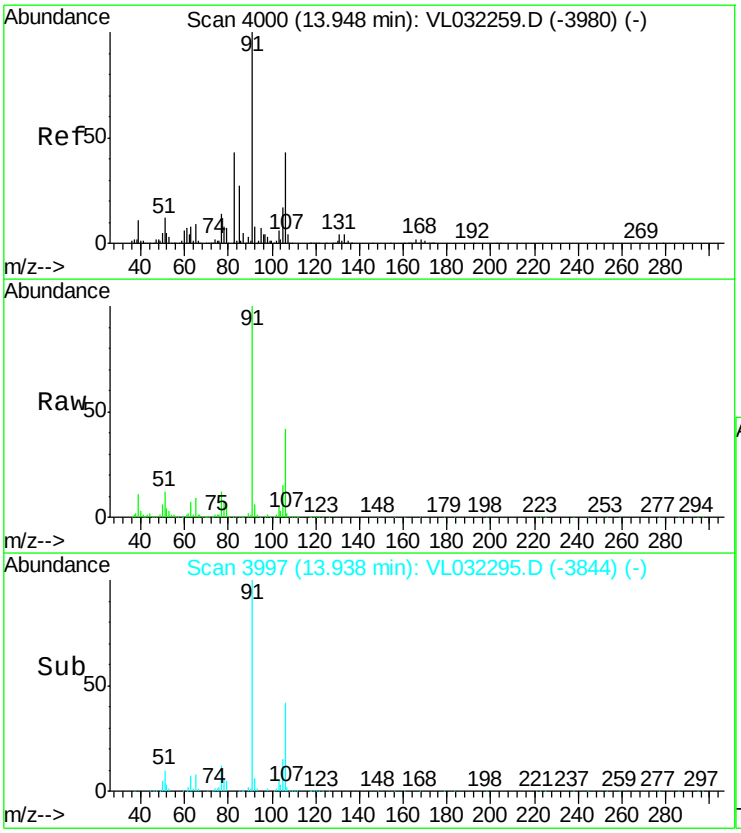

#59
m/p-Xylene
Concen: 1.951 ppbv
RT: 13.21 min Scan# 3770
Delta R.T. -0.04 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 91 Resp: 893540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 46.2 | 36.2 | 54.2 |

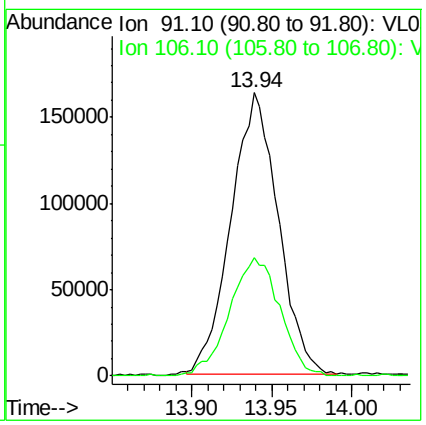


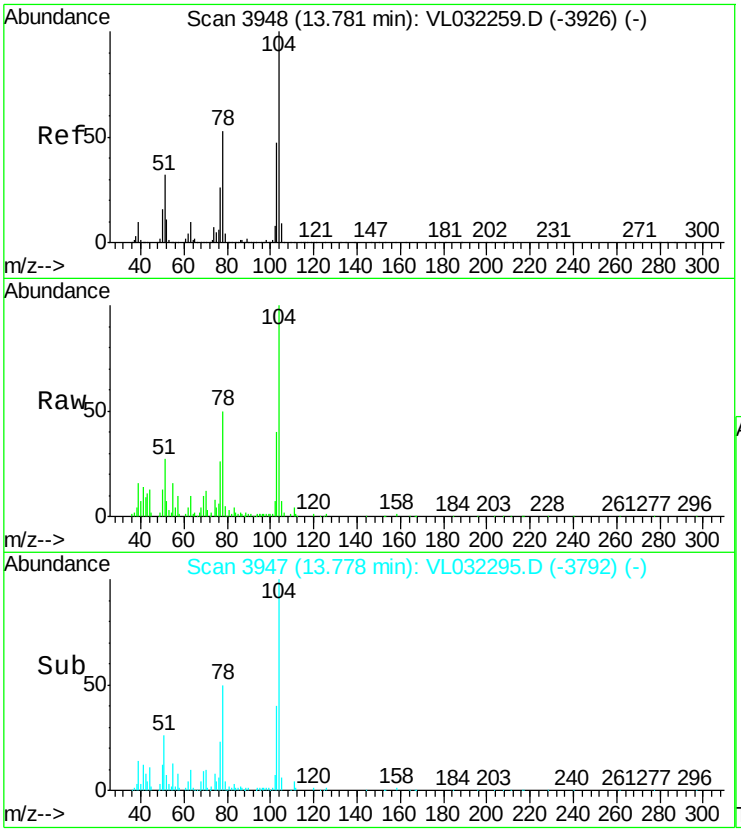




#60
o-Xylene
Concen: 0.722 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion: 91 Resp: 329528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 45.1 | 21.7 | 65.1 |



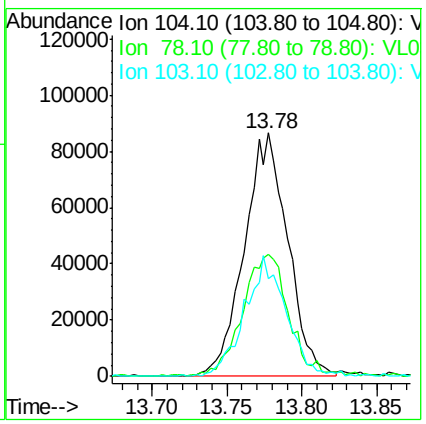


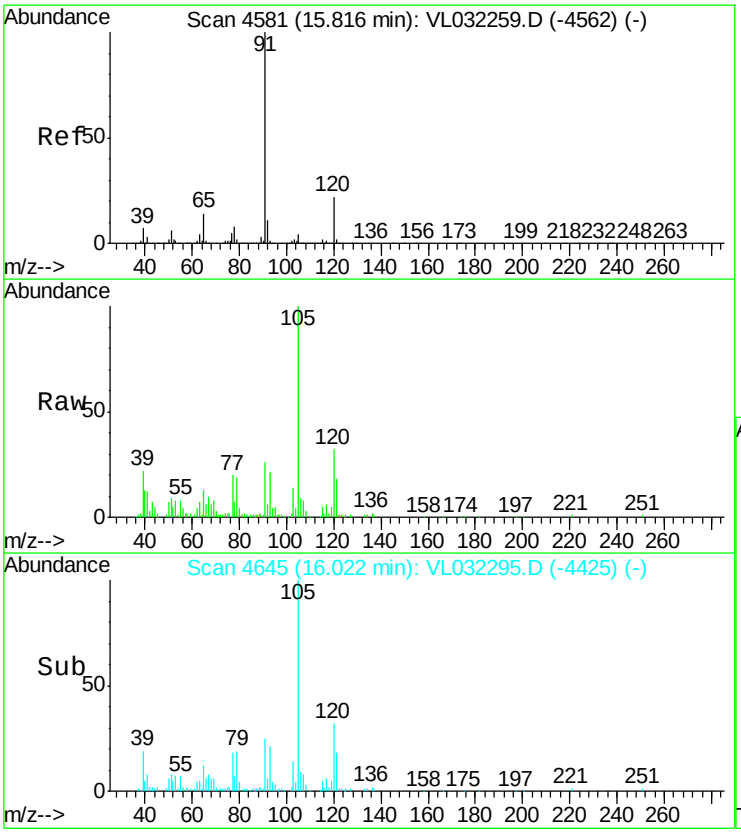

#61
Stvrene
Concen: 0.517 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:104 Resp: 175015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 43.2 | 64.8 |
| 103 | 47.4 | 37.8 | 56.6 |

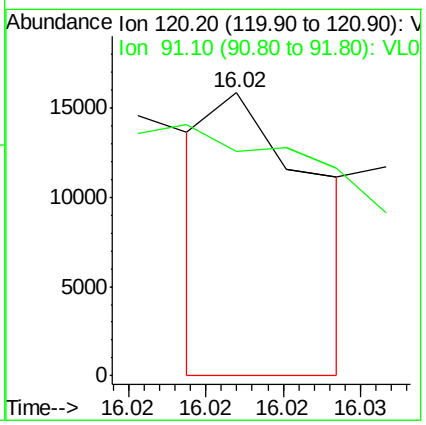


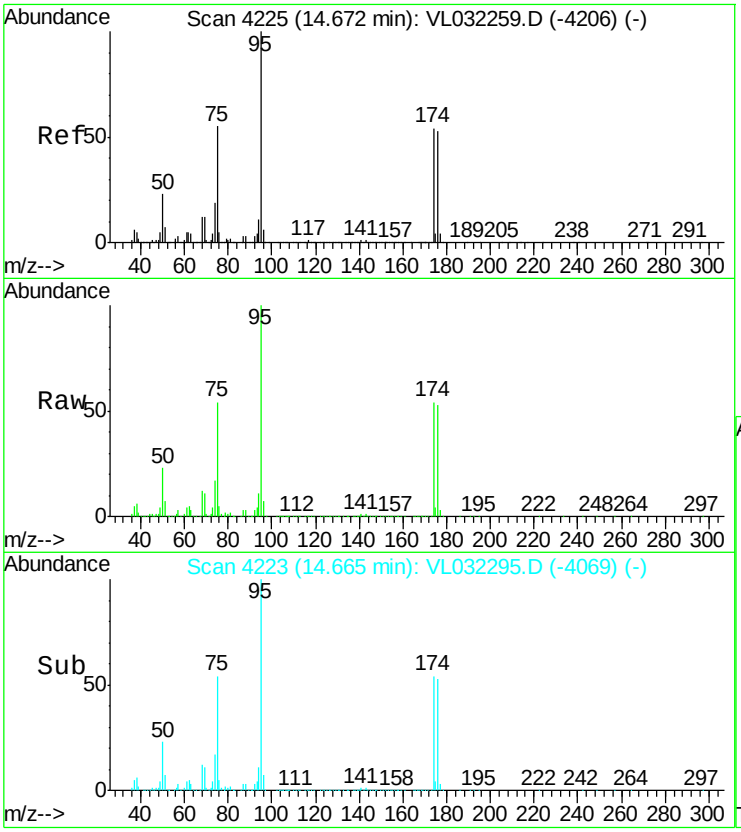




#64
n-propylbenzene
Concen: 0.044 ppbv
RT: 16.02 min Scan# 4645
Delta R.T. 0.21 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:120 Resp: 7424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 489.7 | 384.4 | 576.6 |



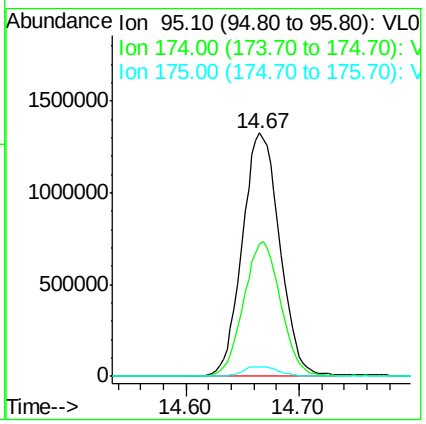


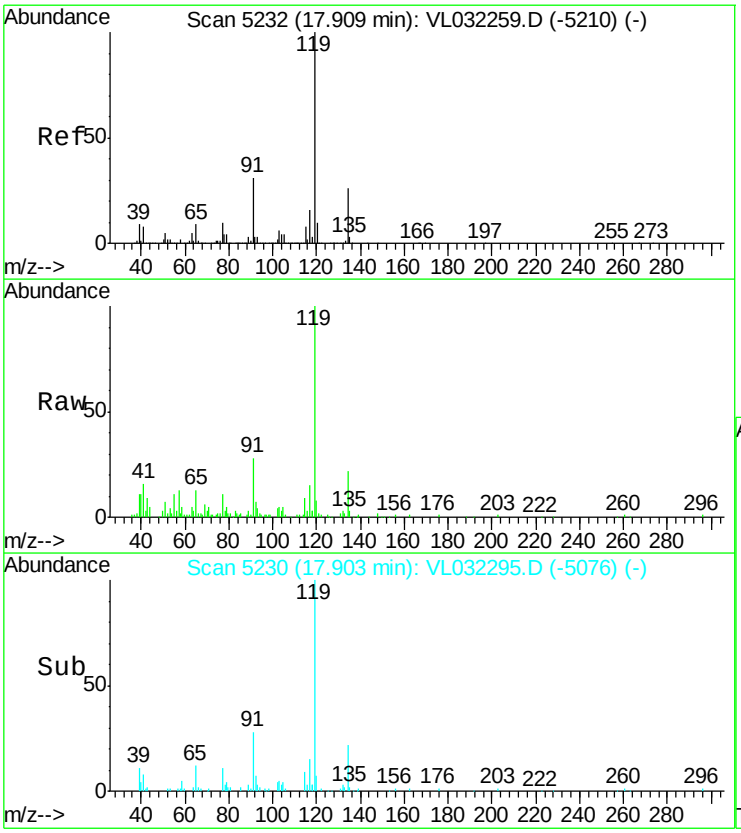

#68
1-Bromo-4-Fluorobenzene
Concen: 9.892 ppbv
RT: 14.67 min Scan# 4223
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion: 95 Resp: 3055690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 55.0 | 44.3 | 66.5 |
| 175 | 4.0 | 3.3 | 4.9 |

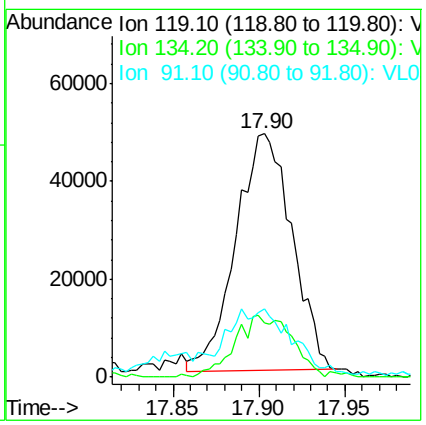


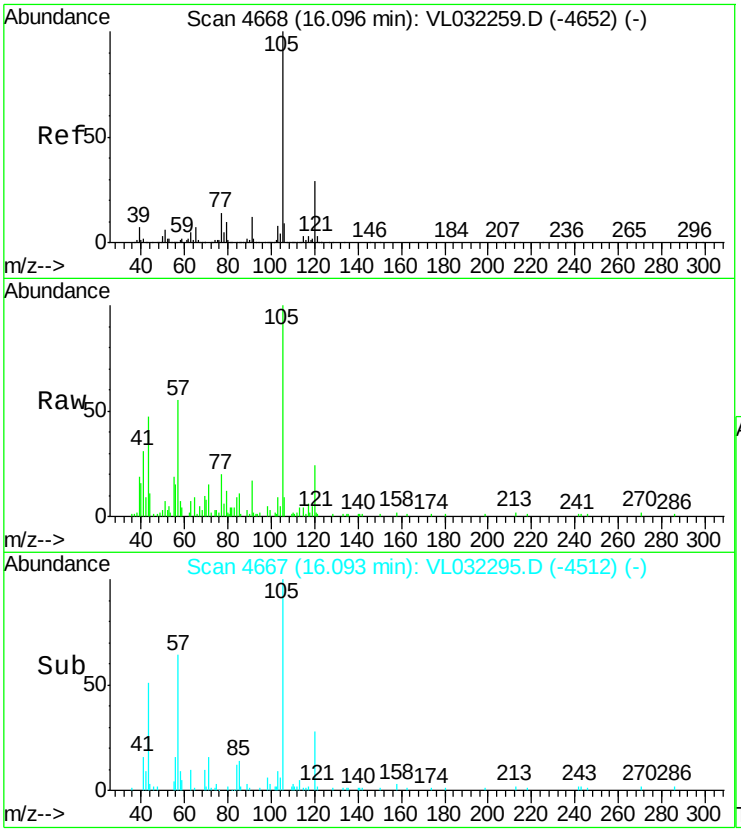




#69
p-Isopropyltoluene
Concen: 0.171 ppbv
RT: 17.90 min Scan# 5230
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:119 Resp: 109567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.1 | 20.3 | 30.5 |
| 91 | 42.0 | 24.1 | 36.1# |



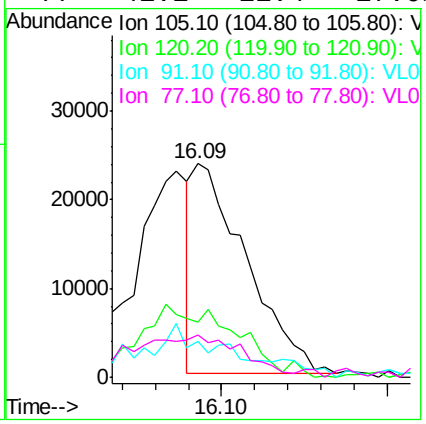


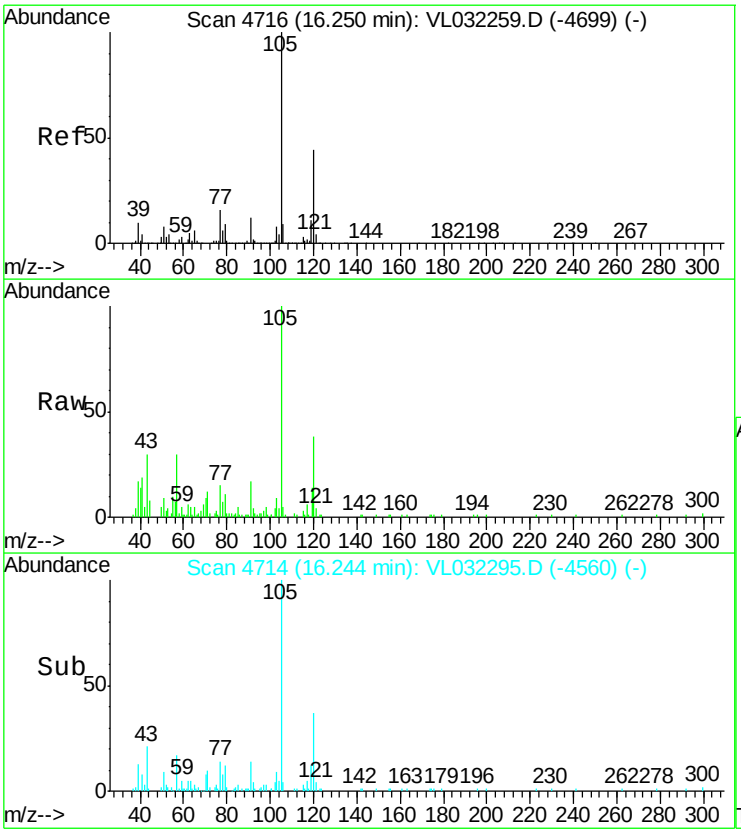

#72
4-Ethyltoluene
Concen: 0.050 ppbv
RT: 16.09 min Scan# 4667
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:105 Resp: 26277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 23.0 | 34.6# |
| 91 | 0.0 | 10.1 | 15.1# |
| 77 | 41.1 | 11.4 | 17.0# |

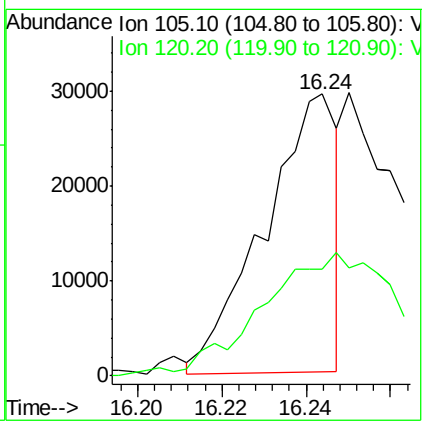


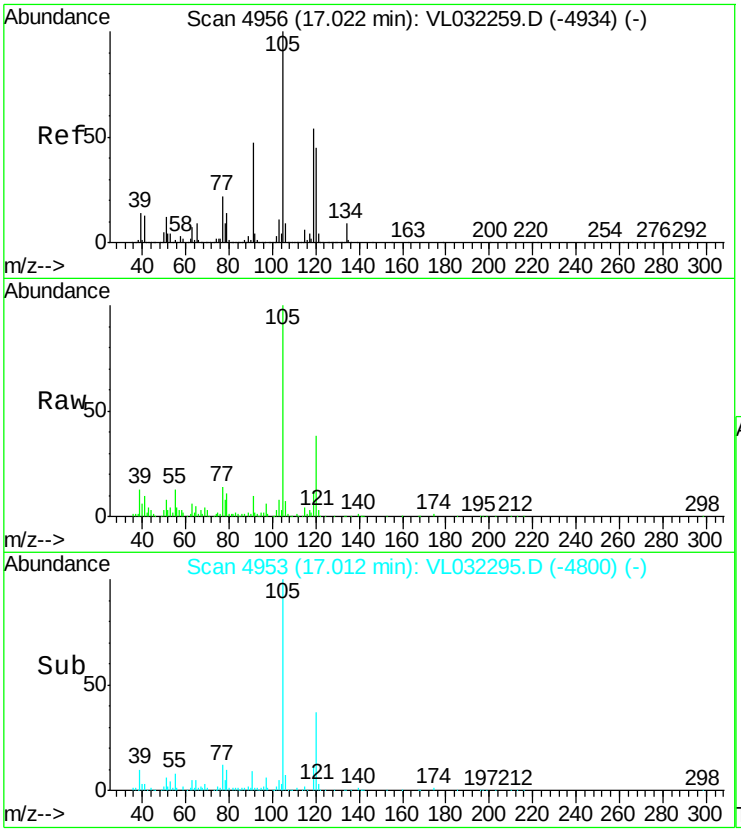




#73
1,3,5-Trimethylbenzene
Concen: 0.068 ppbv
RT: 16.24 min Scan# 4714
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:105 Resp: 35127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 35.8 | 35.5 | 53.3 |



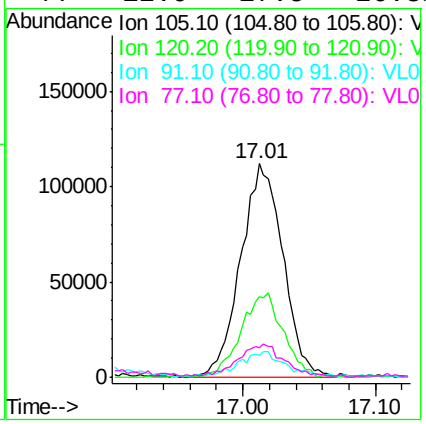


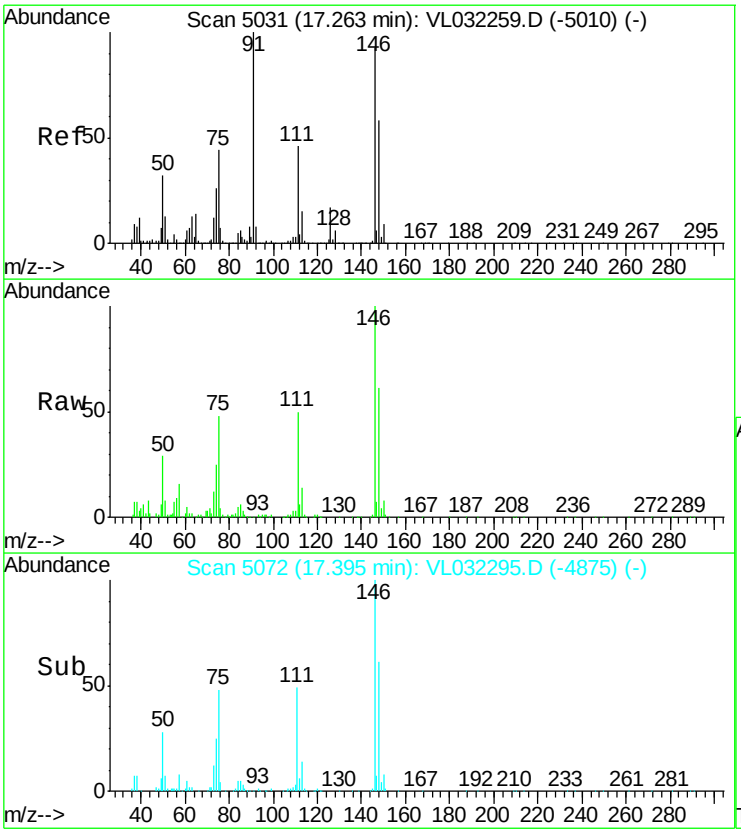

#74
1,2,4-Trimethylbenzene
Concen: 0.458 ppbv
RT: 17.01 min Scan# 4953
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:105 Resp: 247021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 37.6 | 35.8 | 53.6 |
| 91 | 10.0 | 38.2 | 57.4# |
| 77 | 12.9 | 17.5 | 26.3# |

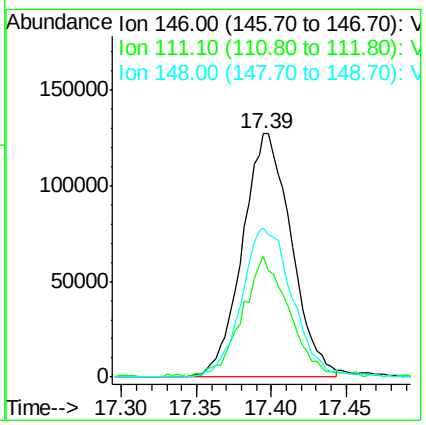


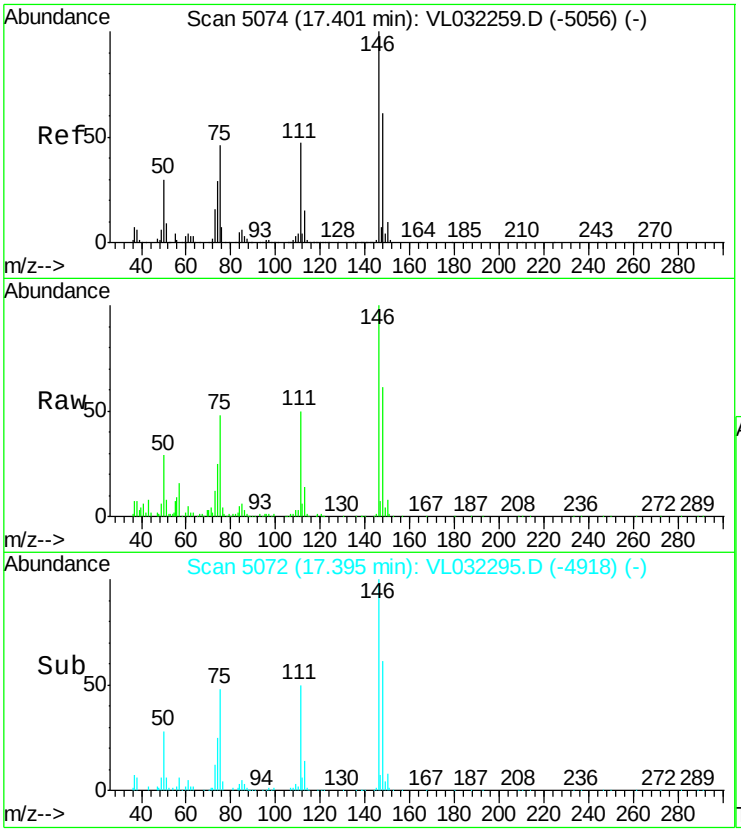




#75
1,3-Dichlorobenzene
Concen: 0.965 ppbv
RT: 17.39 min Scan# 5072
Delta R.T. 0.13 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:146 Resp: 289105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.2 | 25.1 | 75.4 |
| 148 | 64.1 | 31.8 | 95.3 |



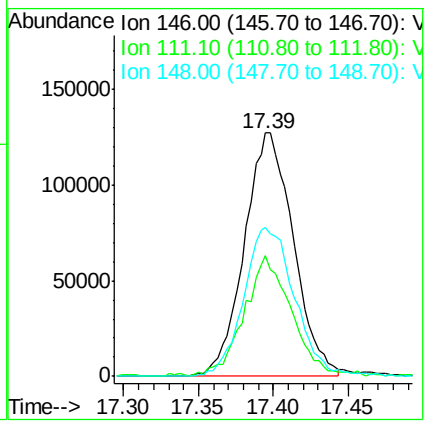


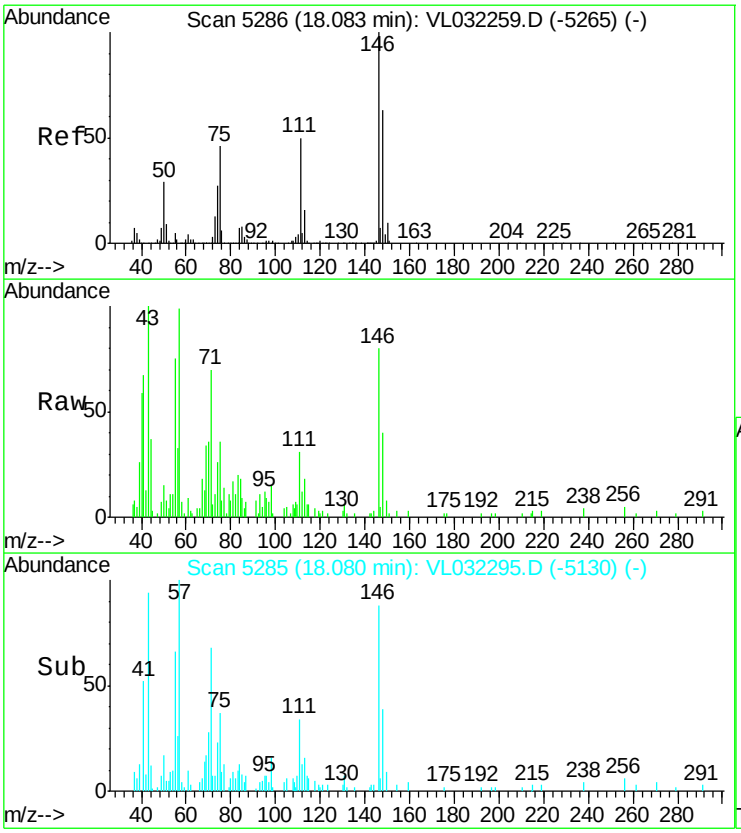

#76
1,4-Dichlorobenzene
Concen: 0.973 ppbv
RT: 17.39 min Scan# 5072
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:146 Resp: 289105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.0 | 24.1 | 72.2 |
| 148 | 64.1 | 31.9 | 95.9 |

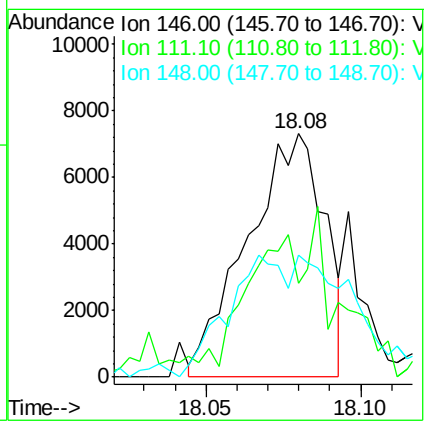


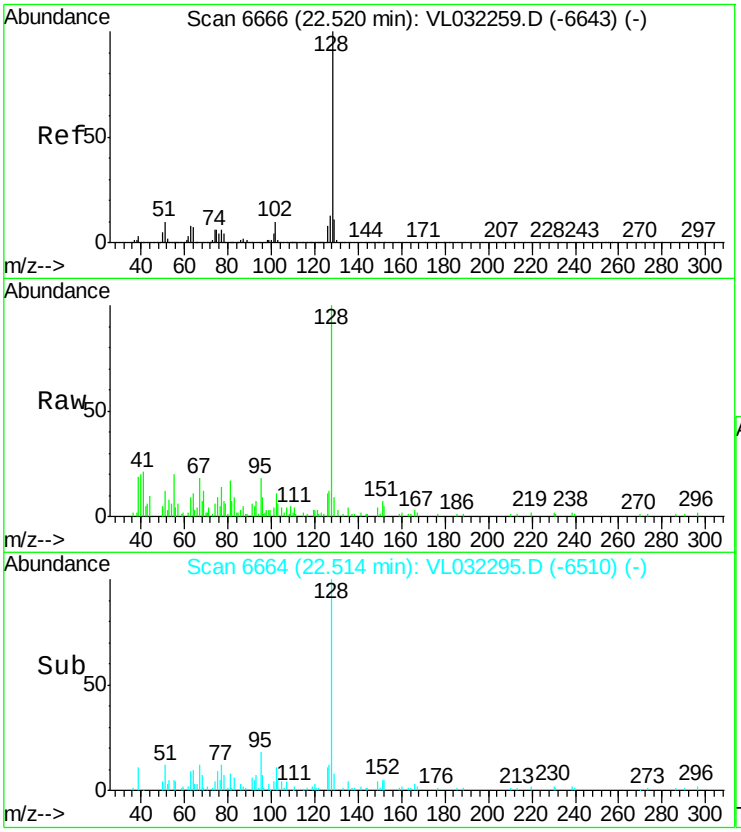




#77
1,2-Dichlorobenzene
Concen: 0.044 ppbv
RT: 18.08 min Scan# 5285
Delta R.T. -0.00 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:146 Resp: 12668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 82.4 | 25.6 | 76.8# |
| 148 | 83.8 | 31.9 | 95.5 |



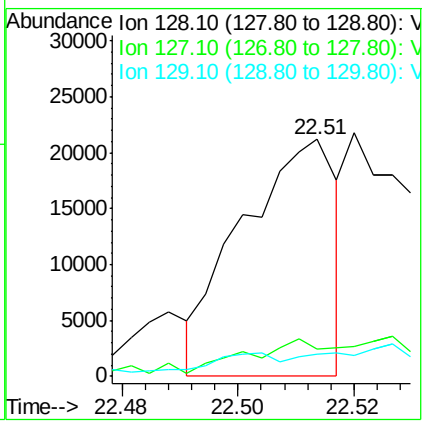


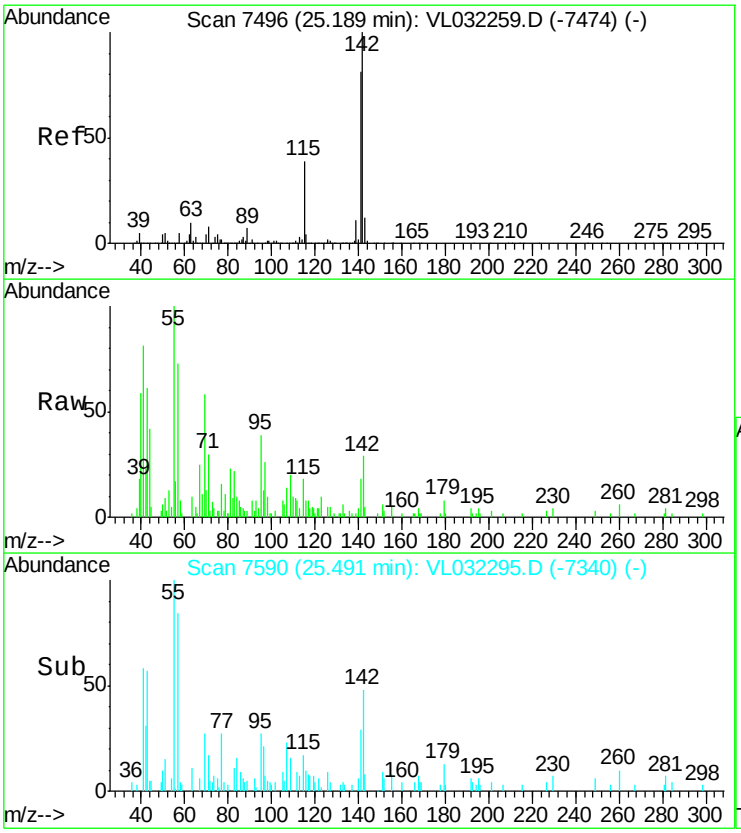

#79
Naphthalene
Concen: 0.053 ppbv
RT: 22.51 min Scan# 6664
Delta R.T. -0.01 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

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

Tgt Ion:128 Resp: 24015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.5 | 15.7 |
| 129 | 8.1 | 8.6 | 12.8# |




#80
Naphthalene,2-methyl-
Concen: 0.030 ppbv
RT: 25.49 min Scan# 7590
Delta R.T. 0.30 min
Lab File: VL032295.D
Acq: 19 Jul 2018 19:35

Tgt Ion:142 Resp: 5721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 81.3 | 67.1 | 100.7 |
| 115 | 39.6 | 32.5 | 48.7 |