Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\

Quantitation Report (Not Reviewed)

Data File : VL034214.D
Acq On : 2 Oct 2019 17:13
Operator : SY/AP
Sample : K5106-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Quant Time: Oct 03 05:41:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.71 | 49 | 969491 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.23 | 114 | 1839845 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.16 | 117 | 1872272 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.49 | 95 | 1633505 | 10.04 | ppbv | | -0.02 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 100.40% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.03 | 85 | 40073 | 0.280 | ppbv | # | 85 |
| 3) Chlorodifluoromethane | 2.94 | 51 | 81629 | 0.718 | ppbv | # | 72 |
| 4) Chloromethane | 3.12 | 50 | 206143 | 3.086 | ppbv | | 92 |
| 5) Vinyl Chloride | 3.25 | 62 | 49163 | 0.805 | ppbv | | 98 |
| 6) Bromomethane | 3.47 | 94 | 1359 | 0.048 | ppbv | # | 67 |
| 7) Chloroethane | 3.56 | 64 | 12641 | 0.592 | ppbv | # | 79 |
| 9) Propene | 2.99 | 41 | 6597893 | 117.644 | ppbv | | 86 |
| 10) Heptane | 8.18 | 43 | 2726094 | 18.651 | ppbv | | 98 |
| 11) Trichlorofluoromethane | 3.96 | 101 | 39439 | 0.303 | ppbv | | 96 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.50 | 101 | 6628 | 0.078 | ppbv | # | 81 |
| 13) Ethanol | 3.61 | 45 | 634500 | 46.721 | ppbv | | 95 |
| 15) Acetone | 3.85 | 43 | 7884387 | 60.678 | ppbv | # | 77 |
| 16) 1,3-Butadiene | 3.30 | 39 | 5893716 | 103.934 | ppbv | # | 37 |
| 17) tert-Butyl alcohol | 4.31 | 59 | 1025062 | 12.451 | ppbv | | 98 |
| 19) Isopropyl Alcohol | 3.98 | 45 | 324461 | 4.061 | ppbv | # | 95 |
| 20) Methylene Chloride | 4.37 | 84 | 76504 | 2.042 | ppbv | # | 91 |
| 21) Allyl Chloride | 4.41 | 41 | 187644 | 2.557 | ppbv | # | 1 |
| 23) Vinyl Acetate | 5.09 | 43 | 531544 | 2.776 | ppbv | # | 1 |
| 24) 1,1-Dichloroethane | 5.08 | 63 | 7869 | 0.061 | ppbv | # | 91 |
| 25) Ethyl Acetate | 5.72 | 43 | 887208 | 3.611 | ppbv | # | 83 |
| 26) Hexane | 5.72 | 57 | 1005992 | 9.842 | ppbv | # | 39 |
| 27) Carbon Disulfide | 4.56 | 76 | 884975 | 9.388 | ppbv | | 100 |
| 29) Chloroform | 5.79 | 83 | 1818877 | 12.453 | ppbv | | 98 |
| 30) Cyclohexane | 7.18 | 84 | 1108605 | 15.023 | ppbv | | 98 |
| 34) 2-Butanone | 5.27 | 43 | 2943493 | 15.669 | ppbv | | 94 |
| 36) Benzene | 6.94 | 78 | 939893 | 4.625 | ppbv | | 95 |
| 37) 1,2-Dichloroethane | 6.35 | 62 | 24577 | 0.170 | ppbv | | 97 |
| 38) Trichloroethene | 7.89 | 130 | 12870 | 0.177 | ppbv | | 90 |
| 39) 1,2-Dichloropropane | 7.55 | 63 | 5695 | 0.062 | ppbv | # | 1 |
| 41) Tetrahydrofuran | 6.08 | 42 | 6347 | 0.060 | ppbv | # | 42 |
| 42) Bromodichloromethane | 7.85 | 83 | 79412 | 0.458 | ppbv | # | 25 |
| 43) Methyl Methacrylate | 8.06 | 69 | 32662 | 0.389 | ppbv | # | 1 |
| 44) 2,2,4-Trimethylpentane | 7.92 | 57 | 2236110 | 5.716 | ppbv | # | 68 |
| 50) 4-Methyl-2-Pentanone | 8.80 | 43 | 99033 | 0.362 | ppbv | # | 33 |
| 51) 2-Hexanone | 10.19 | 43 | 266893 | 1.163 | ppbv | # | 77 |
| 52) Tetrachloroethene | 11.30 | 164 | 982776 | 14.639 | ppbv | | 95 |
| 53) Toluene | 9.87 | 91 | 790570 | 3.560 | ppbv | | 98 |
| 58) Ethyl Benzene | 12.78 | 91 | 227777 | 0.754 | ppbv | # | 80 |
| 59) m/p-Xylene | 13.04 | 91 | 660798 | 2.641 | ppbv | | 97 |
| 60) o-Xylene | 13.77 | 91 | 276778 | 1.106 | ppbv | | 95 |
| 61) Styrene | 13.60 | 104 | 14583 | 0.081 | ppbv | # | 37 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\

Quantitation Report (Not Reviewed)

Data File : VL034214.D
Acq On : 2 Oct 2019 17:13
Operator : SY/AP
Sample : K5106-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Quant Time: Oct 03 05:41:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 64) n-propylbenzene | 15.64 | 120 | 15654 | 0.191 | ppbv | # | 1 |
| 70) n-Butylbenzene | 18.64 | 91 | 11731 | 0.031 | ppbv | # | 1 |
| 72) 4-Ethyltoluene | 15.92 | 105 | 139605 | 0.494 | ppbv | | 96 |
| 73) 1,3,5-Trimethylbenzene | 16.08 | 105 | 124659 | 0.456 | ppbv | | 98 |
| 74) 1,2,4-Trimethylbenzene | 16.84 | 105 | 426986 | 1.473 | ppbv | # | 66 |
| 79) Naphthalene | 22.32 | 128 | 22793 | 0.089 | ppbv | # | 83 |
| 80) Naphthalene,2-methyl- | 25.05 | 142 | 4212 | 0.035 | ppbv | # | 53 |

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

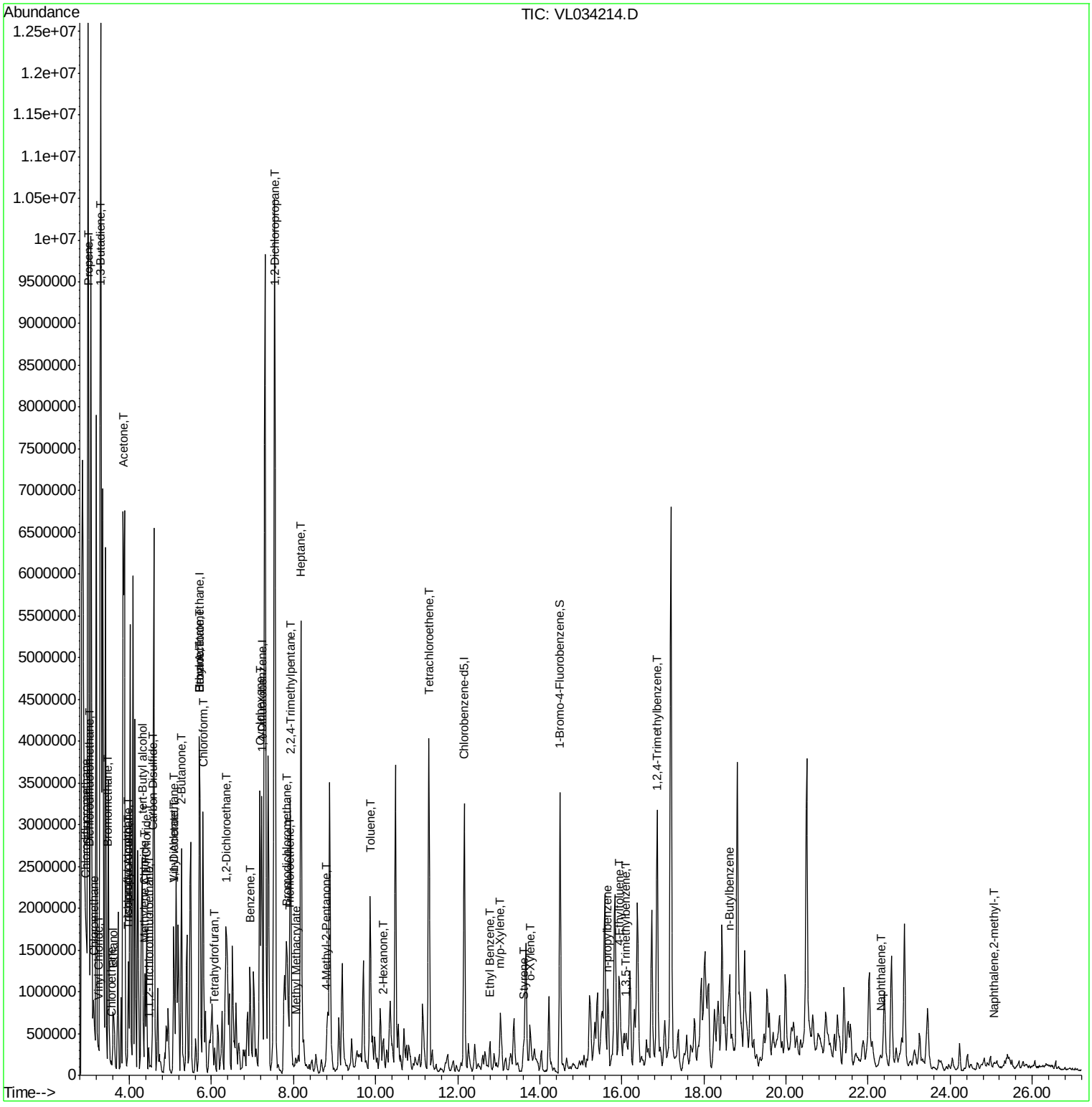
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\

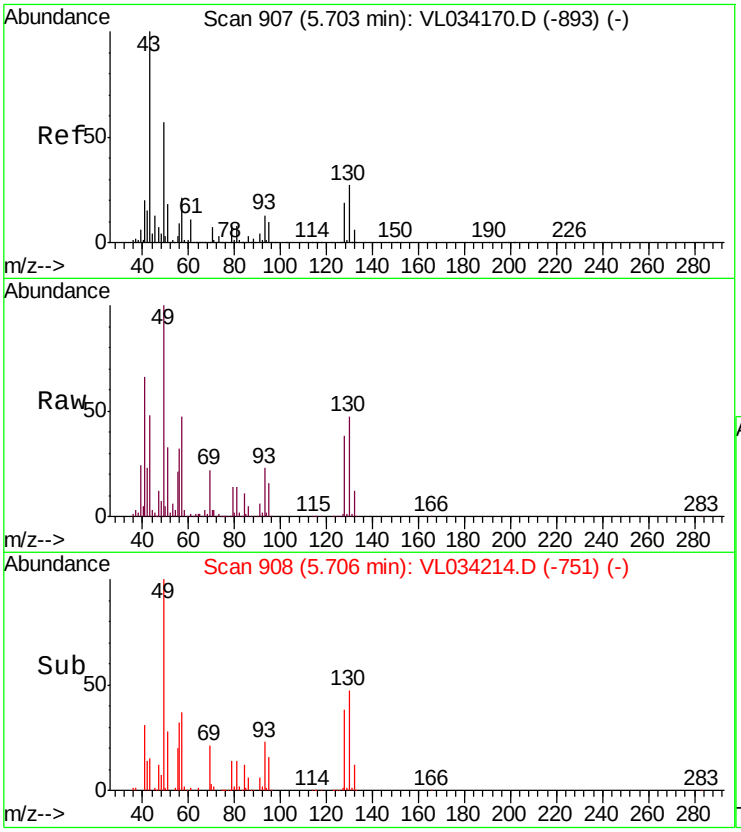
Quantitation Report (Not Reviewed)

Data File : VL034214.D
Acq On : 2 Oct 2019 17:13
Operator : SY/AP
Sample : K5106-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Quant Time: Oct 03 05:41:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration



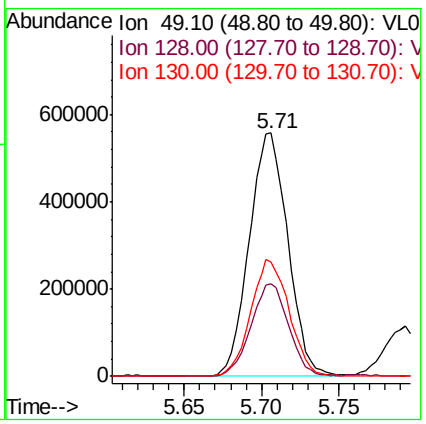


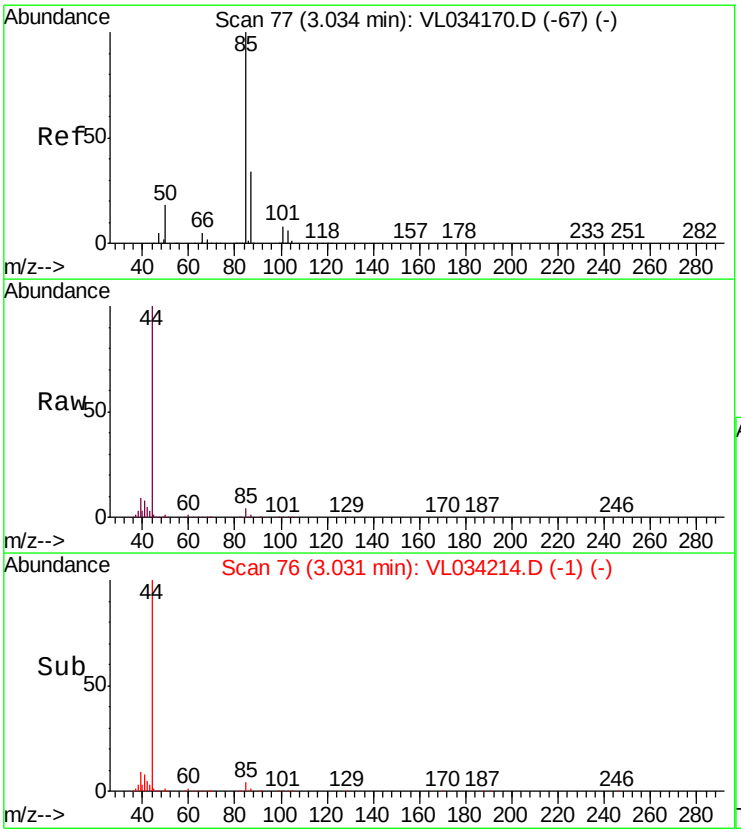

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 49 Resp: 969491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 37.6 | 17.6 | 52.9 |
| 130 | 48.0 | 22.3 | 66.9 |

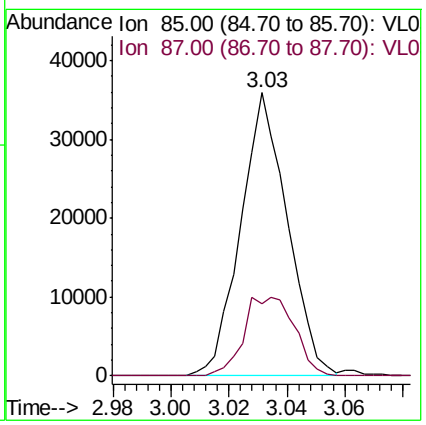


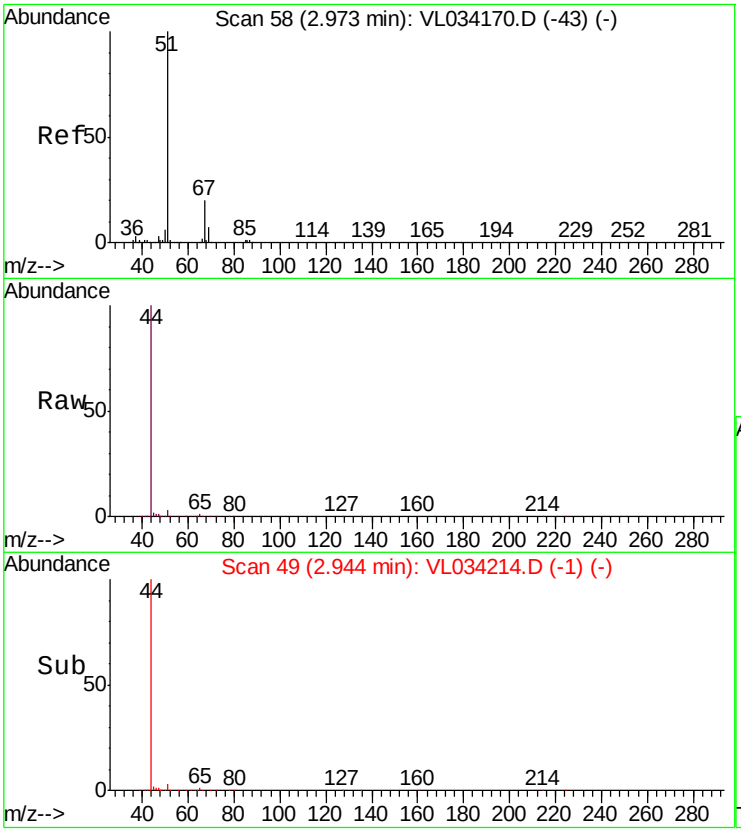




#2
Dichlorodifluoromethane
Concen: 0.280 ppbv
RT: 3.03 min Scan# 76
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 85 Resp: 40073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 25.5 | 27.2 | 40.8# |



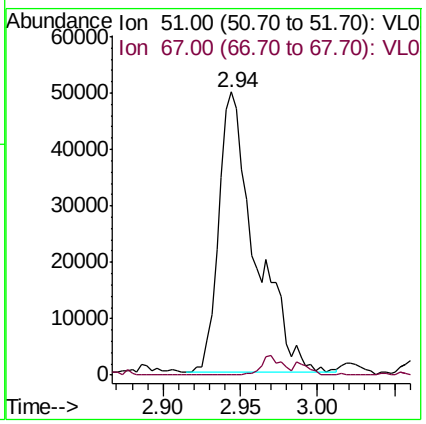


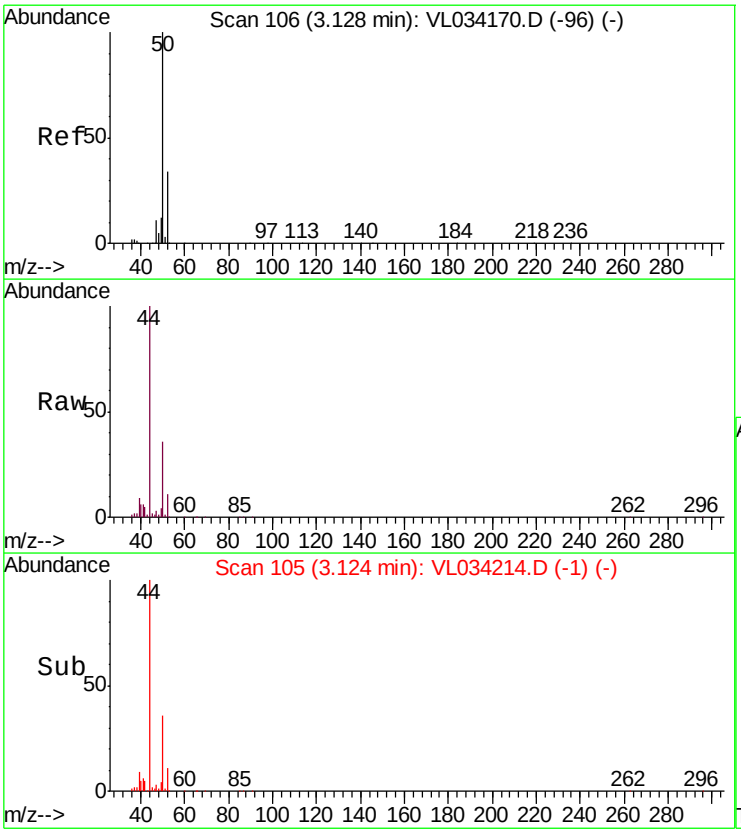

#3
Chlorodifluoromethane
Concen: 0.718 ppbv
RT: 2.94 min Scan# 49
Delta R.T. -0.03 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 51 Resp: 81629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 5.8 | 14.8 | 22.2# |

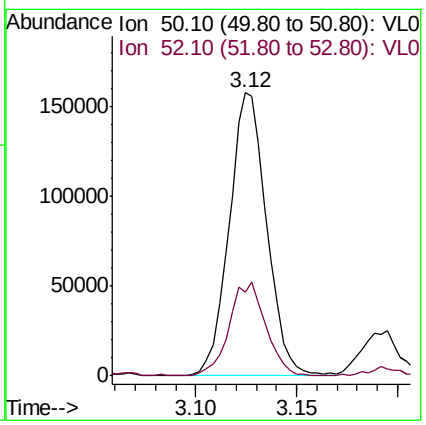


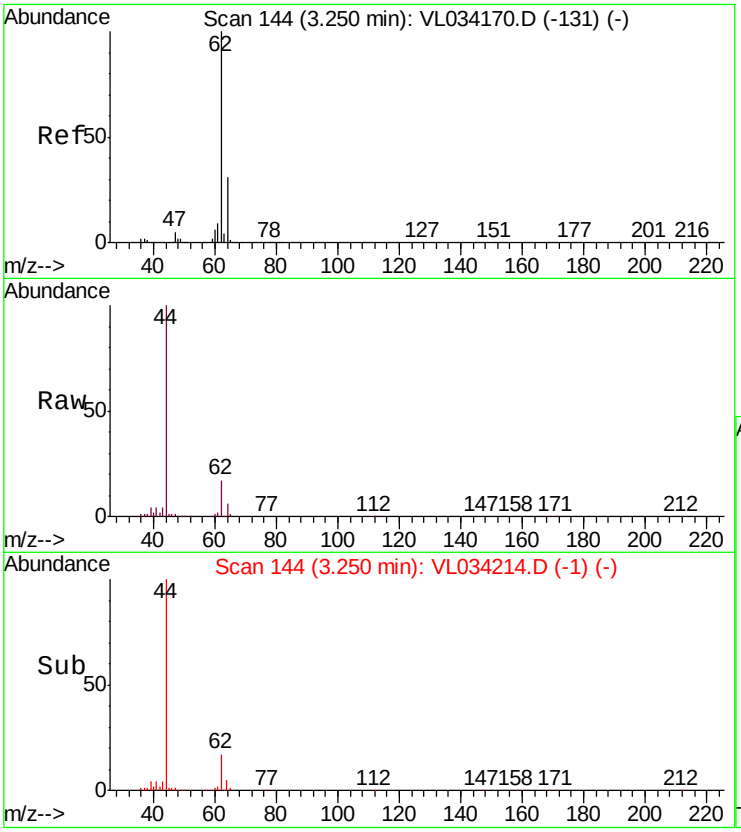




#4
Chloromethane
Concen: 3.086 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 50 Resp: 206143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.6 | 27.1 | 40.7 |



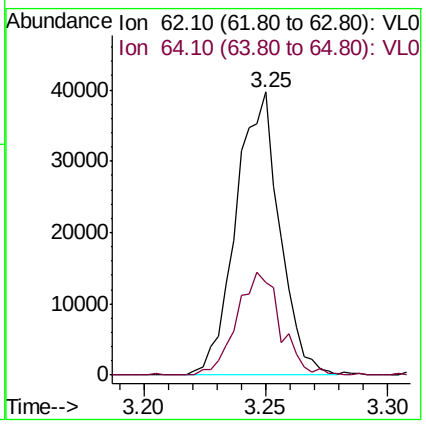


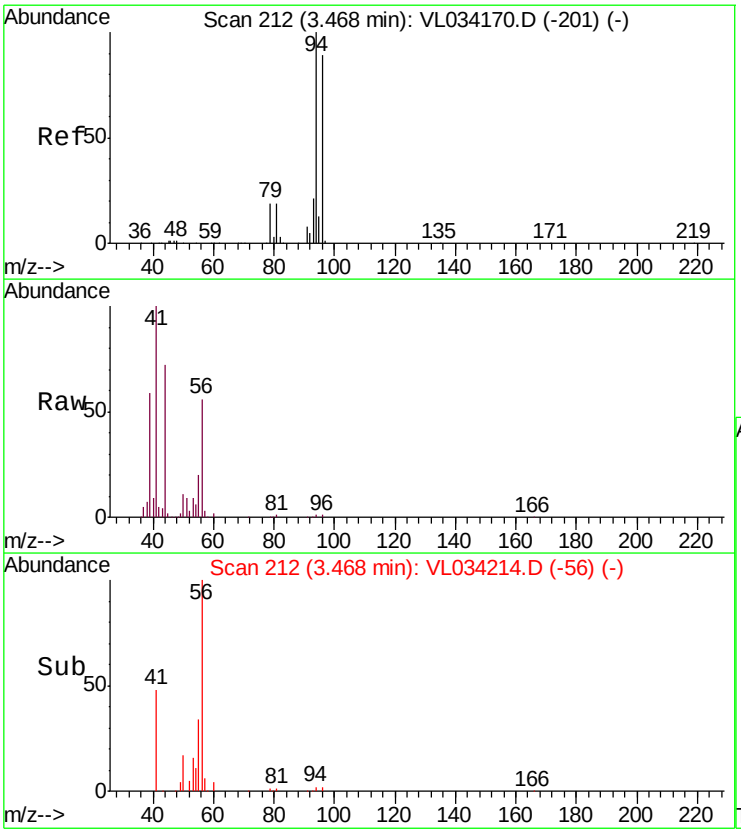

#5
Vinyl Chloride
Concen: 0.805 ppbv
RT: 3.25 min Scan# 144
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 62 Resp: 49163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 25.2 | 37.8 |

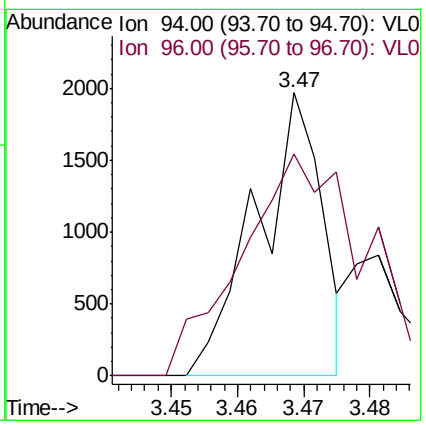


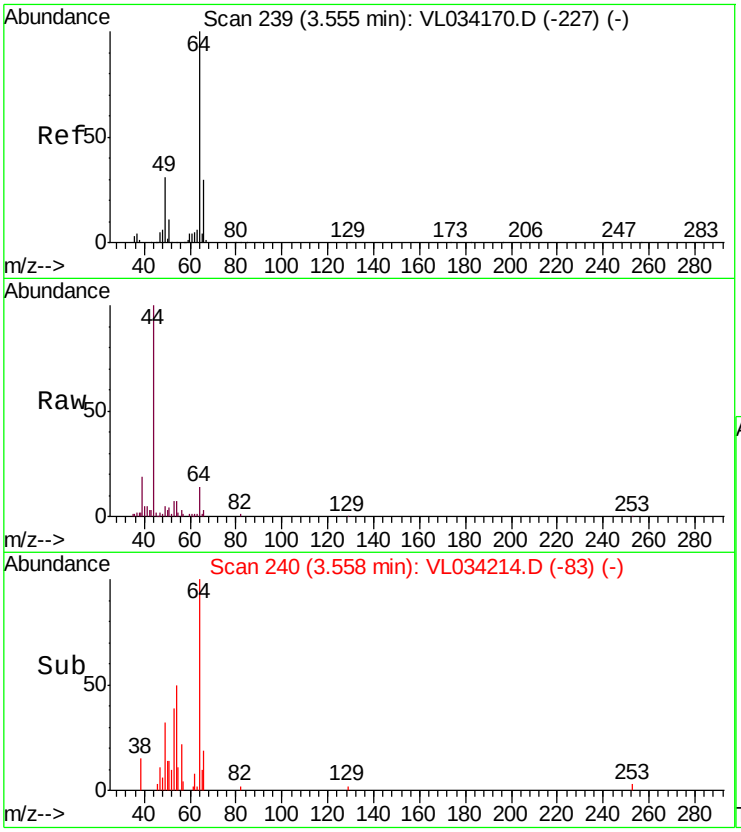




#6
Bromomethane
Concen: 0.048 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 94 Resp: 1359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 58.4 | 71.3 | 106.9# |



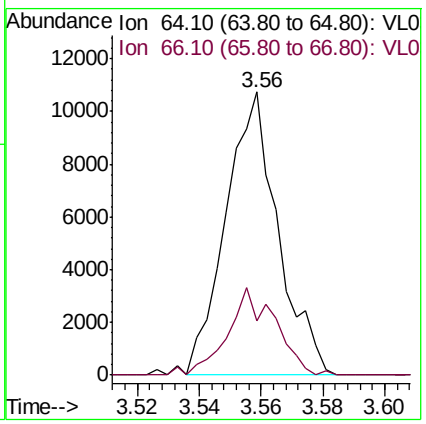


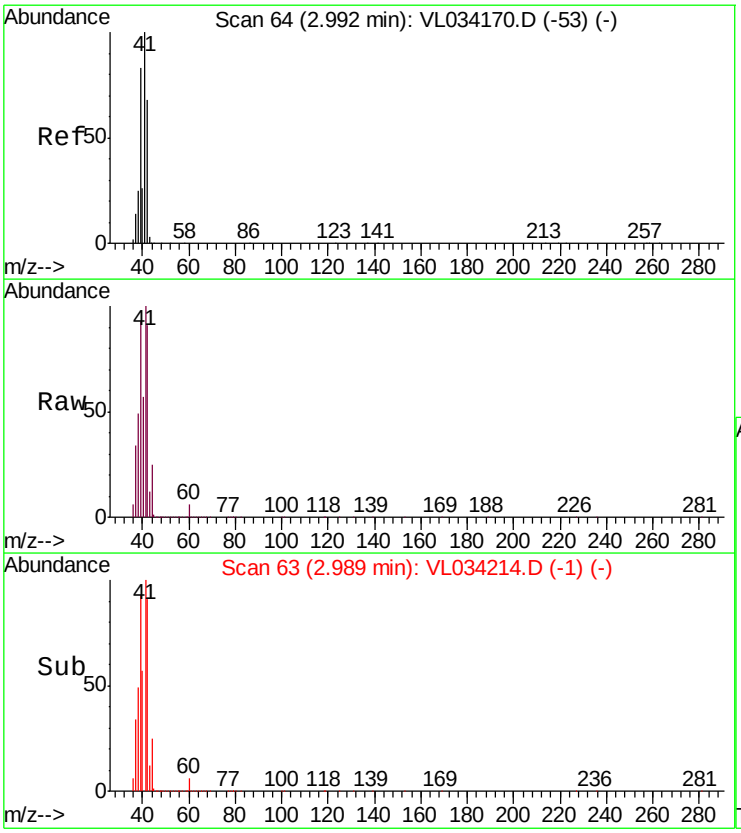

#7
Chloroethane
Concen: 0.592 ppbv
RT: 3.56 min Scan# 240
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 64 Resp: 12641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 19.1 | 24.2 | 36.4# |

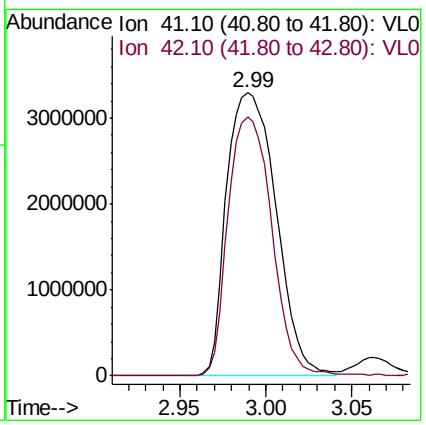


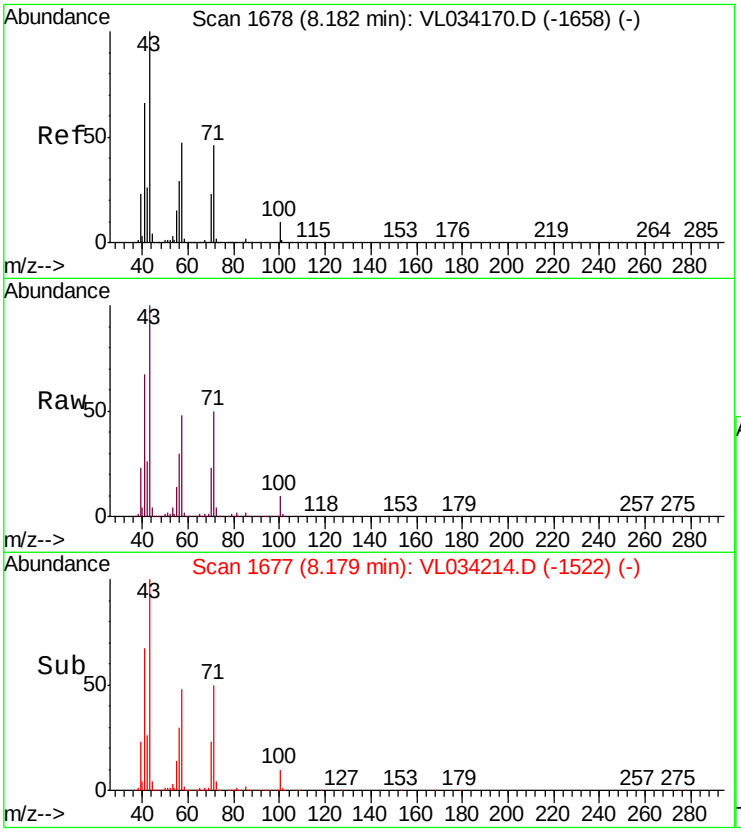




#9
Propene
Concen: 117.644 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 41 Resp: 6597893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 81.4 | 55.8 | 83.6 |



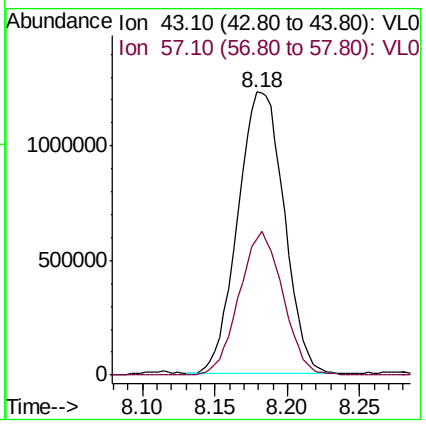


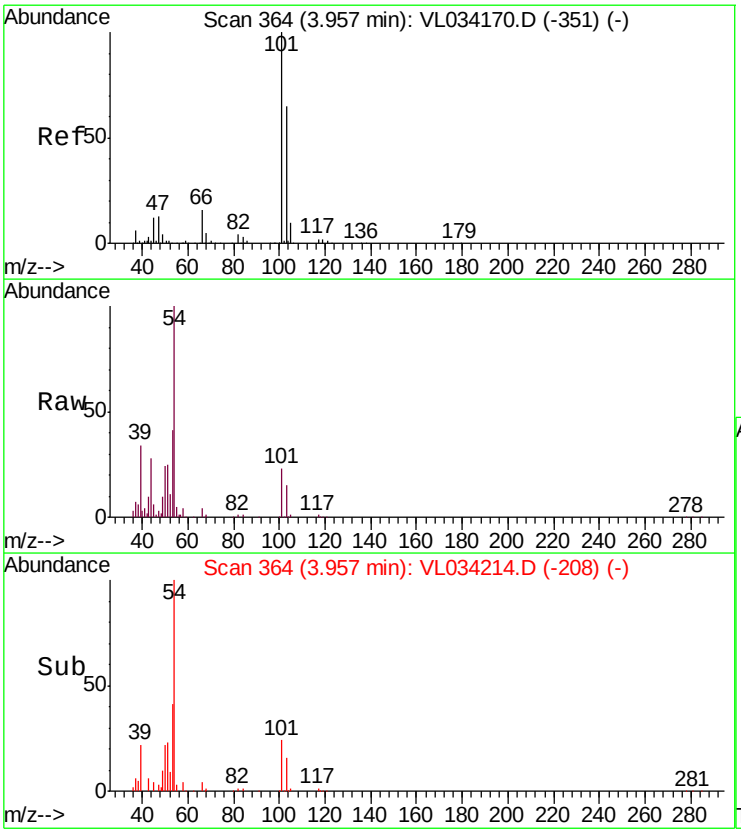

#10
Heptane
Concen: 18.651 ppbv
RT: 8.18 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 43 Resp: 2726094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 48.4 | 37.5 | 56.3 |

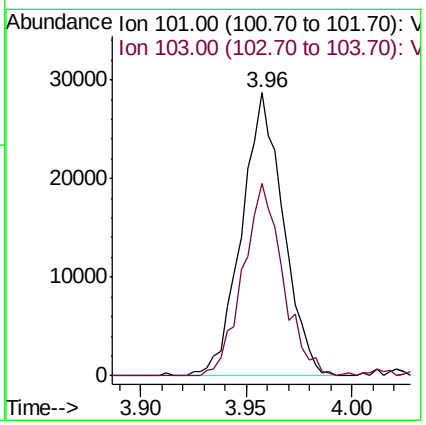


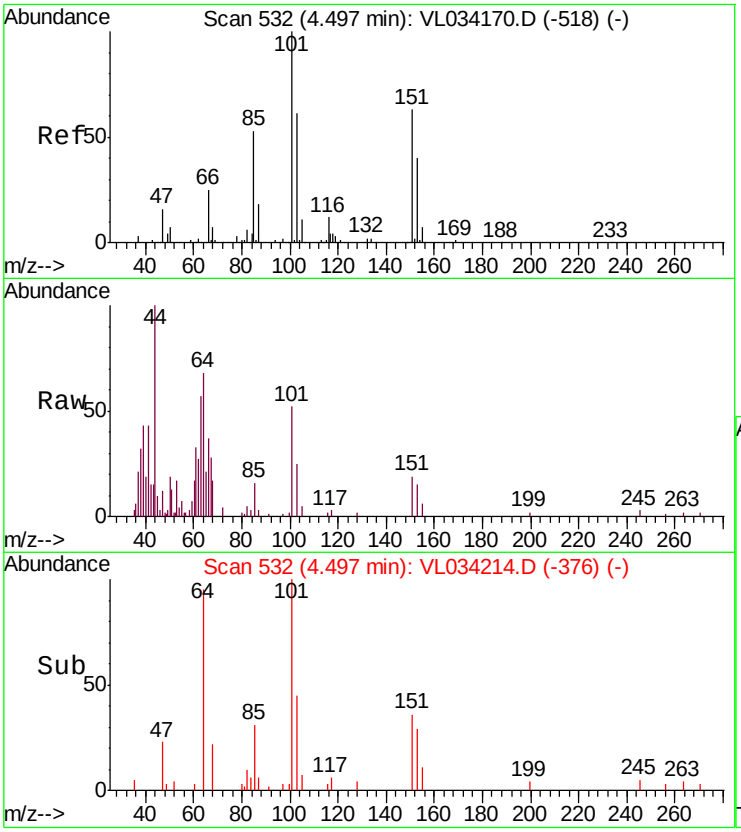




#11
Trichlorofluoromethane
Concen: 0.303 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:101 Resp: 39439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 68.1 | 52.1 | 78.1 |



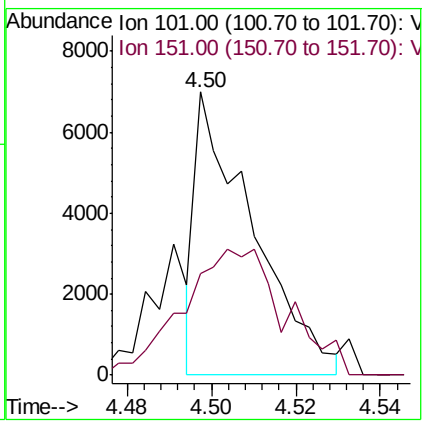


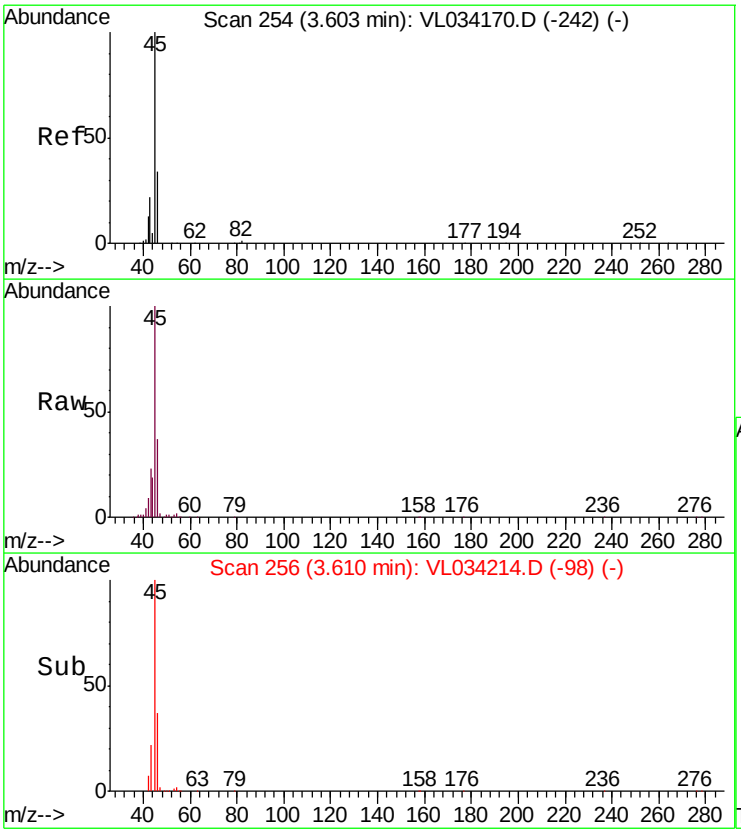

#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.078 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion:101 Resp: 6628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 79.4 | 51.8 | 77.8# |

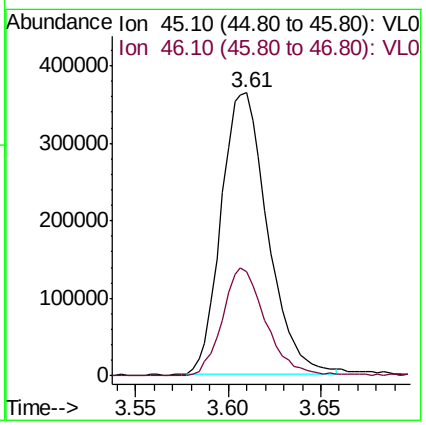


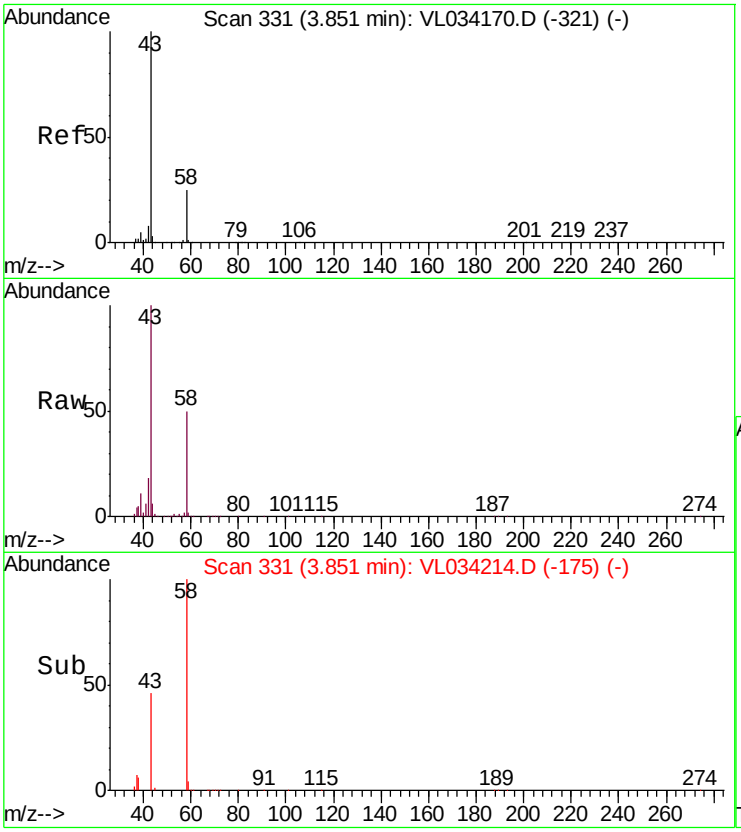




#13
Ethanol
Concen: 46.721 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 45 Resp: 634500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.8 | 15.5 | 61.9 |



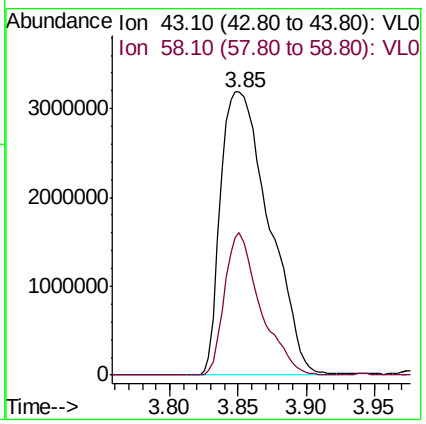


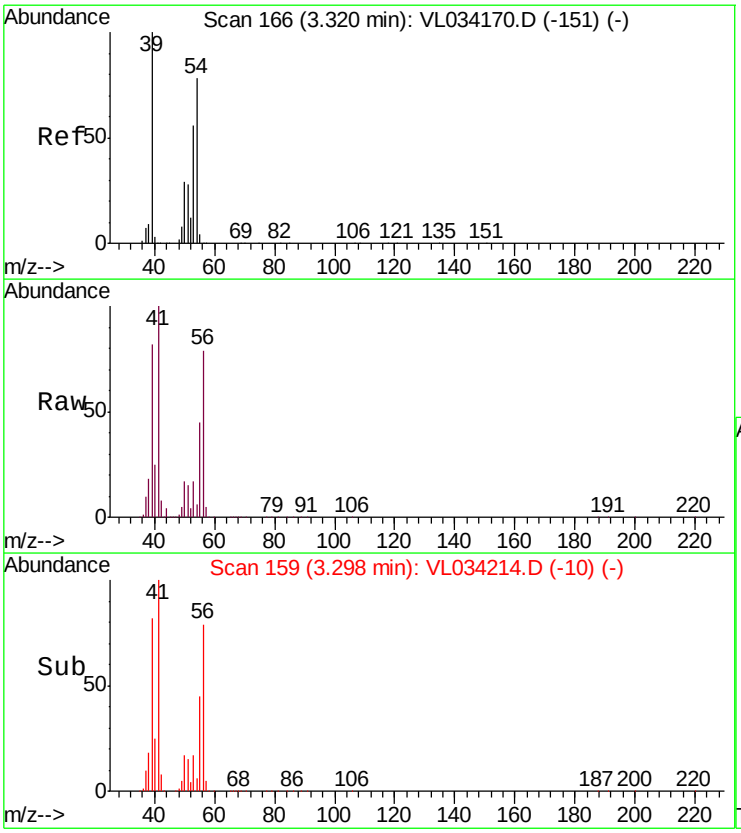

#15
Acetone
Concen:  60.678 ppbv
RT: 3.85 min  Scan# 331
Delta R.T.  0.00 min
Lab File:  VL034214.D
Acq:  2 Oct 2019  17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 43 Resp: 7884387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.3 | 20.5 | 30.7# |

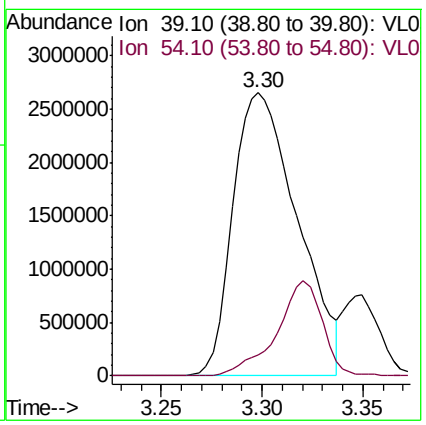


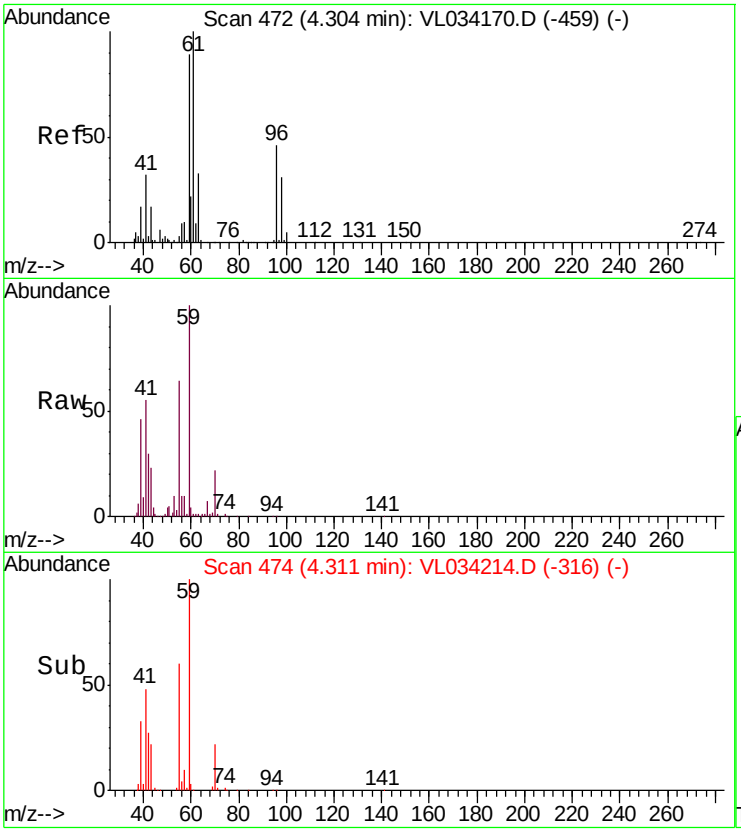




#16
1,3-Butadiene
Concen:  103.934 ppbv
RT: 3.30 min  Scan# 159
Delta R.T.  -0.02 min
Lab File:  VL034214.D
Acq:  2 Oct 2019  17:13

Tgt Ion: 39 Resp: 5893716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 23.8 | 63.4 | 95.0# |



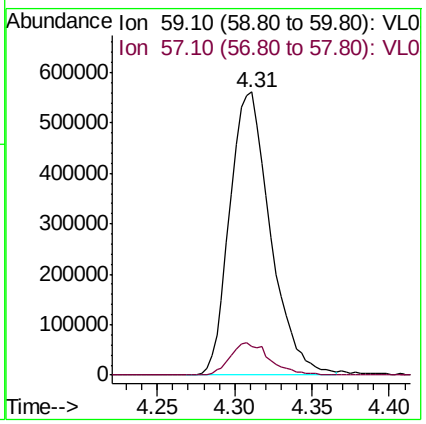


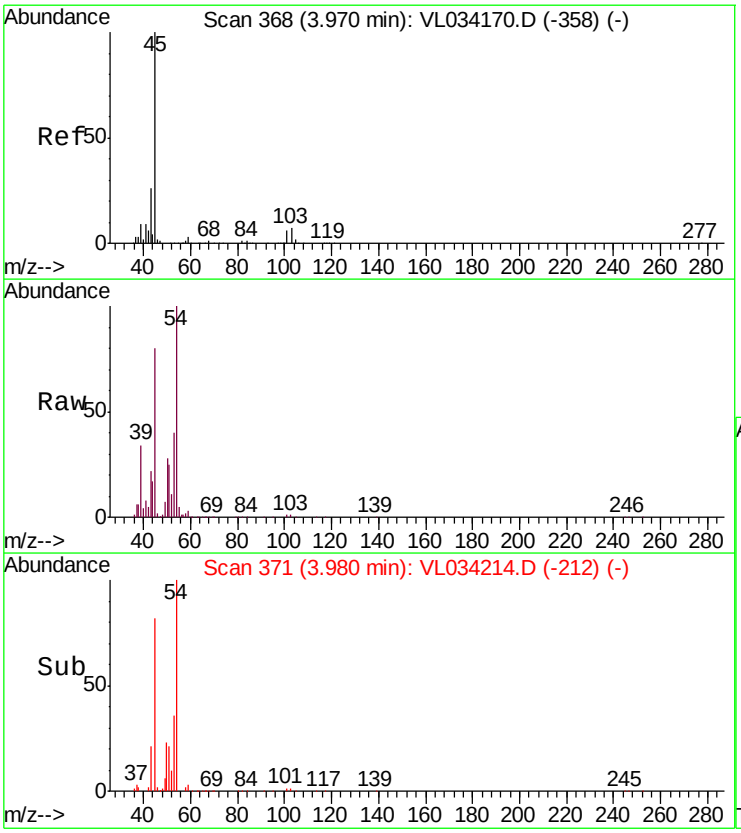

#17
tert-Butyl alcohol
Concen: 12.451 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 59 Resp: 1025062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.5 | 8.7 | 13.1 |

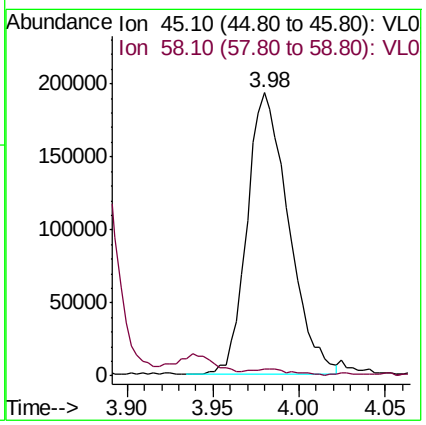


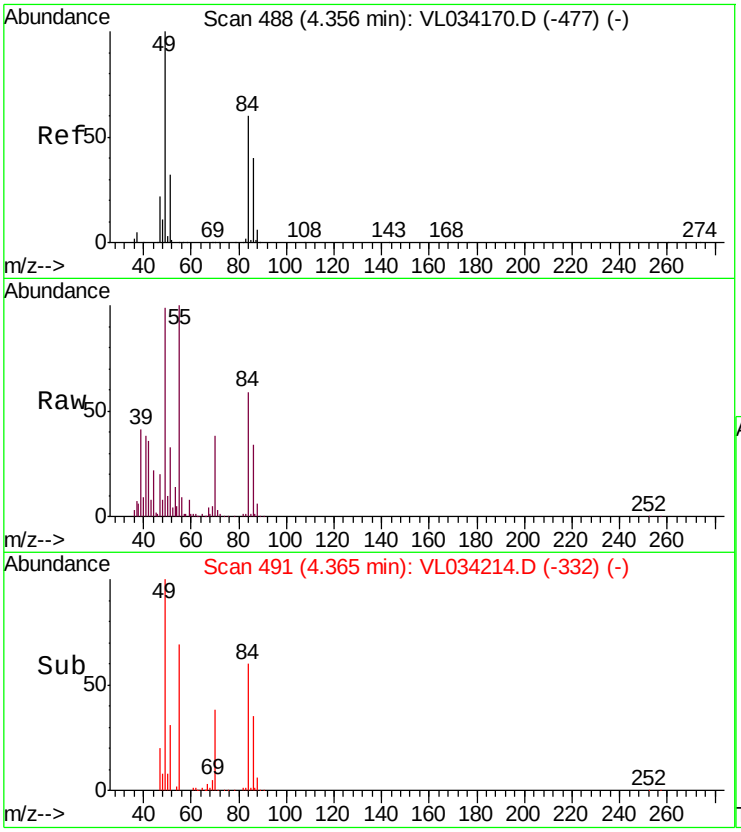




#19
Isopropyl Alcohol
Concen: 4.061 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 45 Resp: 324461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 0.0 | 1.4 | 2.0# |



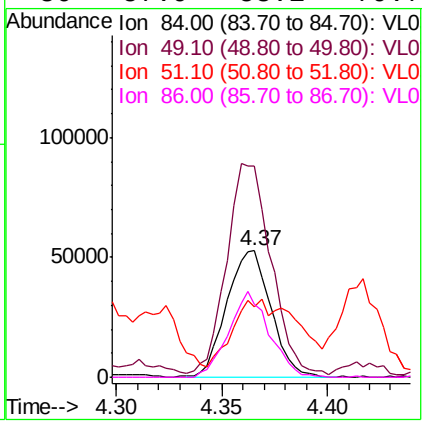


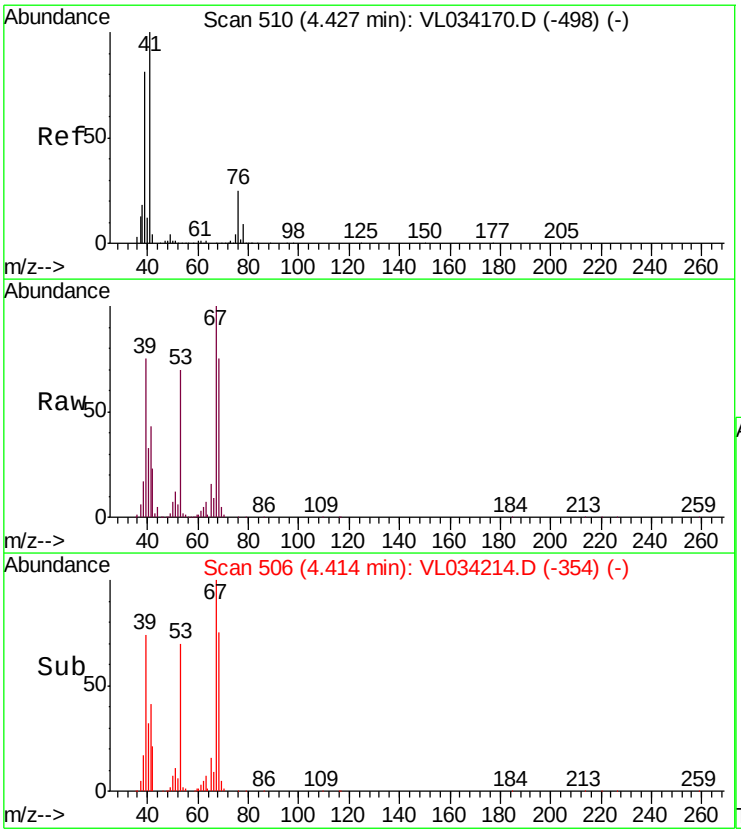

#20
Methylene Chloride
Concen: 2.042 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 84 Resp: 76504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 164.2 | 133.8 | 200.8 |
| 51 | 36.4 | 43.6 | 65.4# |
| 86 | 57.9 | 53.1 | 79.7 |

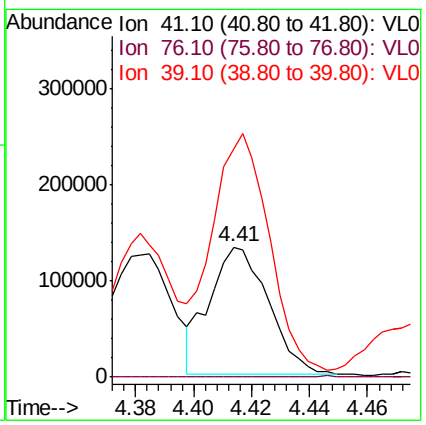


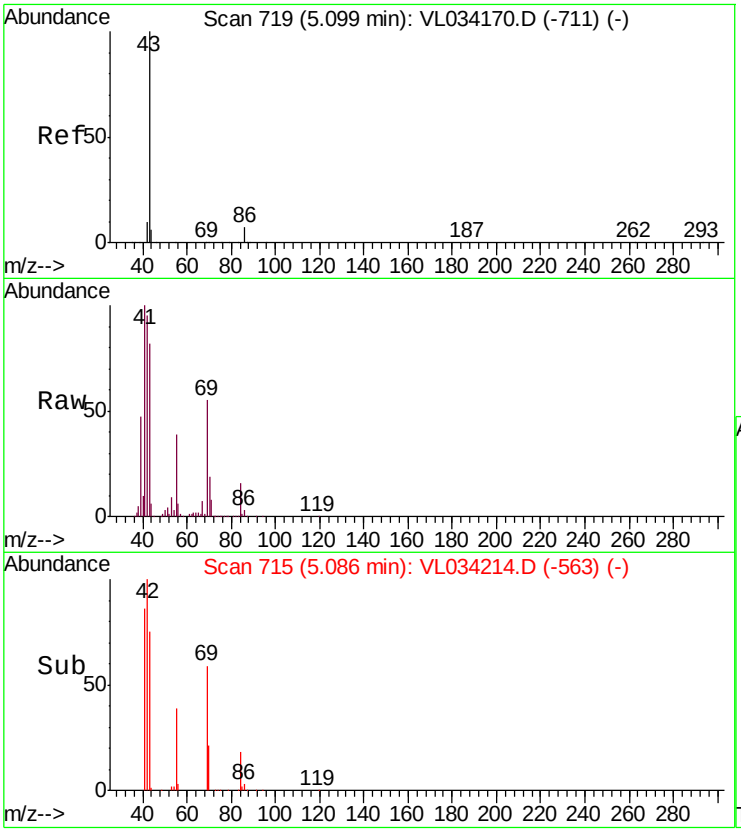




#21
Allyl Chloride
Concen: 2.557 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 41 Resp: 187644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 0.0 | 21.8 | 32.6# |
| 39 | 285.4 | 64.8 | 97.2# |



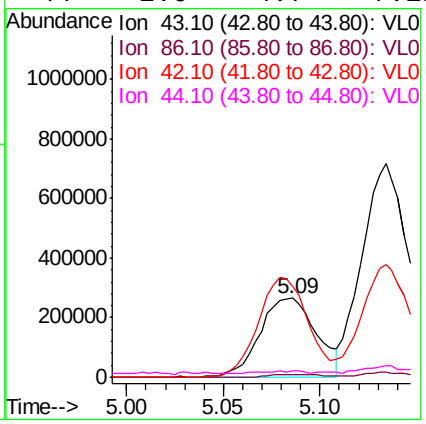


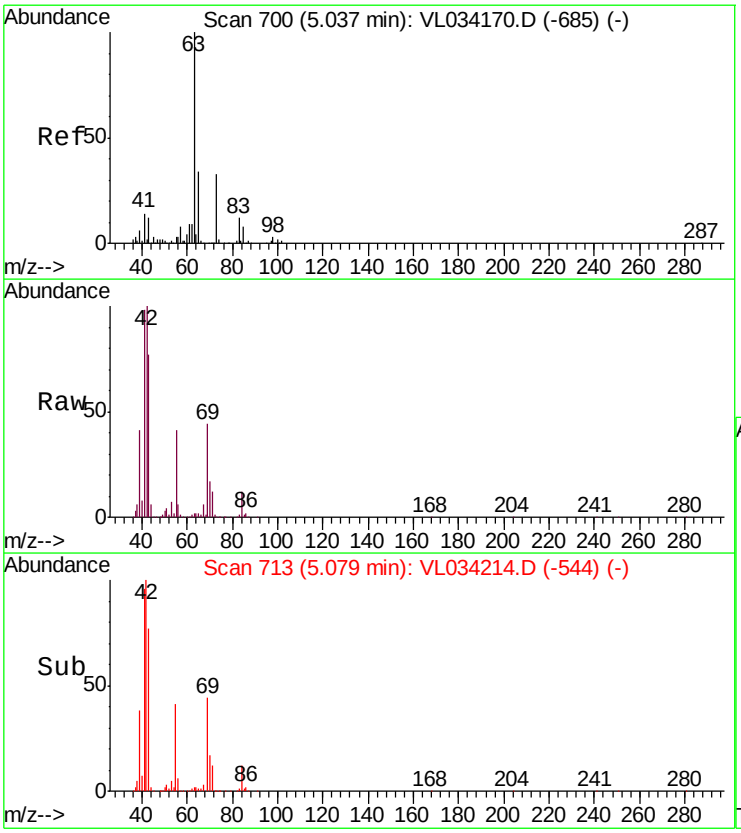

#23
Vinyl Acetate
Concen: 2.776 ppbv
RT: 5.09 min Scan# 715
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 43 Resp: 531544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 3.9 | 5.1 | 7.7# |
| 42 | 115.8 | 8.6 | 12.8# |
| 44 | 2.0 | 4.7 | 7.1# |

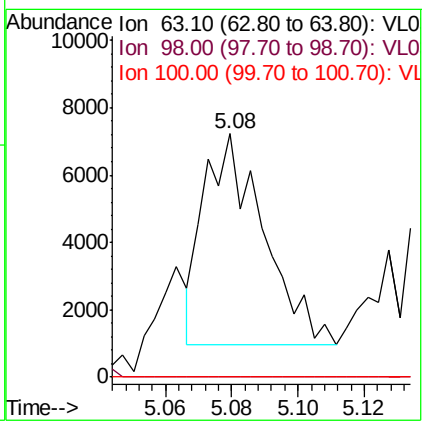


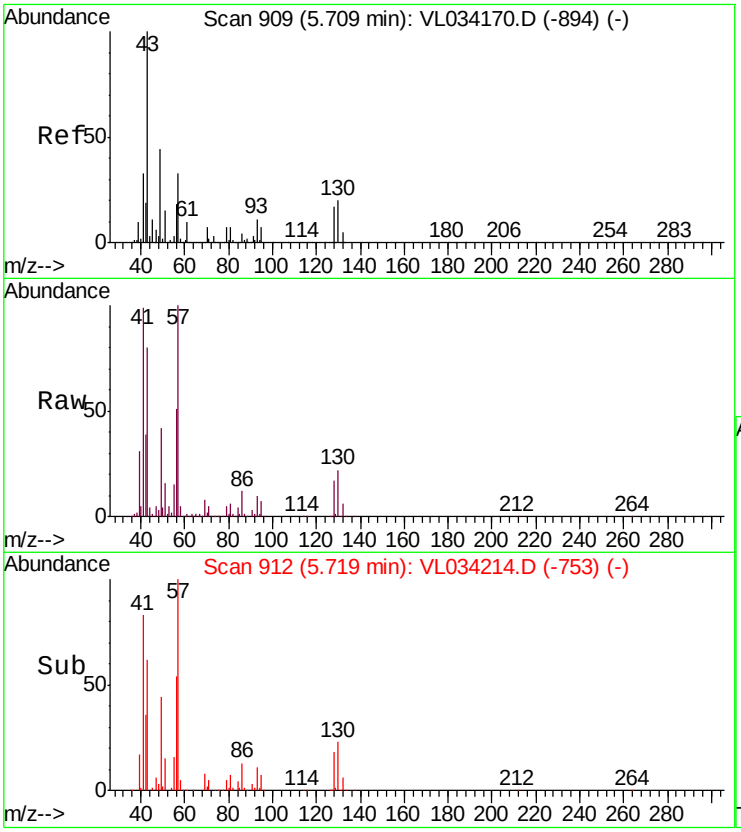




#24
1,1-Dichloroethane
Concen: 0.061 ppbv
RT: 5.08 min Scan# 713
Delta R.T. 0.04 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 63 Resp: 7869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 0.0 | 1.8 | 5.3# |
| 100 | 0.0 | 1.0 | 3.0# |



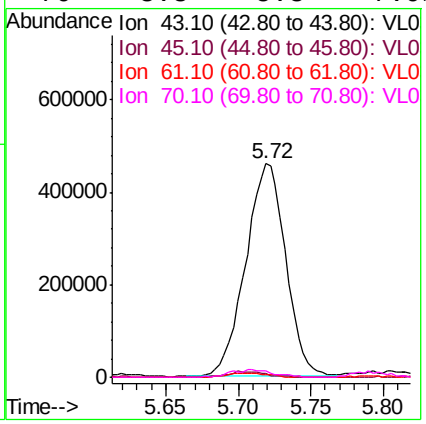


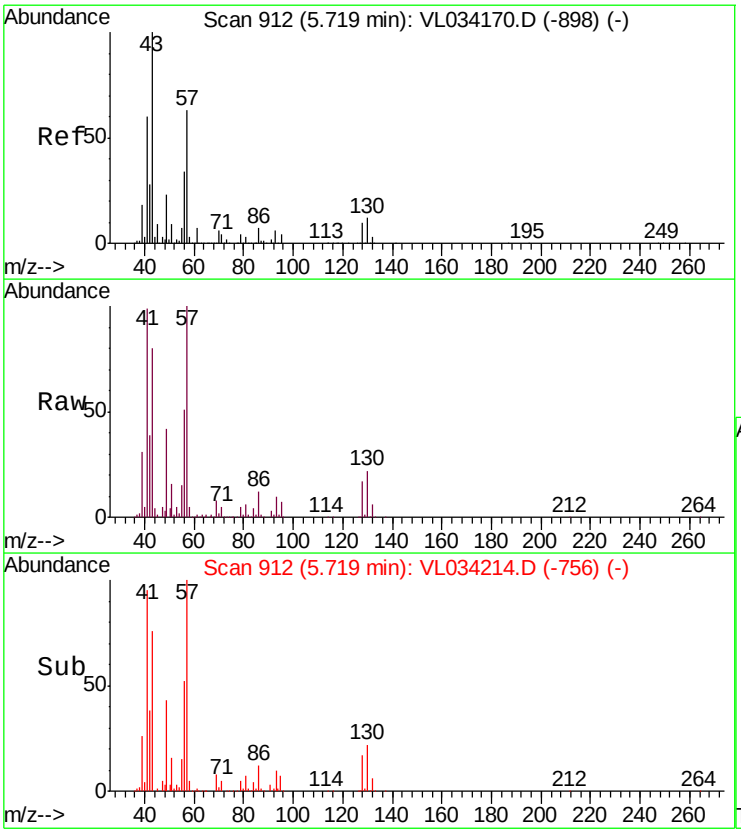

#25
Ethyl Acetate
Concen: 3.611 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 43 Resp: 887208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 2.7 | 8.4 | 12.6# |
| 61 | 2.3 | 7.2 | 10.8# |
| 70 | 3.8 | 5.3 | 7.9# |

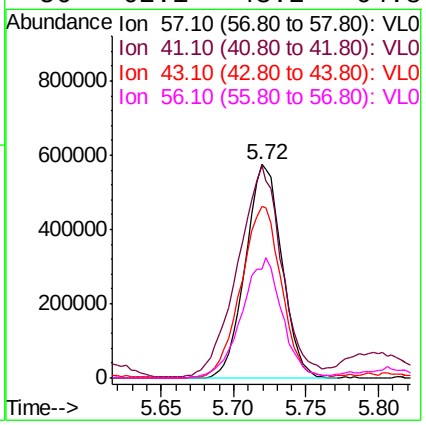


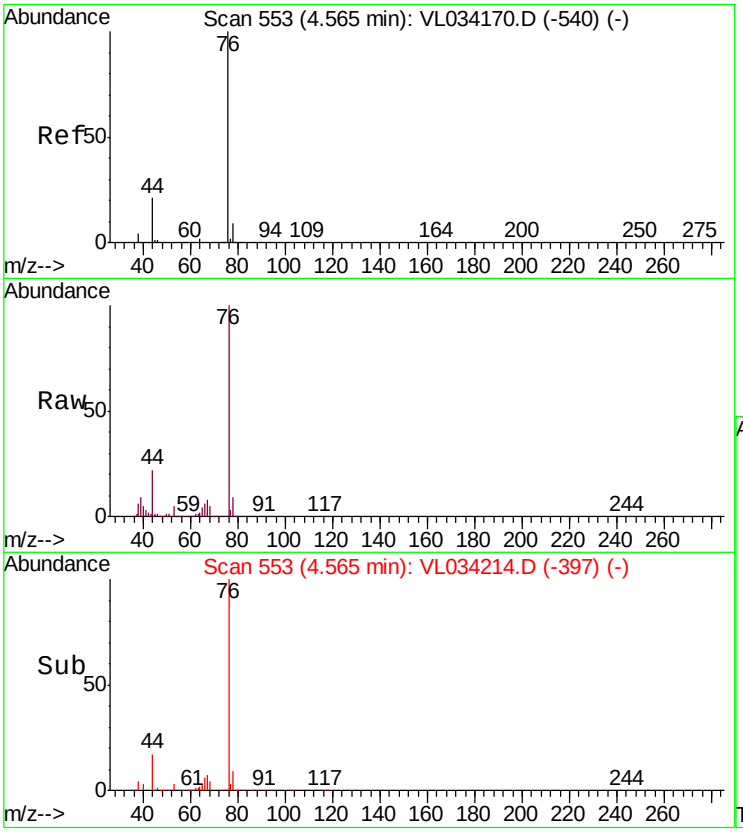




#26
Hexane
Concen: 9.842 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 57 Resp: 1005992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 119.4 | 78.5 | 117.7# |
| 43 | 88.7 | 189.5 | 284.3# |
| 56 | 62.1 | 43.2 | 64.8 |



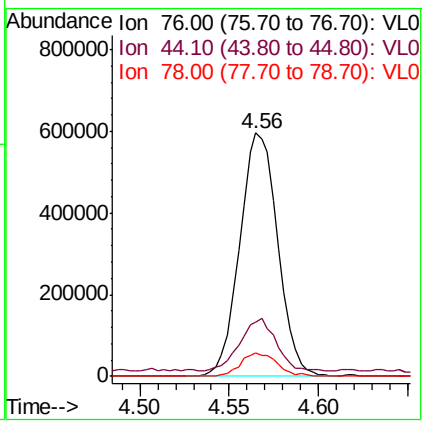


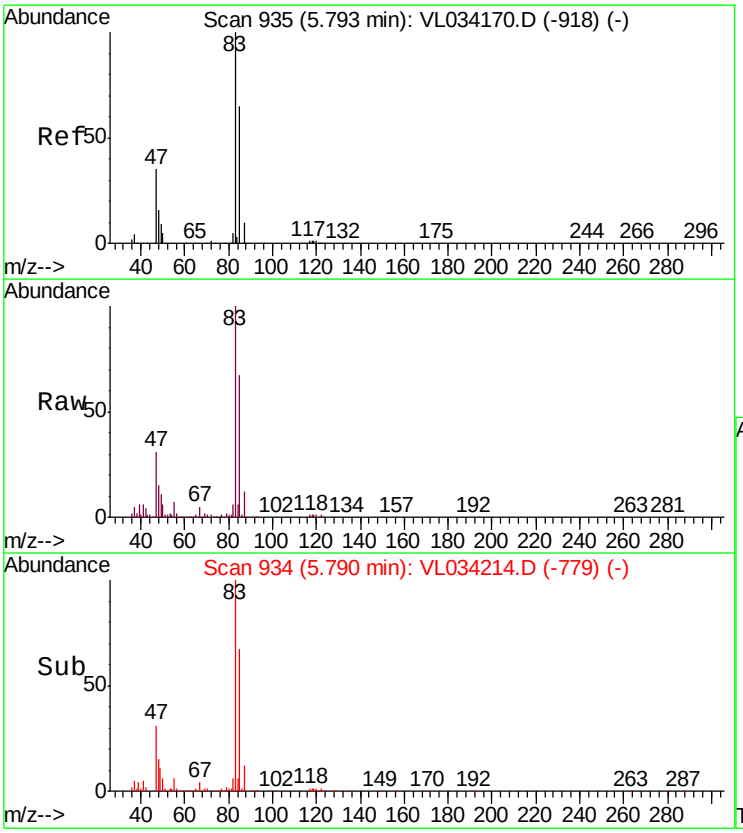

#27
Carbon Disulfide
Concen: 9.388 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 76 Resp: 884975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 21.9 | 17.6 | 26.4 |
| 78 | 9.4 | 7.6 | 11.4 |

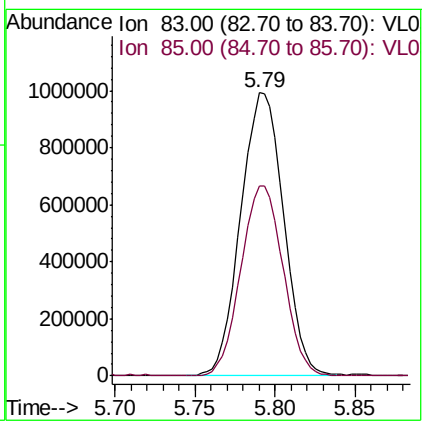


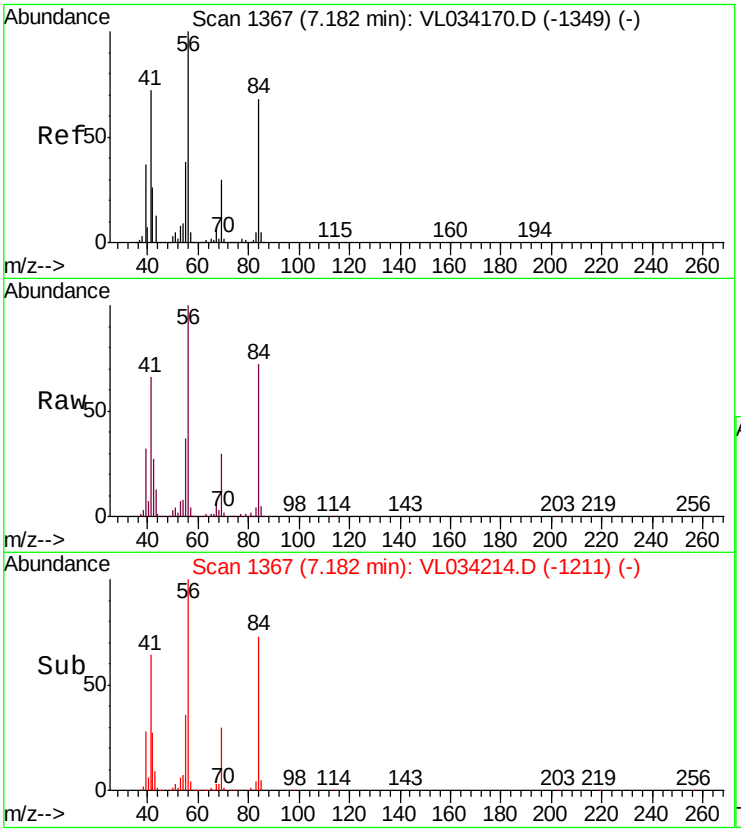




#29
Chloroform
Concen: 12.453 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 83 Resp: 1818877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.9 | 52.3 | 78.5 |



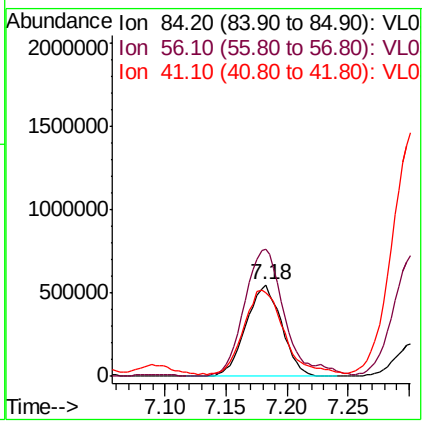


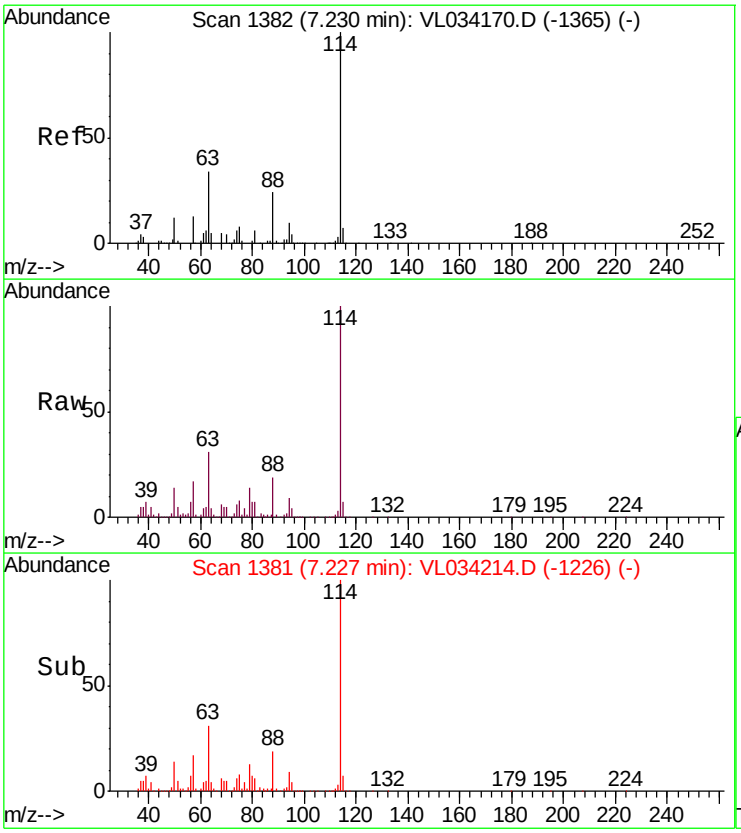

#30
Cyclohexane
Concen: 15.023 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 84 Resp: 1108605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 154.6 | 126.2 | 189.2 |
| 41 | 105.8 | 85.8 | 128.8 |

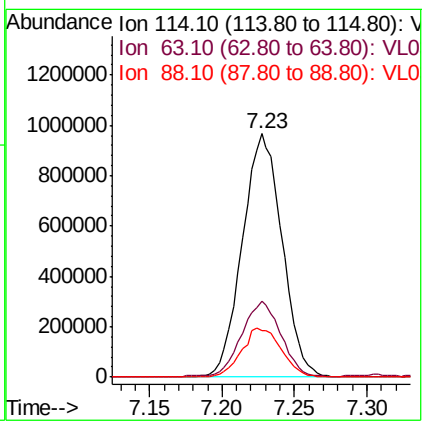


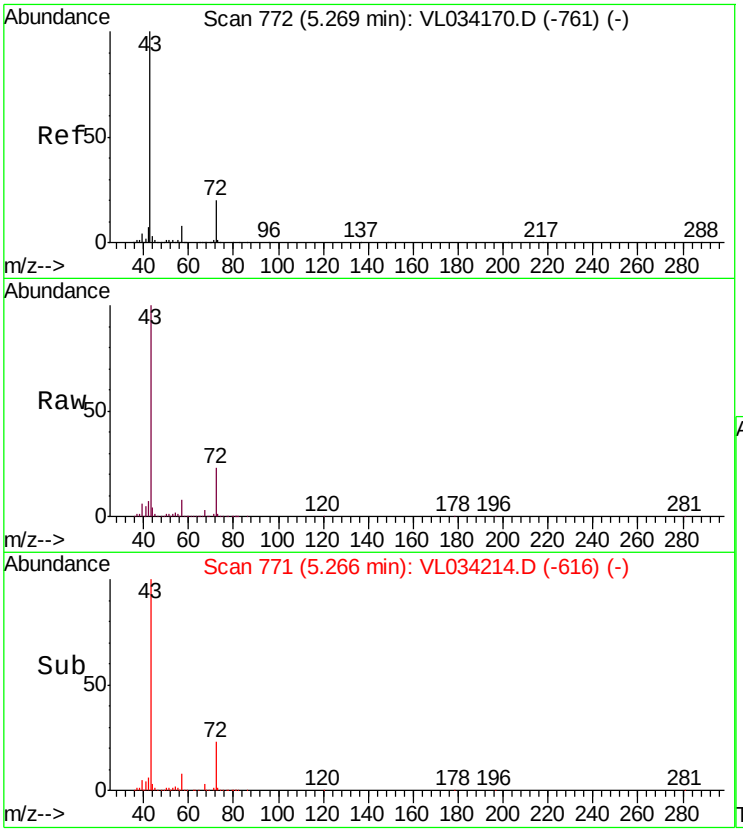




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.23 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:114 Resp: 1839845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 31.4 | 27.8 | 41.6 |
| 88 | 20.3 | 17.1 | 25.7 |



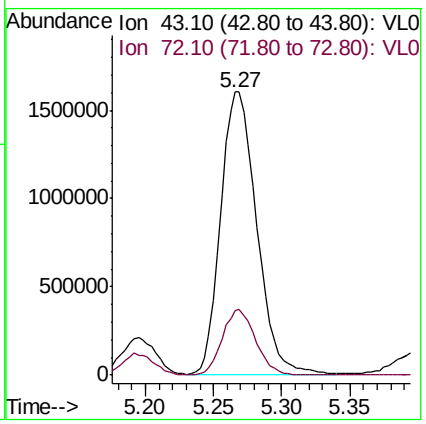


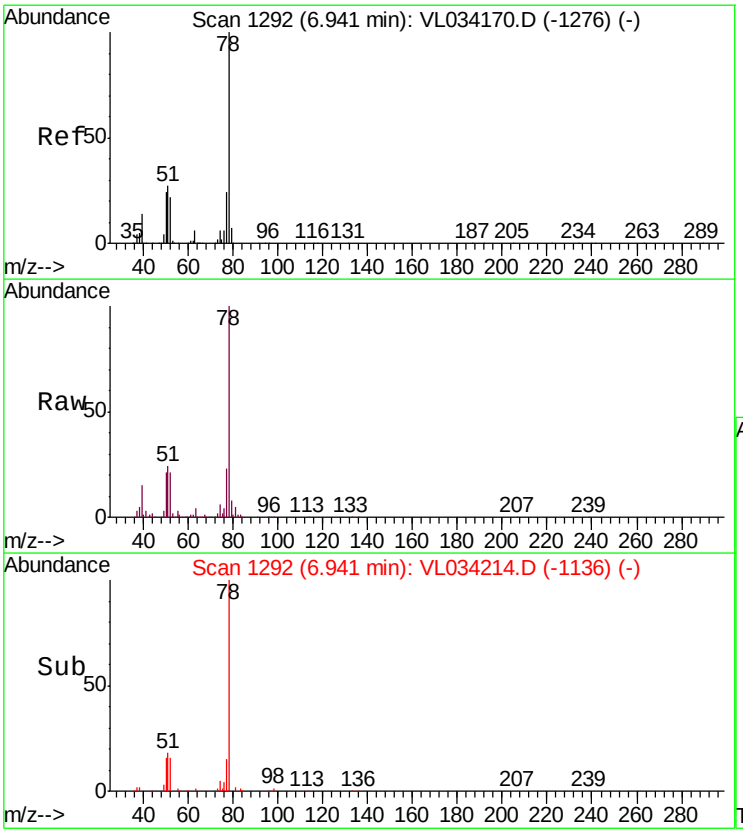

#34
2-Butanone
Concen: 15.669 ppbv
RT: 5.27 min Scan# 771
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 43 Resp: 2943493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.3 | 15.0 | 22.6 |

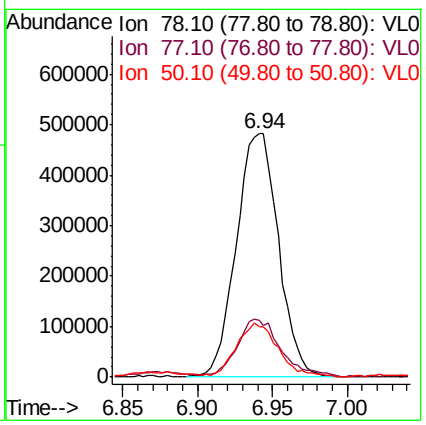


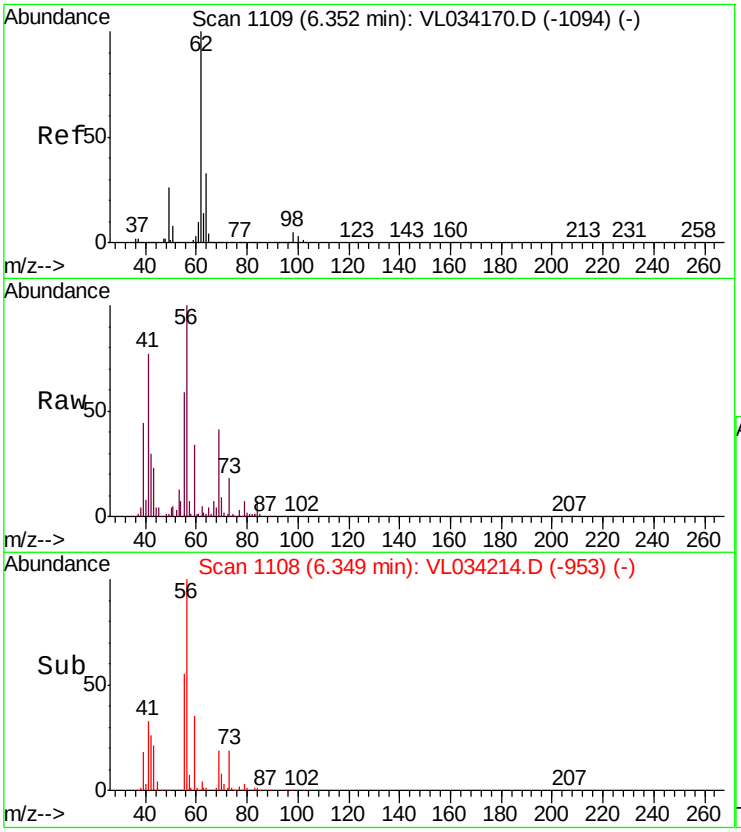




#36
Benzene
Concen: 4.625 ppbv
RT: 6.94 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 78 Resp: 939893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.4 | 19.0 | 28.4 |
| 50 | 20.2 | 18.9 | 28.3 |



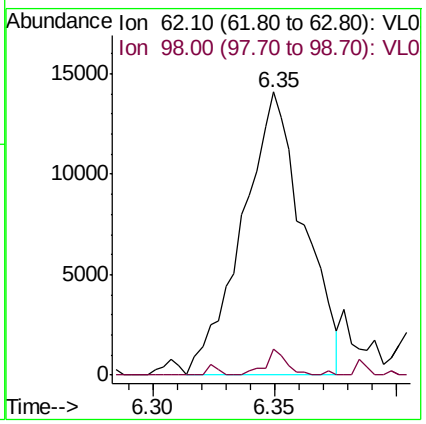


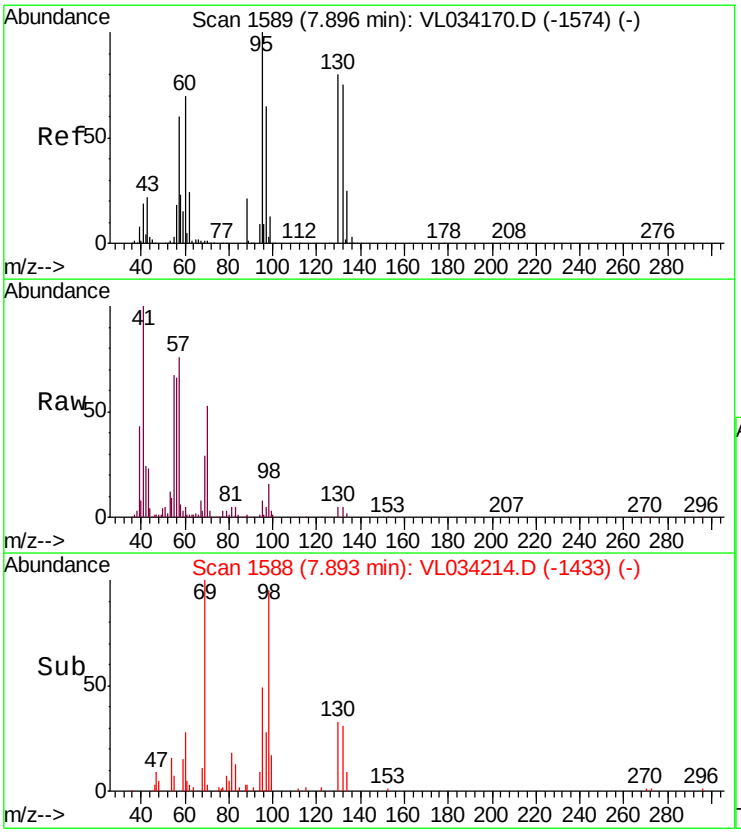

#37
1,2-Dichloroethane
Concen: 0.170 ppbv
RT: 6.35 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 62 Resp: 24577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 3.9 | 3.8 | 5.8 |

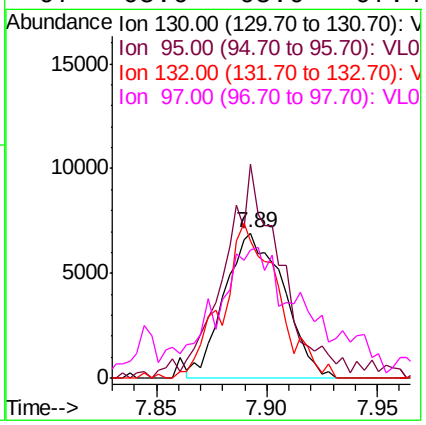


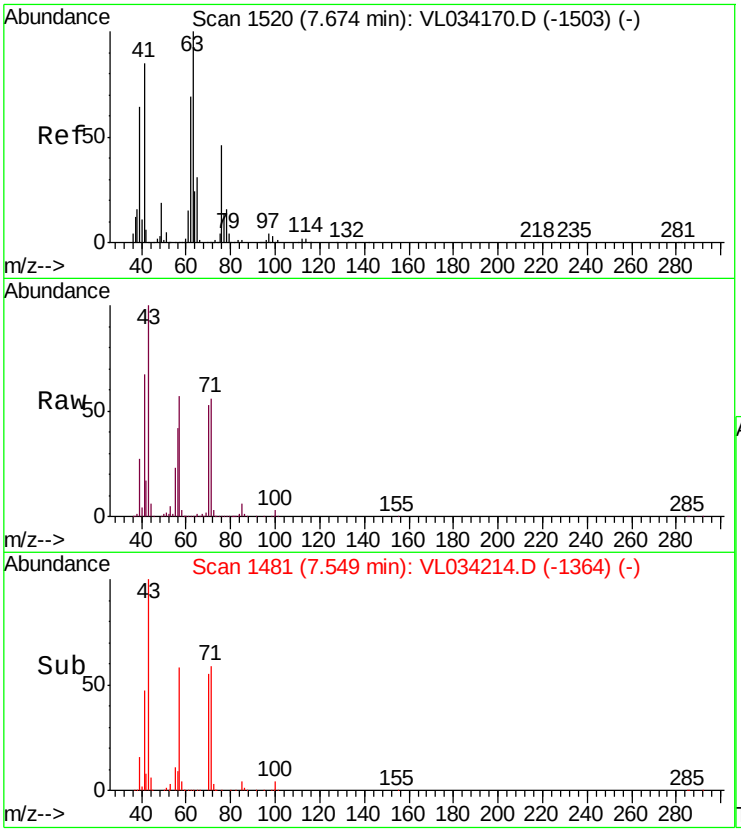




#38
Trichloroethene
Concen: 0.177 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:130 Resp: 12870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 137.9 | 99.8 | 149.6 |
| 132 | 94.8 | 75.2 | 112.8 |
| 97 | 65.6 | 65.0 | 97.4 |



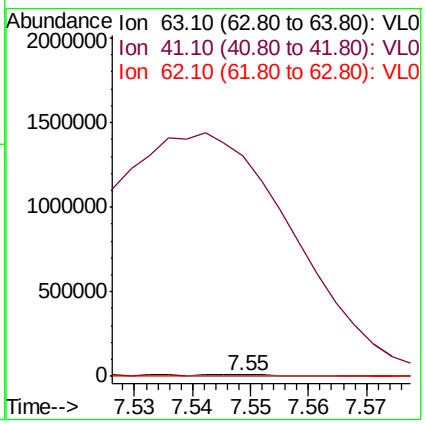


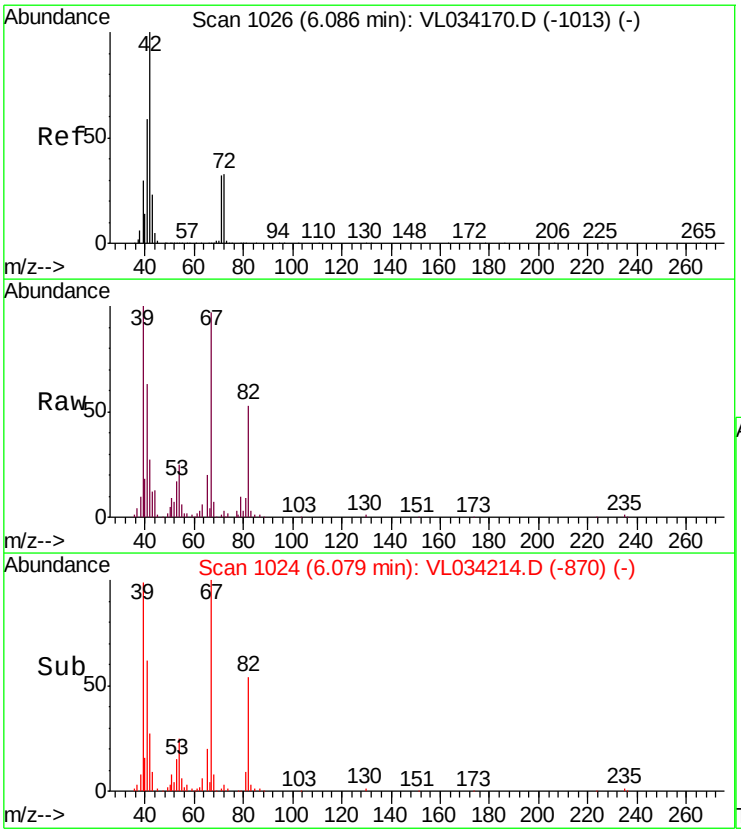

#39
1,2-Dichloropropane
Concen: 0.062 ppbv
RT: 7.55 min Scan# 1481
Delta R.T. -0.13 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 63 Resp: 5695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 12538.2 | 68.4 | 102.6# |
| 62 | 46.5 | 55.4 | 83.2# |

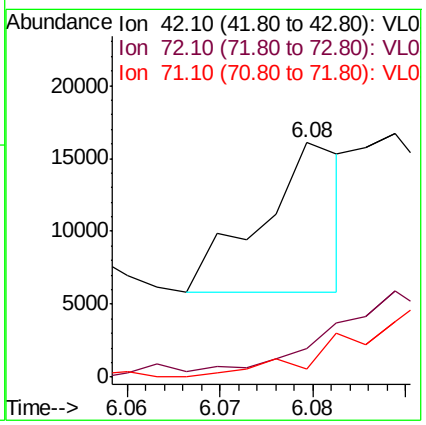


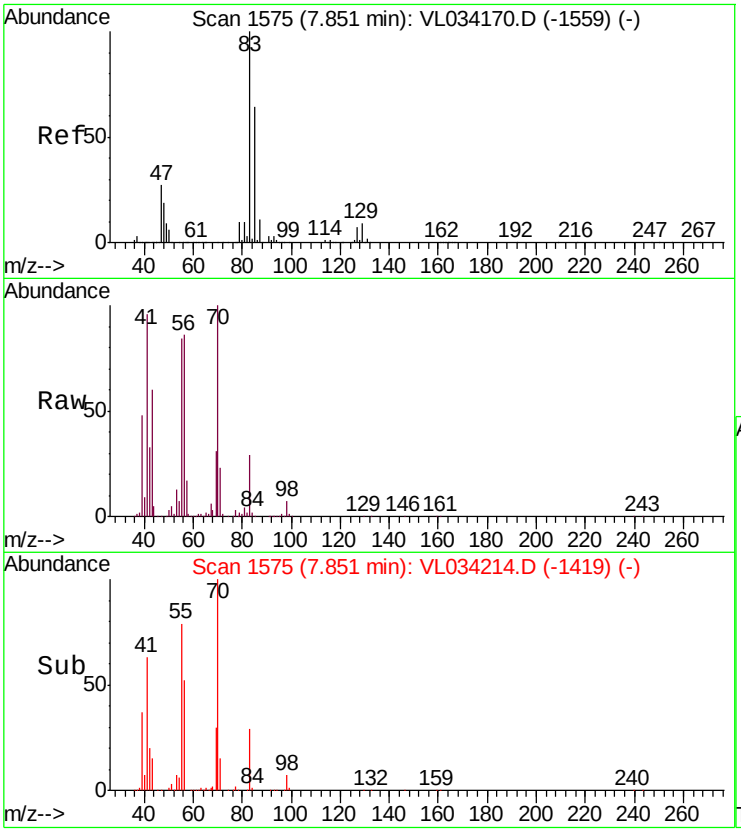




#41
Tetrahydrofuran
Concen: 0.060 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 42 Resp: 6347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 26.6 | 40.0# |
| 71 | 0.0 | 25.1 | 37.7# |



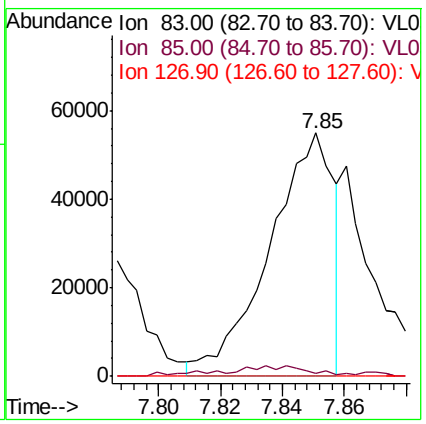


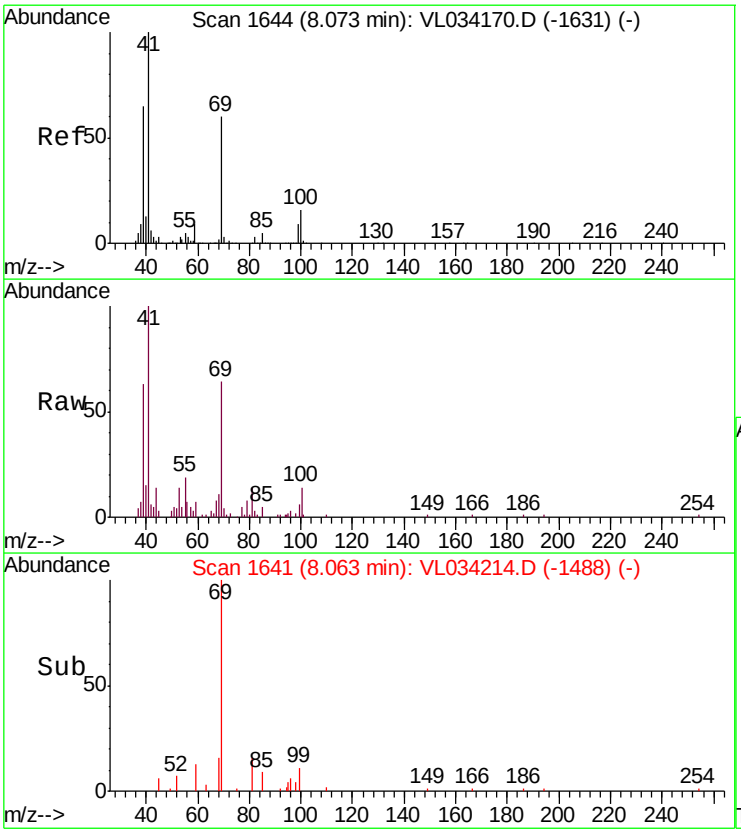

#42
Bromodichloromethane
Concen: 0.458 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 83 Resp: 79412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 0.5 | 51.4 | 77.0# |
| 127 | 0.0 | 5.5 | 8.3# |

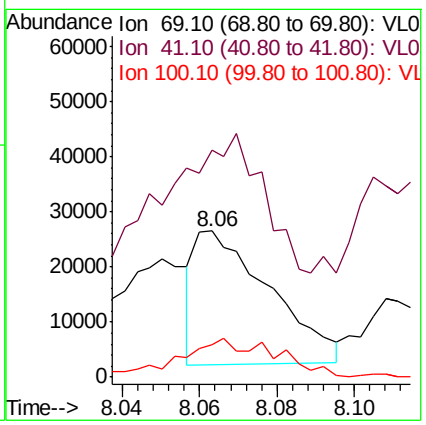


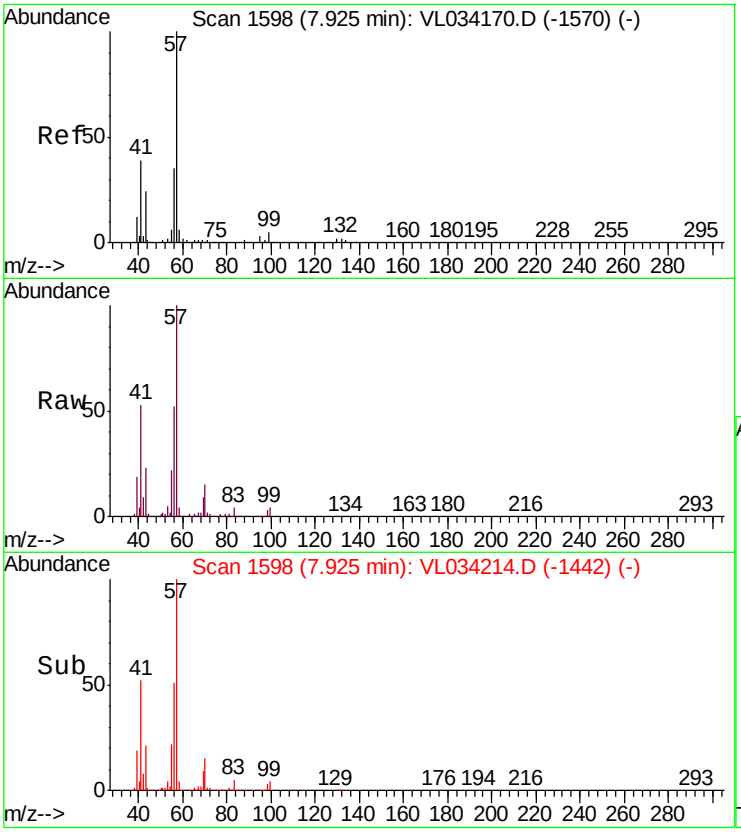




#43
Methyl Methacrylate
Concen: 0.389 ppbv
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 69 Resp: 32662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 0.0 | 140.4 | 210.6# |
| 100 | 38.0 | 21.9 | 32.9# |



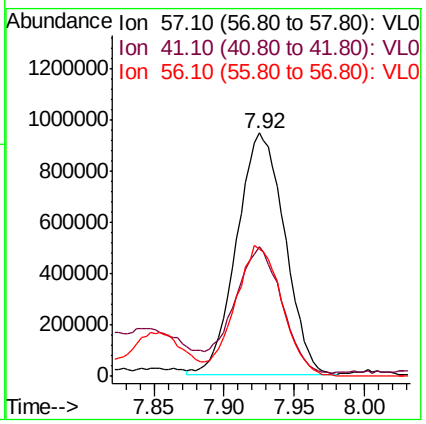


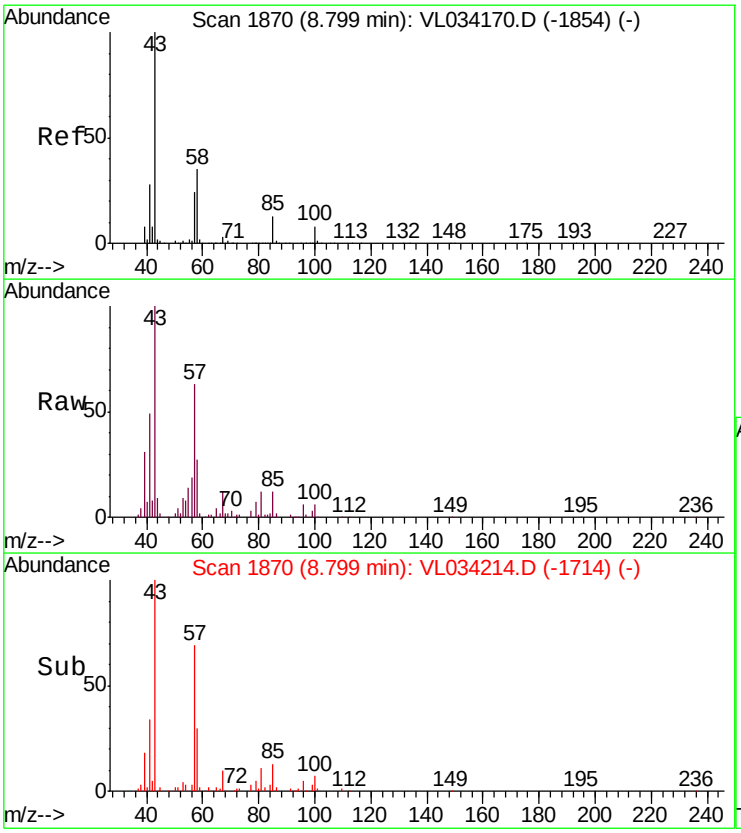

#44
2,2,4-Trimethylpentane
Concen: 5.716 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 57 Resp: 2236110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 53.2 | 29.8 | 44.6# |
| 56 | 53.5 | 25.9 | 38.9# |

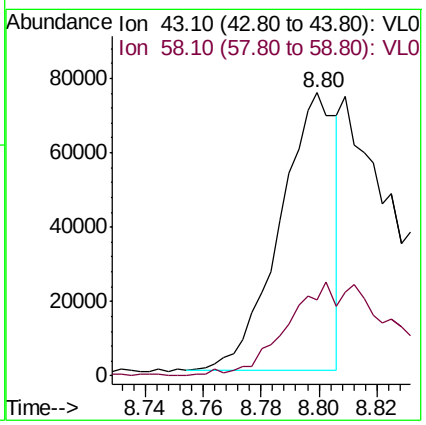


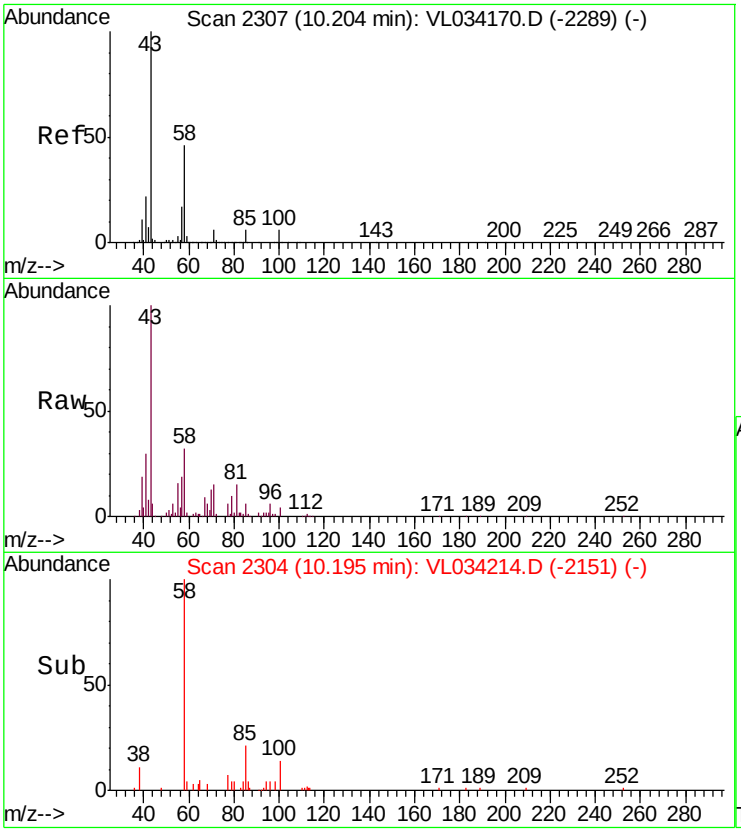




#50
4-Methyl-2-Pentanone
Concen: 0.362 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 43 Resp: 99033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 73.3 | 27.6 | 41.4# |



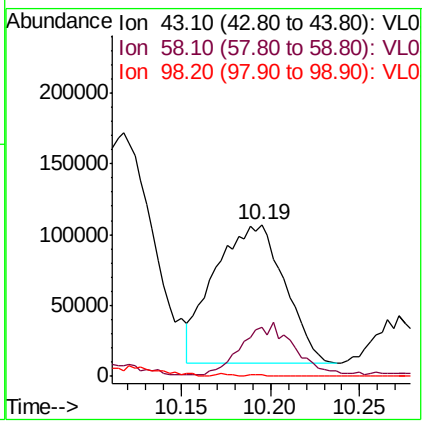


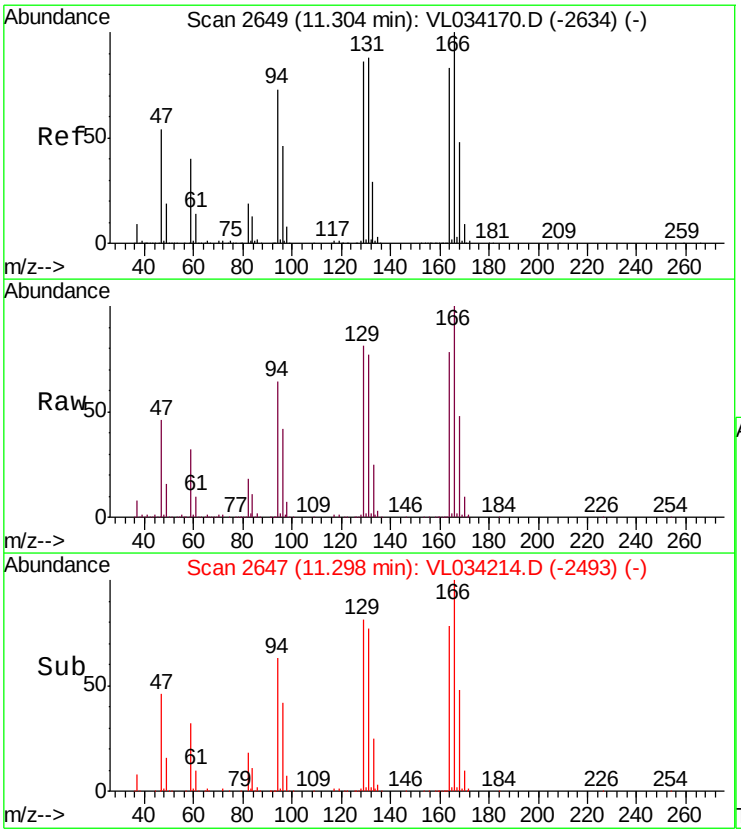

#51
2-Hexanone
Concen: 1.163 ppbv
RT: 10.19 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 43 Resp: 266893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.9 | 36.2 | 54.4# |
| 98 | 0.7 | 0.2 | 0.2# |

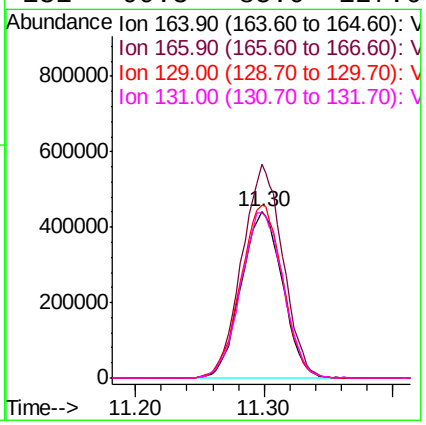


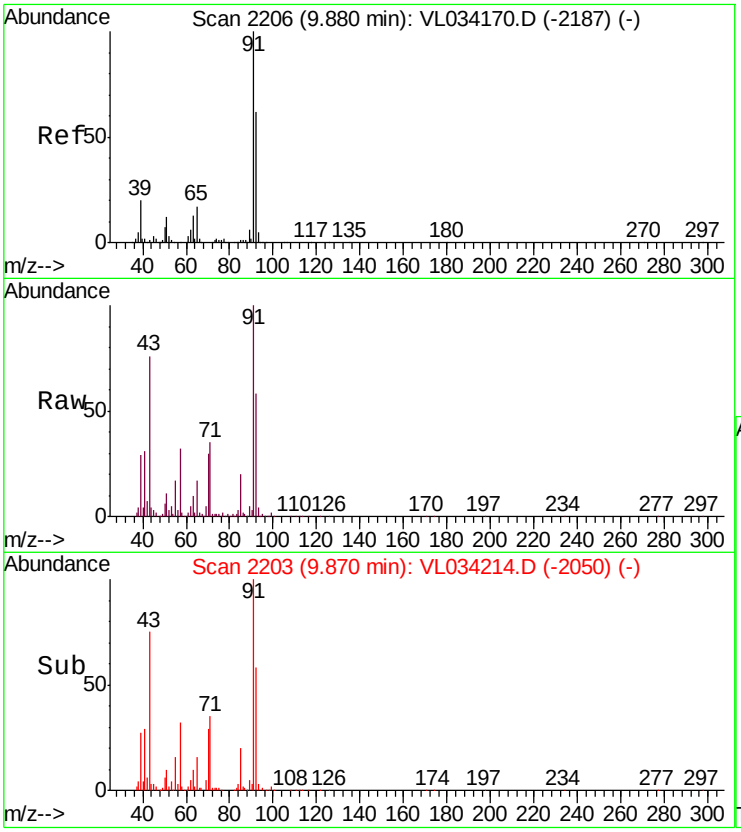




#52
Tetrachloroethene
Concen: 14.639 ppbv
RT: 11.30 min Scan# 2647
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:164 Resp: 982776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.6 | 96.7 | 145.1 |
| 129 | 104.4 | 82.8 | 124.2 |
| 131 | 99.3 | 85.0 | 127.6 |



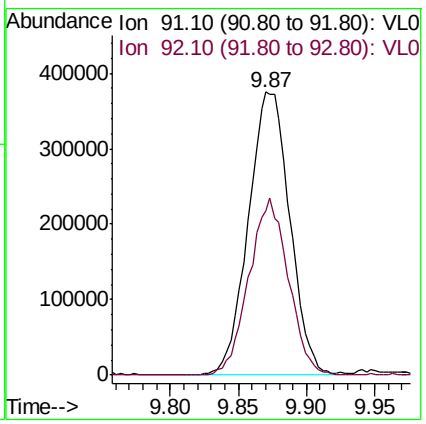


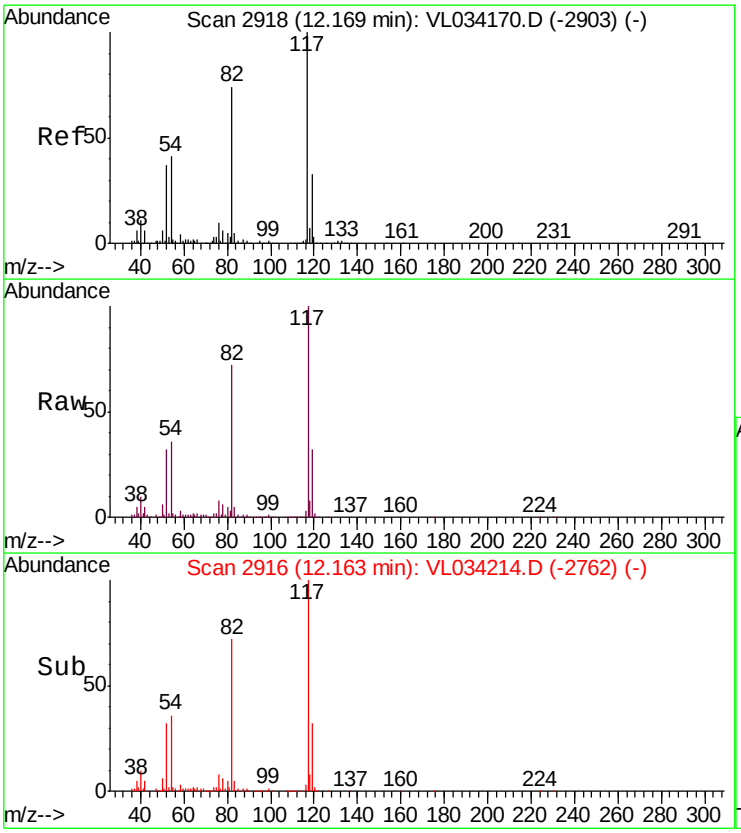

#53
Toluene
Concen: 3.560 ppbv
RT: 9.87 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 91 Resp: 790570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.7 | 49.0 | 73.6 |

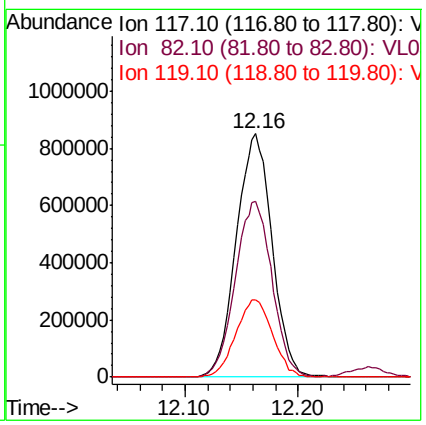


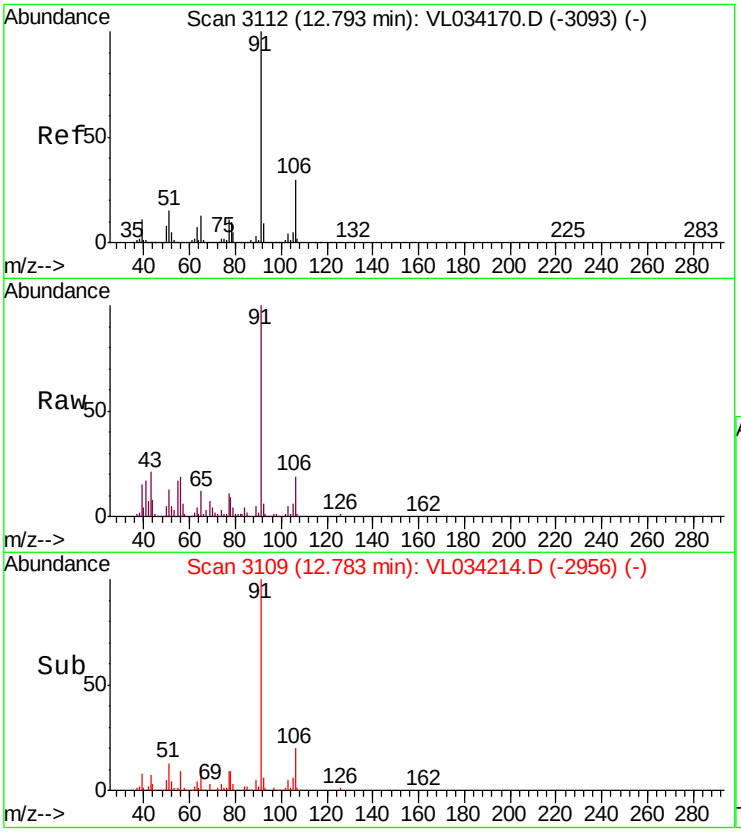




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:117 Resp: 1872272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 74.1 | 58.2 | 87.4 |
| 119 | 32.6 | 23.7 | 35.5 |



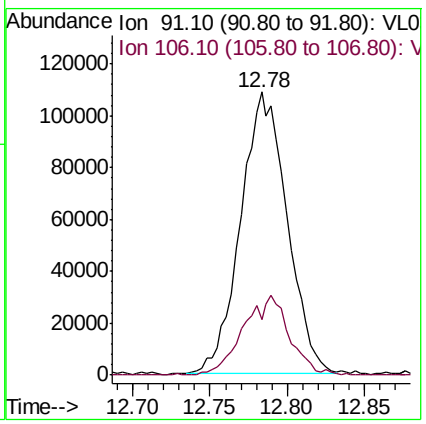


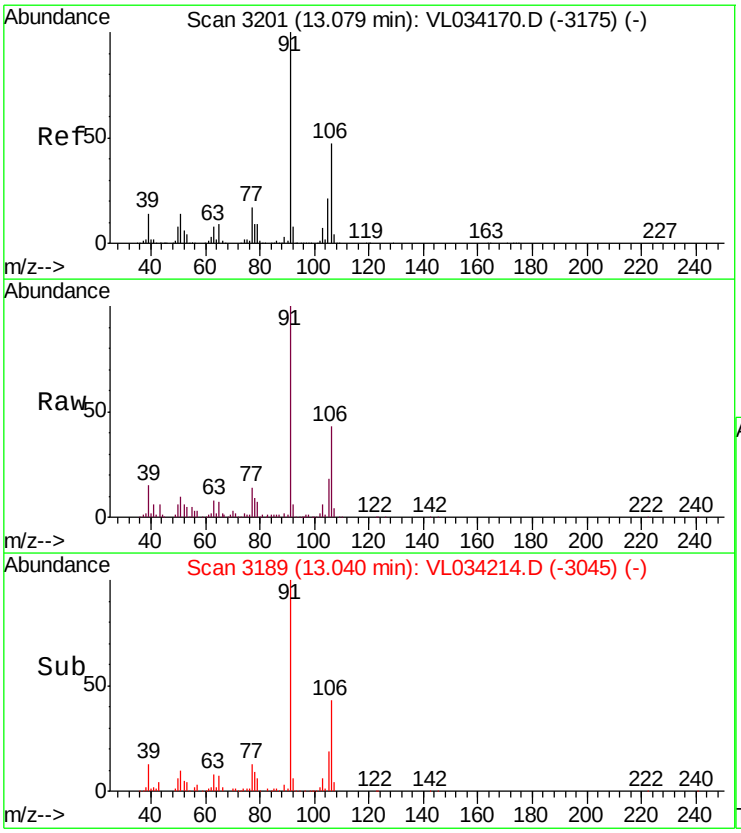

#58
Ethyl Benzene
Concen: 0.754 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 91 Resp: 227777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 19.5 | 24.2 | 36.4# |

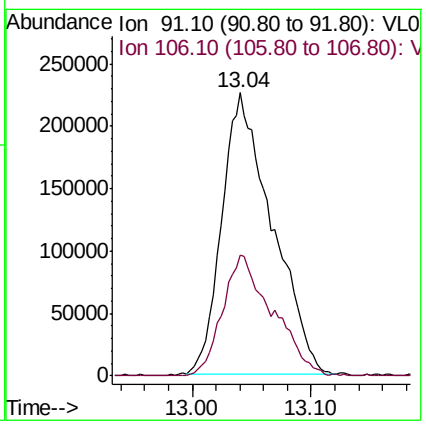


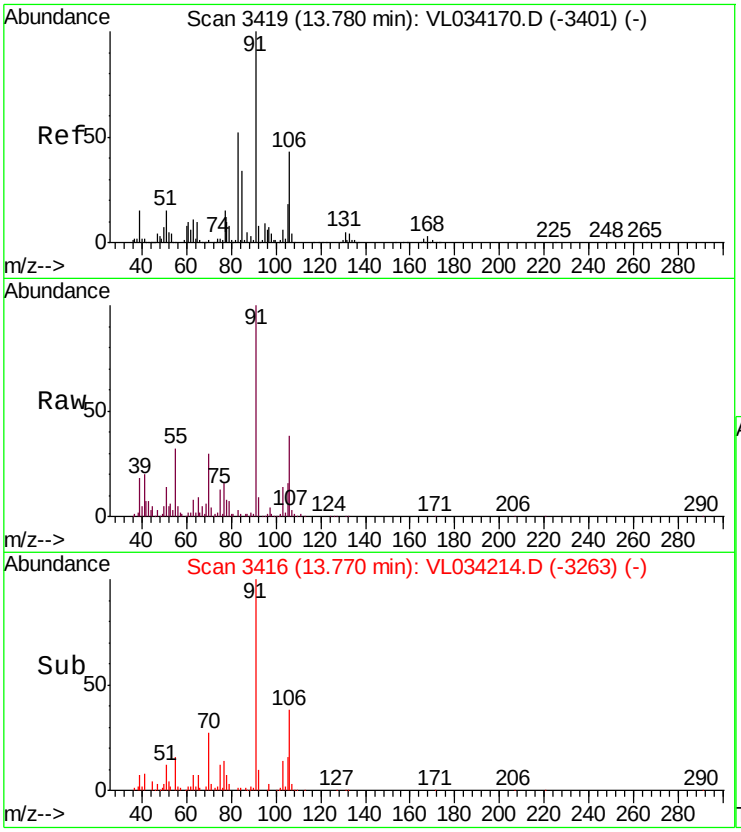




#59
m/p-Xylene
Concen: 2.641 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 91 Resp: 660798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 42.5 | 35.5 | 53.3 |



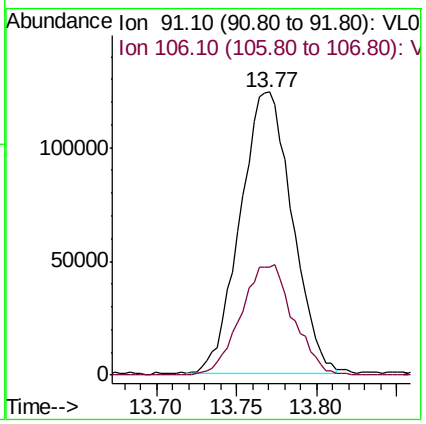


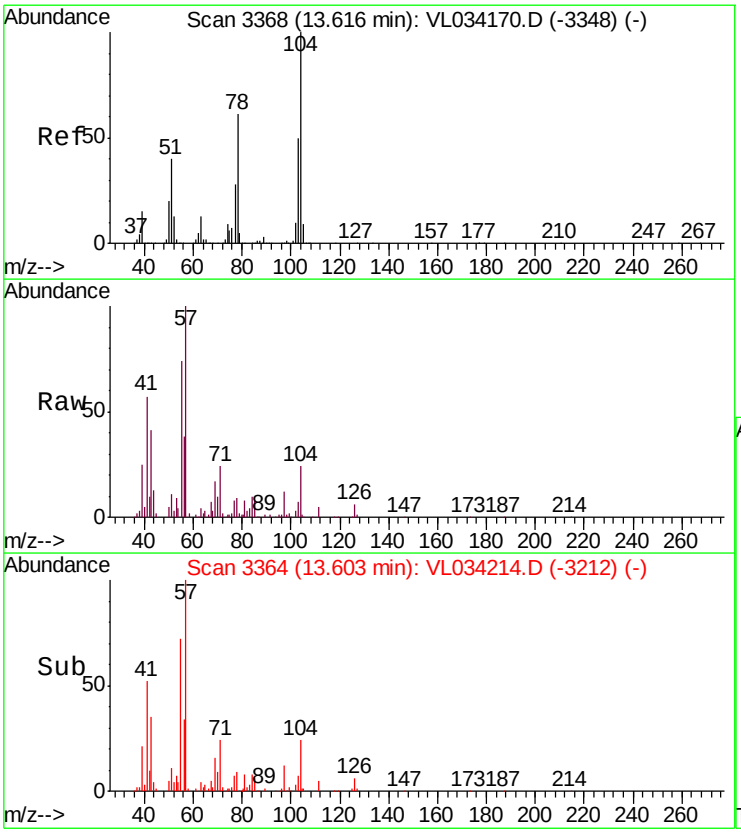

#60
o-Xylene
Concen: 1.106 ppbv
RT: 13.77 min Scan# 3416
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion: 91 Resp: 276778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 39.5 | 21.2 | 63.6 |

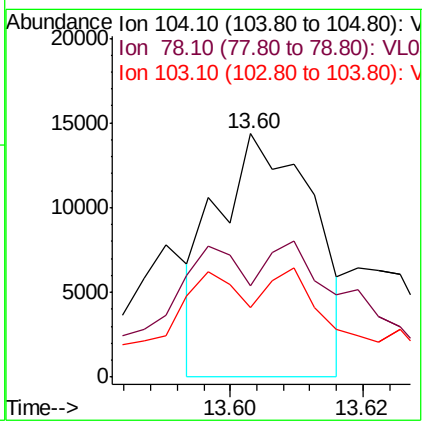


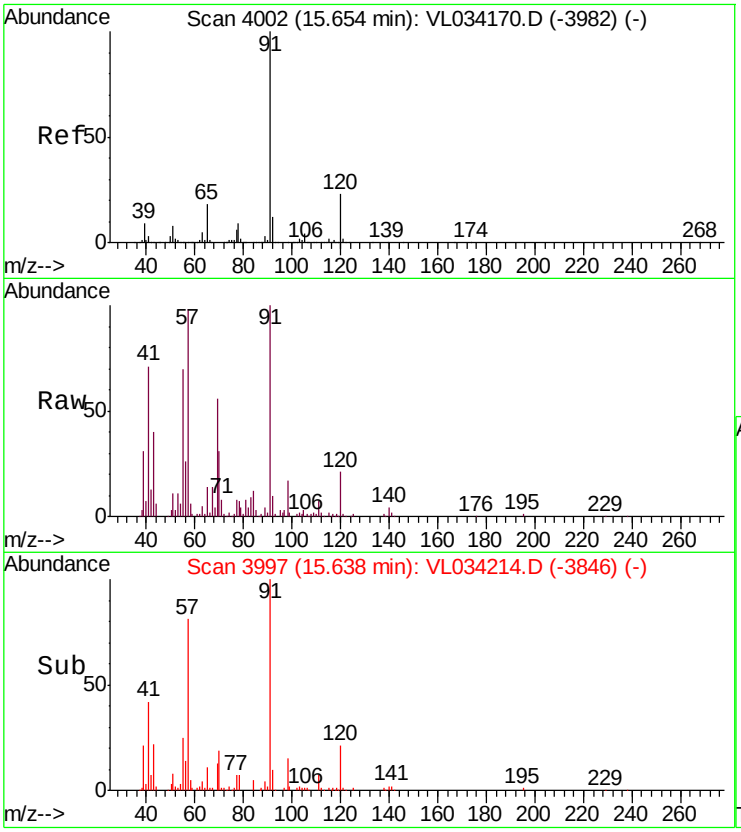




#61
Styrene
Concen: 0.081 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:104 Resp: 14583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 115.2 | 49.7 | 74.5# |
| 103 | 85.4 | 38.4 | 57.6# |



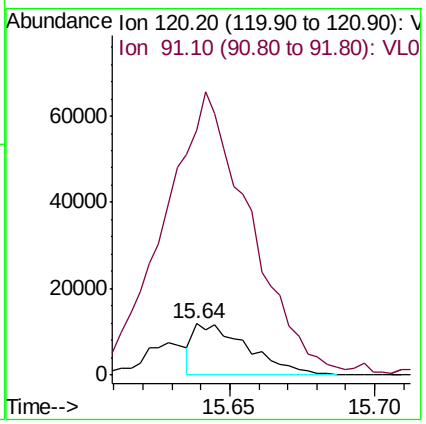


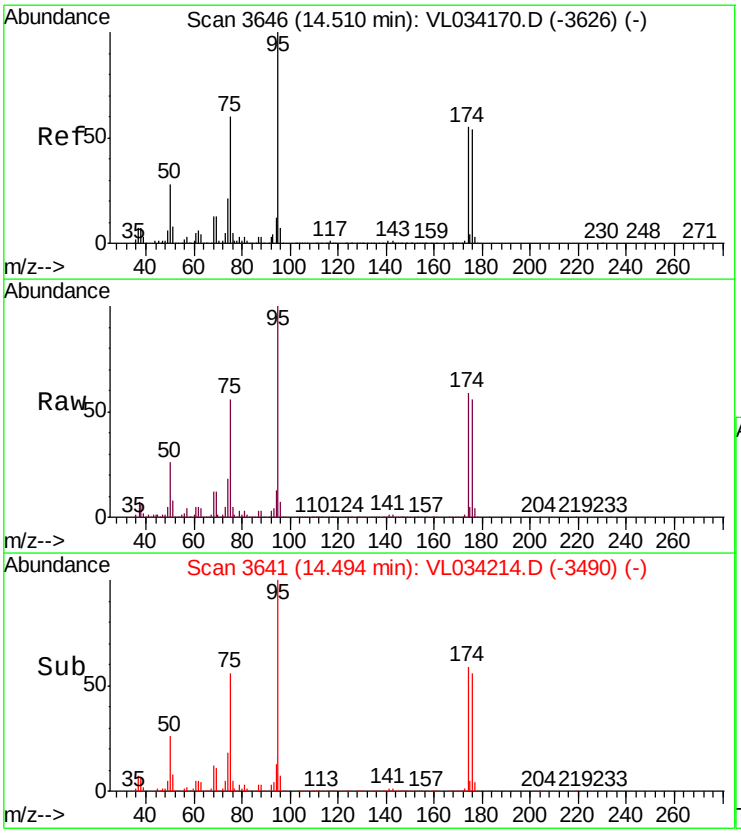

#64
n-propylbenzene
Concen: 0.191 ppbv
RT: 15.64 min Scan# 3997
Delta R.T. -0.02 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion:120 Resp: 15654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 850.8 | 378.2 | 567.2# |

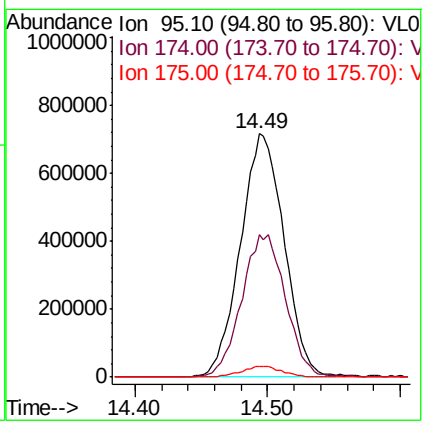


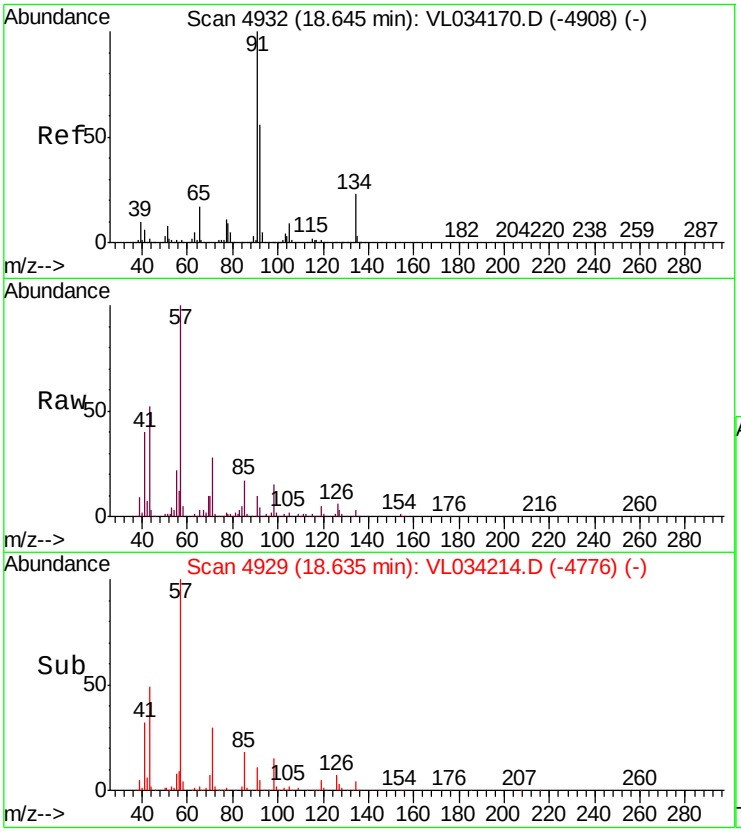




#68
1-Bromo-4-Fluorobenzene
Concen: 10.041 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. -0.02 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 95 Resp: 1633505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 59.2 | 45.1 | 67.7 |
| 175 | 4.4 | 3.3 | 4.9 |



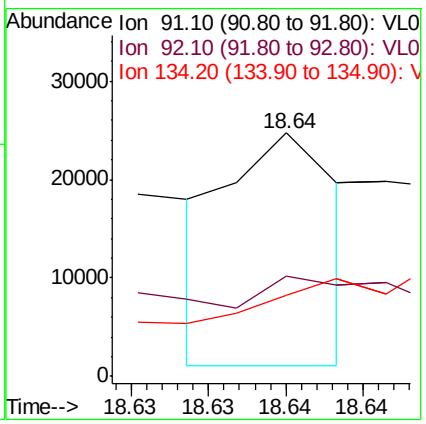


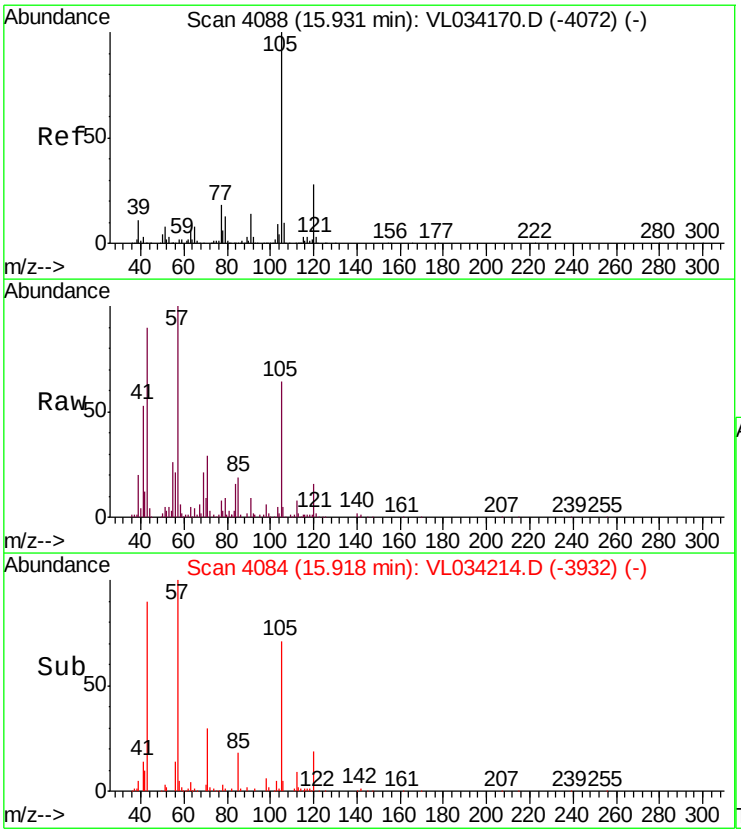

#70
n-Butylbenzene
Concen: 0.031 ppbv
RT: 18.64 min Scan# 4929
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion: 91 Resp: 11731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 216.1 | 44.8 | 67.2# |
| 134 | 0.0 | 17.3 | 25.9# |

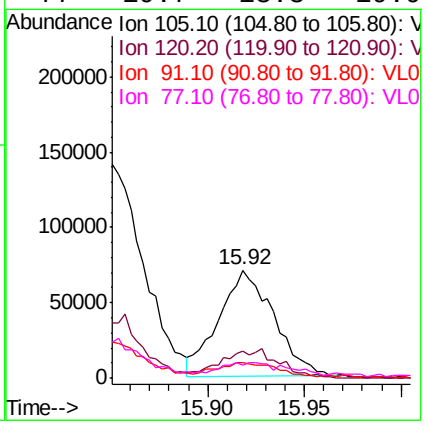


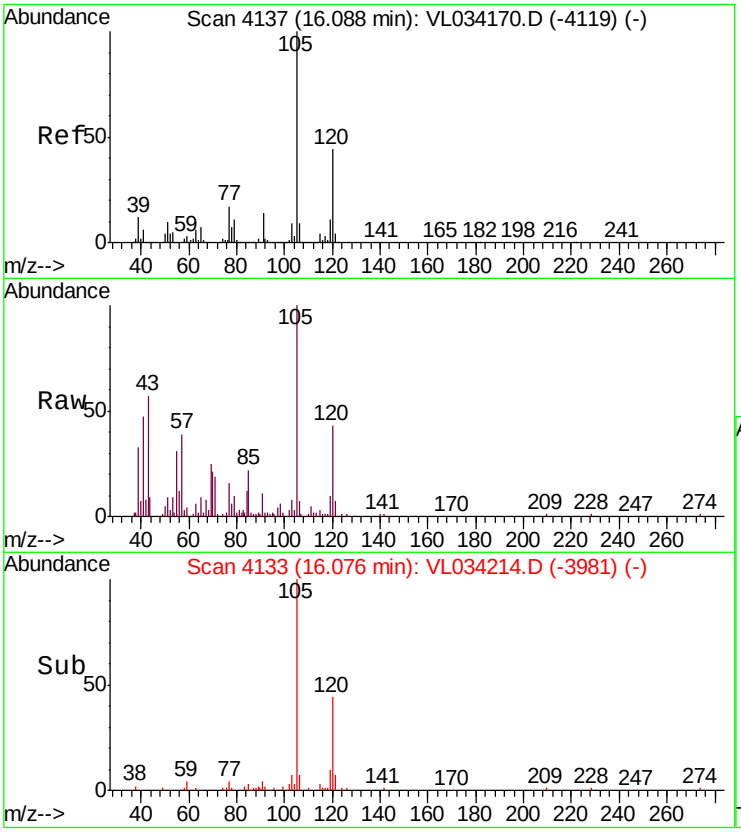




#72
4-Ethyltoluene
Concen: 0.494 ppbv
RT: 15.92 min Scan# 4084
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:105 Resp: 139605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.4 | 23.3 | 34.9 |
| 91 | 14.4 | 11.4 | 17.2 |
| 77 | 19.7 | 13.3 | 19.9 |



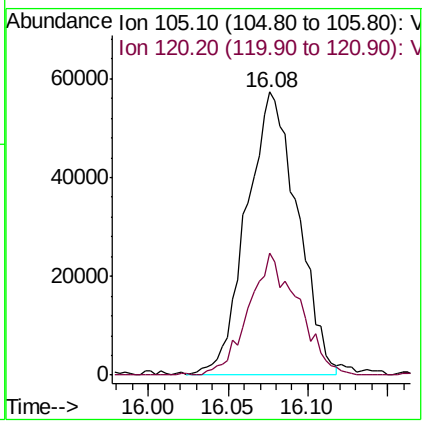


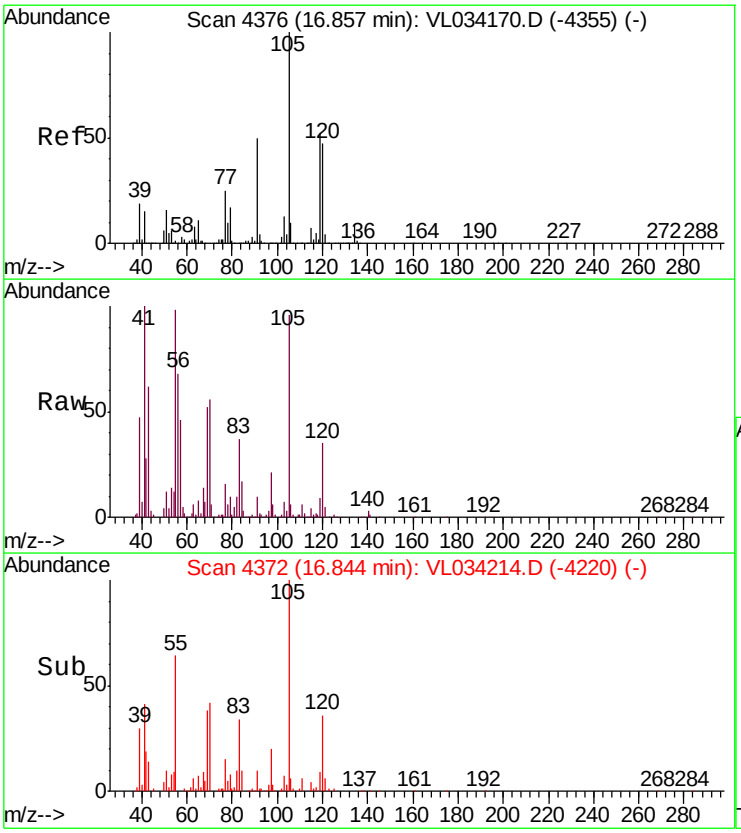

#73
1,3,5-Trimethylbenzene
Concen: 0.456 ppbv
RT: 16.08 min Scan# 4133
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :**
MSVOA_L
**ClientSampleId :**
SV-3

Tgt Ion:105 Resp: 124659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 35.6 | 53.4 |

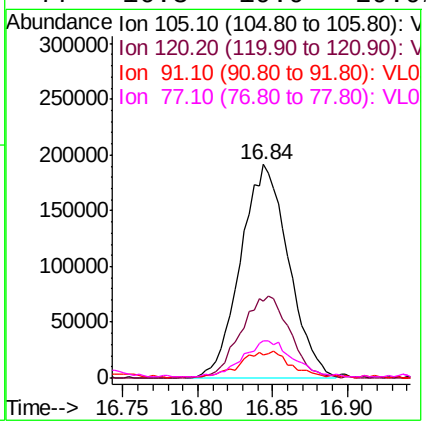


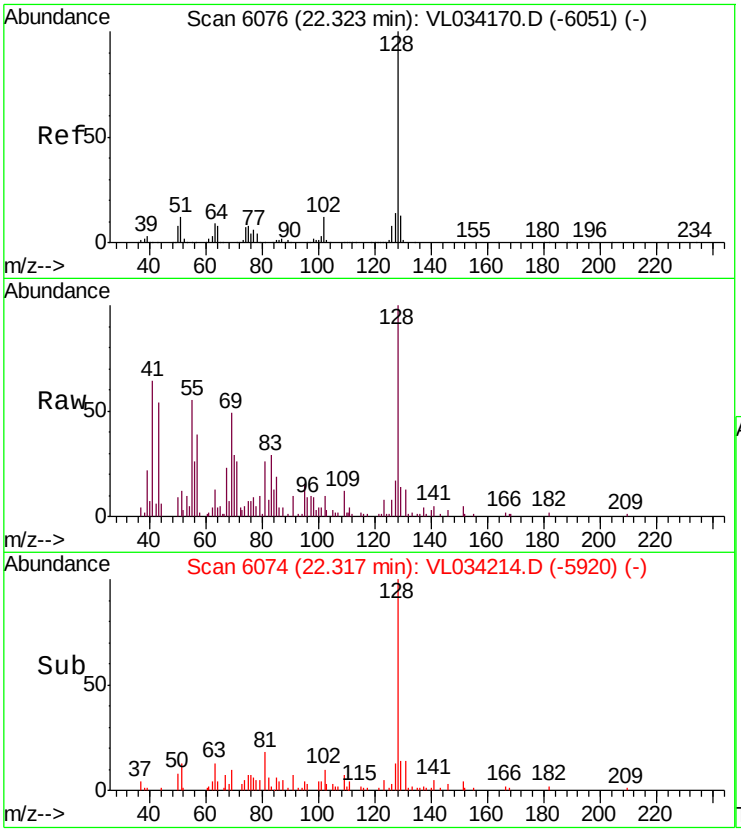




#74
1,2,4-Trimethylbenzene
Concen: 1.473 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:105 Resp: 426986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 36.1 | 37.5 | 56.3# |
| 91 | 10.1 | 41.1 | 61.7# |
| 77 | 16.3 | 19.9 | 29.9# |



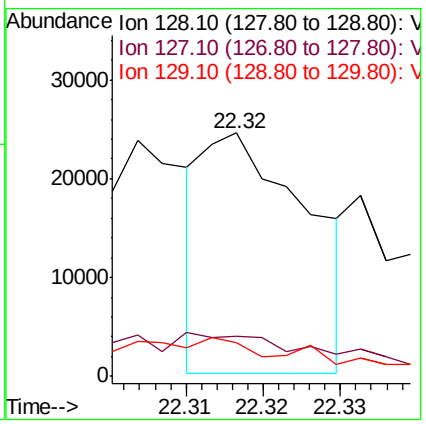


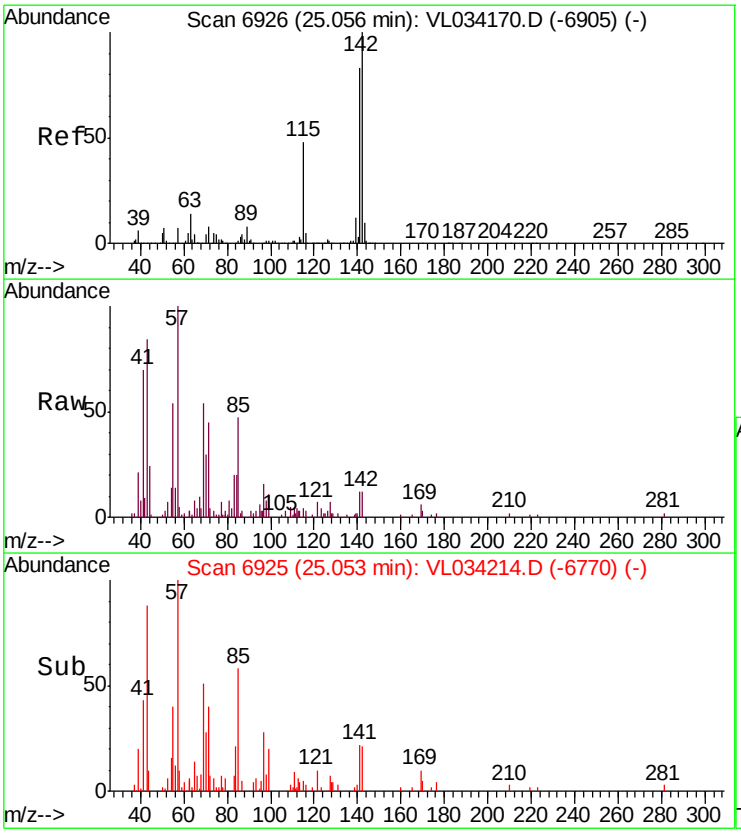

#79
Naphthalene
Concen: 0.089 ppbv
RT: 22.32 min Scan# 6074
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

**Instrument :** MSVOA_L
**ClientSampleId :** SV-3

Tgt Ion:128 Resp: 22793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 21.6 | 11.1 | 16.7# |
| 129 | 18.5 | 10.2 | 15.4# |




#80
Naphthalene,2-methyl-
Concen: 0.035 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion:142 Resp: 4212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 125.6 | 67.6 | 101.4# |
| 115 | 79.2 | 36.9 | 55.3# |