Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032320\

Quantitation Report (Not Reviewed)

Data File : VL034930.D
Acq On : 23 Mar 2020 14:36
Operator : SY/AP
Sample : VL0323ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Quant Time: Mar 24 01:49:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.65 | 49 | 987810 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.18 | 114 | 2183602 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.11 | 117 | 2295692 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.45 | 95 | 1839894 | 10.28 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 102.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.01 | 85 | 757409 | 5.599 | ppbv | | 99 |
| 3) Chlorodifluoromethane | 2.94 | 51 | 1104327 | 10.008 | ppbv | | 99 |
| 4) Chloromethane | 3.10 | 50 | 656983 | 10.535 | ppbv | | 98 |
| 5) Vinyl Chloride | 3.22 | 62 | 640533 | 10.683 | ppbv | | 93 |
| 6) Bromomethane | 3.44 | 94 | 379842 | 10.883 | ppbv | | 99 |
| 7) Chloroethane | 3.52 | 64 | 233932 | 10.804 | ppbv | | 97 |
| 8) Dichlorotetrafluoroethane | 3.15 | 85 | 1334915 | 9.502 | ppbv | | 96 |
| 9) Propene | 2.97 | 41 | 527898 | 10.020 | ppbv | | 100 |
| 10) Heptane | 8.12 | 43 | 1379924 | 10.643 | ppbv | | 100 |
| 11) Trichlorofluoromethane | 3.92 | 101 | 1422853 | 9.887 | ppbv | | 97 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.46 | 101 | 1010735 | 10.035 | ppbv | | 96 |
| 13) Ethanol | 3.57 | 45 | 154568 | 9.650 | ppbv | | 92 |
| 14) Bromoethene | 3.70 | 108 | 450781 | 10.363 | ppbv | | 100 |
| 15) Acetone | 3.82 | 43 | 1161618 | 9.073 | ppbv | | 99 |
| 16) 1,3-Butadiene | 3.29 | 39 | 587039 | 10.140 | ppbv | | 100 |
| 17) tert-Butyl alcohol | 4.27 | 59 | 1033965 | 8.383 | ppbv | | 99 |
| 18) 1,1-Dichloroethene | 4.26 | 96 | 467963 | 10.492 | ppbv | | 99 |
| 19) Isopropyl Alcohol | 3.94 | 45 | 773581 | 9.568 | ppbv | # | 40 |
| 20) Methylene Chloride | 4.32 | 84 | 412673 | 10.195 | ppbv | | 91 |
| 21) Allyl Chloride | 4.38 | 41 | 814650 | 9.907 | ppbv | | 99 |
| 22) trans-1,2-Dichloroethene | 4.86 | 96 | 471229 | 10.414 | ppbv | | 97 |
| 23) Vinyl Acetate | 5.05 | 43 | 1909559 | 10.097 | ppbv | | 99 |
| 24) 1,1-Dichloroethane | 4.99 | 63 | 1292352 | 10.193 | ppbv | | 99 |
| 25) Ethyl Acetate | 5.66 | 43 | 2271257 | 9.957 | ppbv | | 100 |
| 26) Hexane | 5.67 | 57 | 1026035 | 10.446 | ppbv | | 97 |
| 27) Carbon Disulfide | 4.52 | 76 | 1196525 | 10.735 | ppbv | | 98 |
| 28) Methyl tert-Butyl Ether | 5.01 | 73 | 1541922 | 9.435 | ppbv | | 99 |
| 29) Chloroform | 5.74 | 83 | 1524108 | 10.170 | ppbv | | 99 |
| 30) Cyclohexane | 7.13 | 84 | 853464 | 10.414 | ppbv | | 99 |
| 31) cis-1,2-Dichloroethene | 5.54 | 61 | 1040068 | 10.354 | ppbv | | 97 |
| 32) 1,1,1-Trichloroethane | 6.51 | 97 | 1457769 | 9.983 | ppbv | | 98 |
| 34) 2-Butanone | 5.23 | 43 | 1525923 | 10.516 | ppbv | | 100 |
| 35) Carbon Tetrachloride | 7.02 | 117 | 1493424 | 10.996 | ppbv | | 99 |
| 36) Benzene | 6.89 | 78 | 2024156 | 10.400 | ppbv | | 99 |
| 37) 1,2-Dichloroethane | 6.30 | 62 | 1188466 | 10.829 | ppbv | | 99 |
| 38) Trichloroethene | 7.84 | 130 | 744496 | 10.072 | ppbv | | 98 |
| 39) 1,2-Dichloropropane | 7.62 | 63 | 803224 | 10.416 | ppbv | | 98 |
| 40) 1,4-Dioxane | 7.83 | 88 | 139124 | 4.777 | ppbv | # | 1 |
| 41) Tetrahydrofuran | 6.04 | 42 | 860771 | 10.963 | ppbv | | 99 |
| 42) Bromodichloromethane | 7.80 | 83 | 1623401 | 10.853 | ppbv | | 97 |
| 43) Methyl Methacrylate | 8.02 | 69 | 912709 | 11.131 | ppbv | | 97 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032320\

Quantitation Report (Not Reviewed)

Data File : VL034930.D
Acq On : 23 Mar 2020 14:36
Operator : SY/AP
Sample : VL0323ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Quant Time: Mar 24 01:49:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.87 | 57 | 3509697 | 10.671 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 9.29 | 75 | 1039336 | 10.789 | ppbv | | 100 |
| 46) cis-1,3-Dichloropropene | 8.71 | 75 | 1210766 | 10.576 | ppbv | | 98 |
| 47) 1,1,2-Trichloroethane | 9.49 | 97 | 831338 | 10.505 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.32 | 129 | 1359252 | 10.606 | ppbv | | 100 |
| 49) Bromoform | 13.07 | 173 | 1186709 | 10.385 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.75 | 43 | 2235533 | 10.702 | ppbv | | 100 |
| 51) 2-Hexanone | 10.14 | 43 | 1839437 | 10.835 | ppbv | # | 100 |
| 52) Tetrachloroethene | 11.24 | 164 | 711551 | 9.241 | ppbv | | 98 |
| 53) Toluene | 9.82 | 91 | 2345332 | 10.435 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.63 | 107 | 1264057 | 10.611 | ppbv | | 97 |
| 56) 1,1,1,2-Tetrachloroethane | 12.15 | 131 | 1011195 | 9.806 | ppbv | | 98 |
| 57) Chlorobenzene | 12.17 | 112 | 1743616 | 9.707 | ppbv | | 97 |
| 58) Ethyl Benzene | 12.73 | 91 | 3141829 | 10.106 | ppbv | | 99 |
| 59) m/p-Xylene | 13.02 | 91 | 2678116 | 10.282 | ppbv | # | 38 |
| 60) o-Xylene | 13.72 | 91 | 2557013 | 10.055 | ppbv | | 99 |
| 61) Styrene | 13.55 | 104 | 1874625 | 10.504 | ppbv | | 98 |
| 62) Isopropylbenzene | 14.70 | 105 | 3777833 | 9.825 | ppbv | | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 13.71 | 83 | 1817646 | 10.528 | ppbv | | 100 |
| 64) n-propylbenzene | 15.59 | 120 | 994356 | 9.935 | ppbv | | 90 |
| 65) tert-Butylbenzene | 16.78 | 119 | 3288289 | 9.782 | ppbv | | 97 |
| 66) Benzyl Chloride | 17.02 | 91 | 1280776 | 9.138 | ppbv | | 97 |
| 67) sec-Butylbenzene | 17.33 | 105 | 4730315 | 10.148 | ppbv | | 99 |
| 69) p-Isopropyltoluene | 17.68 | 119 | 3933661 | 10.065 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.58 | 91 | 4218857 | 10.580 | ppbv | | 99 |
| 71) 2-Chlorotoluene | 15.48 | 91 | 2950408 | 10.132 | ppbv | | 98 |
| 72) 4-Ethyltoluene | 15.87 | 105 | 3051333 | 10.160 | ppbv | | 99 |
| 73) 1,3,5-Trimethylbenzene | 16.03 | 105 | 2852741 | 10.147 | ppbv | | 95 |
| 74) 1,2,4-Trimethylbenzene | 16.80 | 105 | 2965072 | 10.237 | ppbv | | 95 |
| 75) 1,3-Dichlorobenzene | 17.03 | 146 | 1715315 | 9.822 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.18 | 146 | 1718418 | 9.860 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 17.85 | 146 | 1677933 | 9.912 | ppbv | | 98 |
| 78) Hexachloro-1,3-Butadiene | 23.41 | 225 | 1381128 | 9.768 | ppbv | | 100 |
| 79) Naphthalene | 22.25 | 128 | 2856590 | 12.646 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 25.01 | 142 | 1215936 | 20.599 | ppbv | | 99 |
| 81) 1,2,4-Trichlorobenzene | 21.98 | 180 | 1645417 | 11.466 | ppbv | | 99 |

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

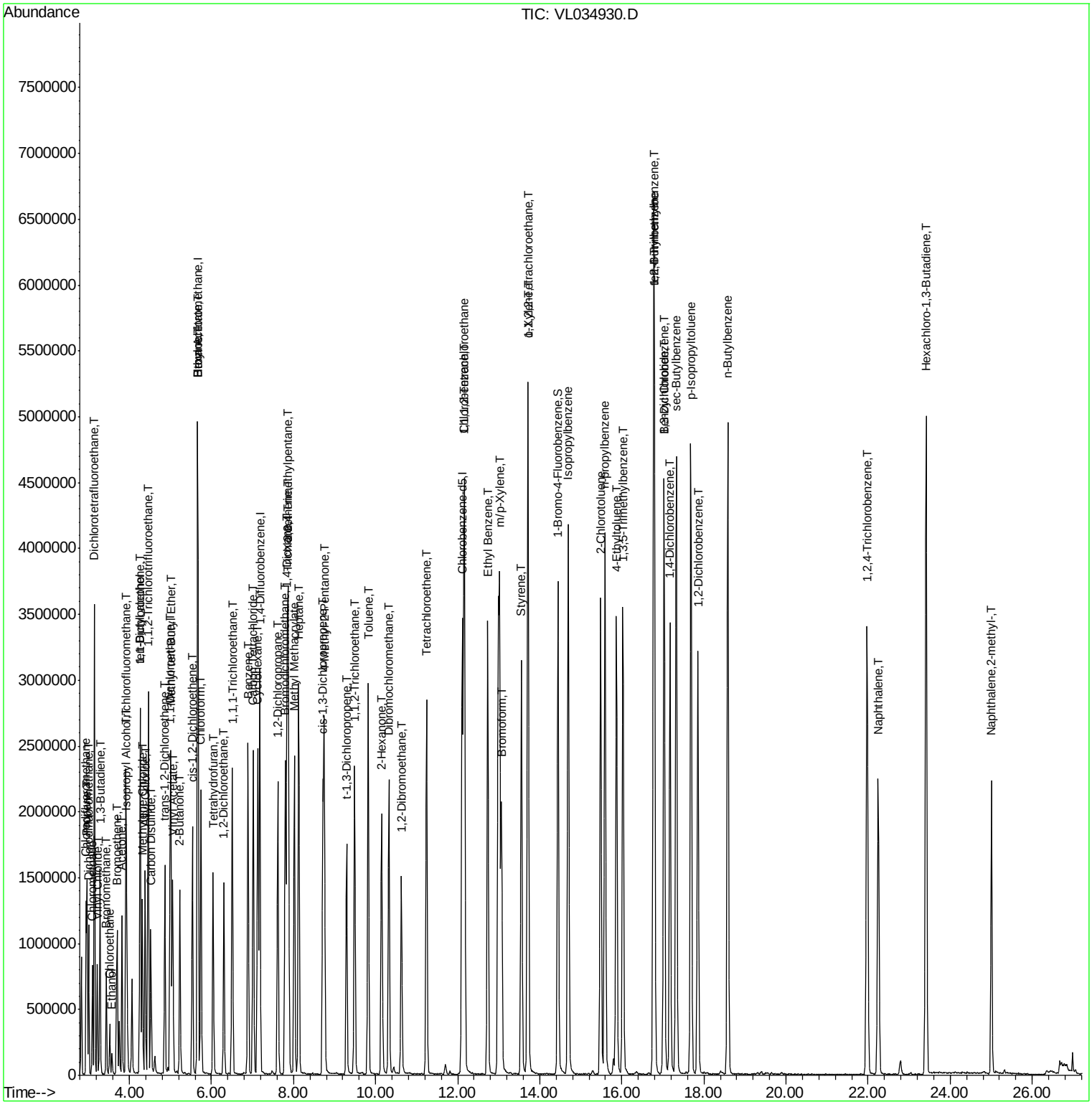
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032320\

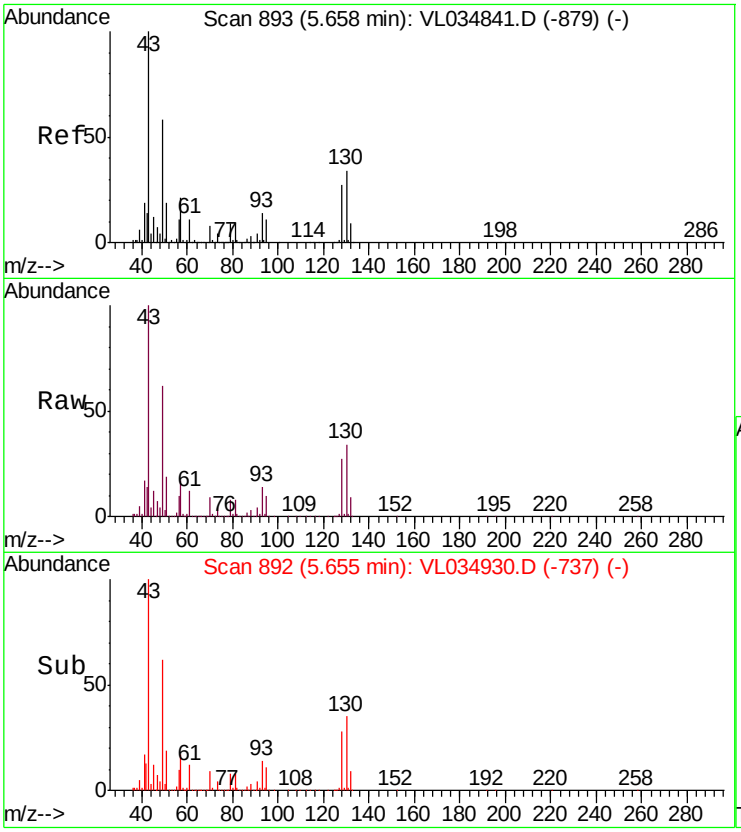
Quantitation Report (Not Reviewed)

Data File : VL034930.D
Acq On : 23 Mar 2020 14:36
Operator : SY/AP
Sample : VL0323ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Quant Time: Mar 24 01:49:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration



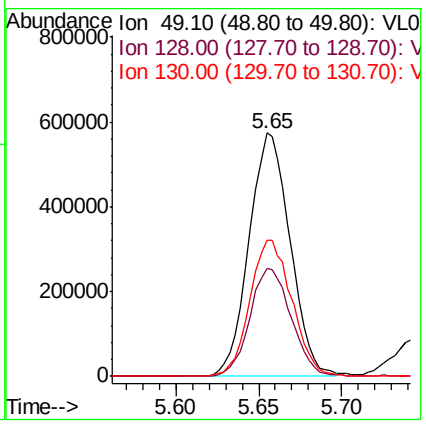


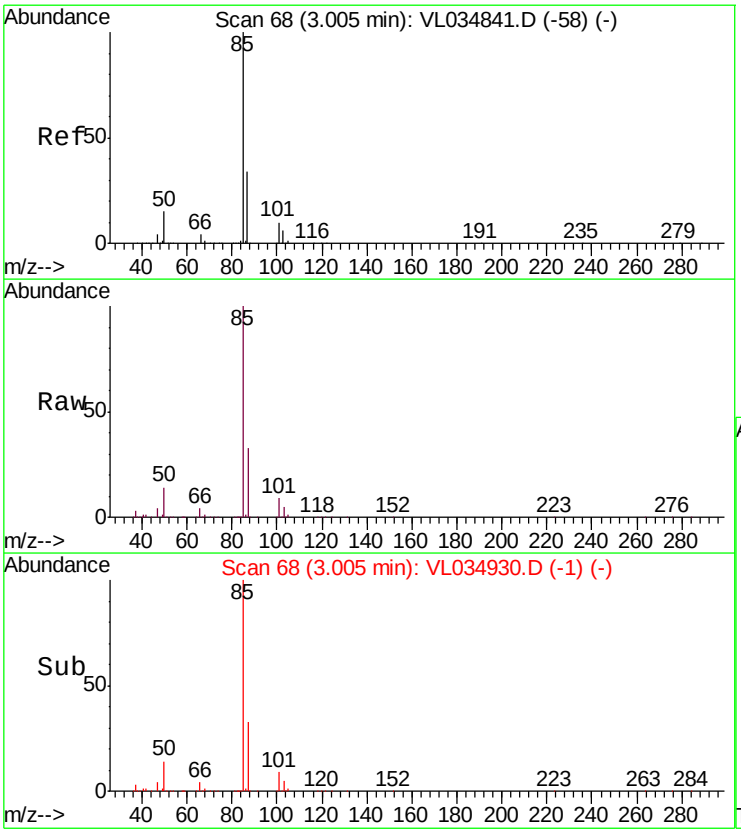

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 49 Resp: 987810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 44.8 | 23.4 | 70.3 |
| 130 | 57.3 | 30.0 | 90.0 |

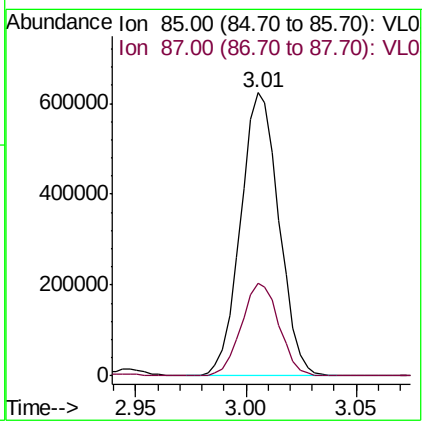


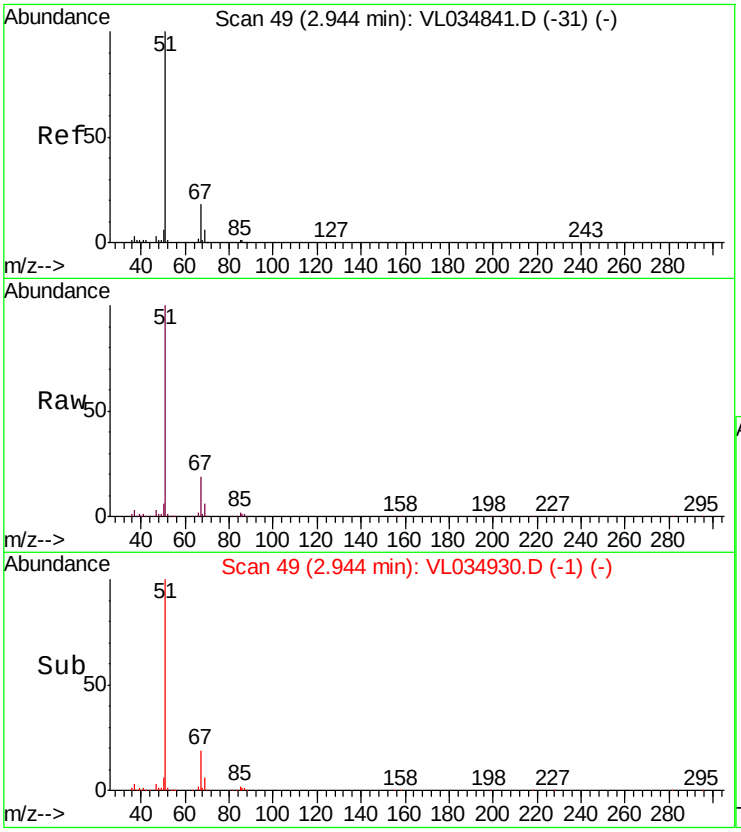




#2
Dichlorodifluoromethane
Concen: 5.599 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 85 Resp: 757409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 26.9 | 40.3 |



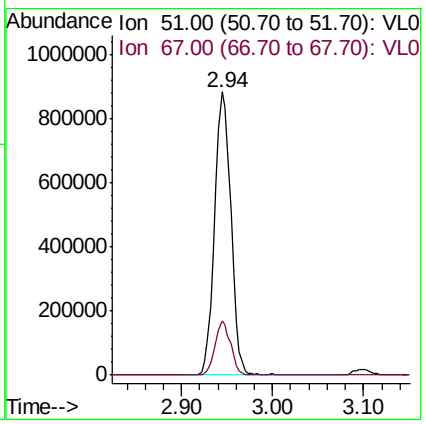


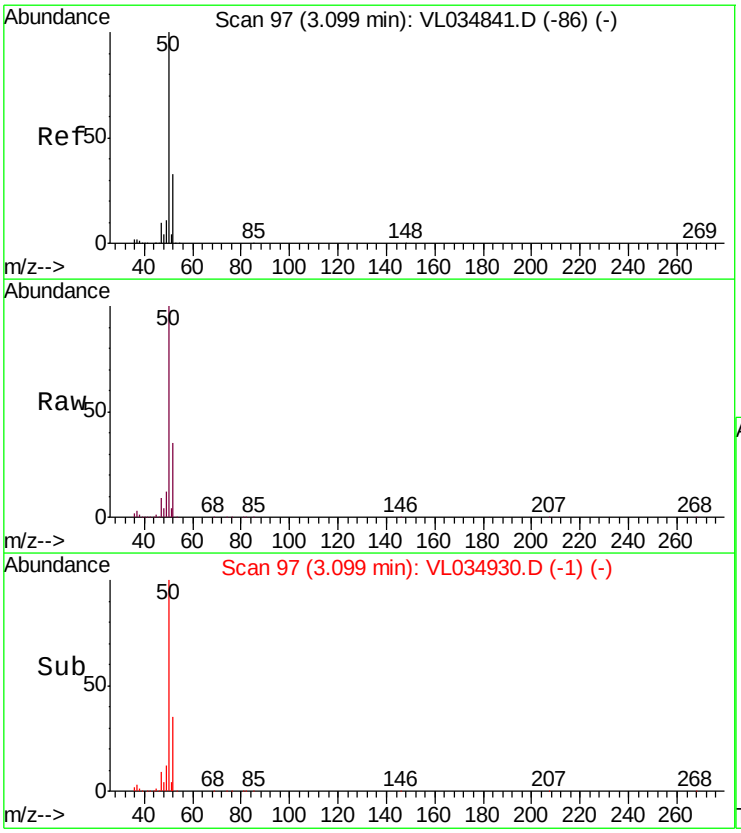

#3
Chlorodifluoromethane
Concen: 10.008 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 51 Resp: 1104327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 18.4 | 14.3 | 21.5 |

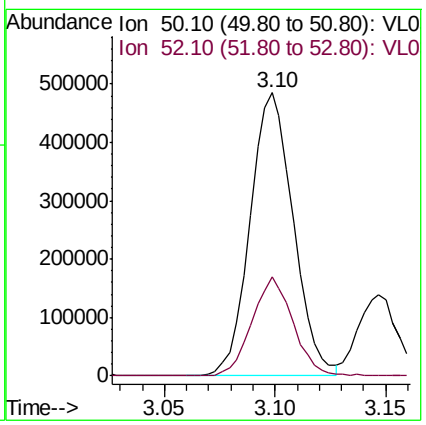


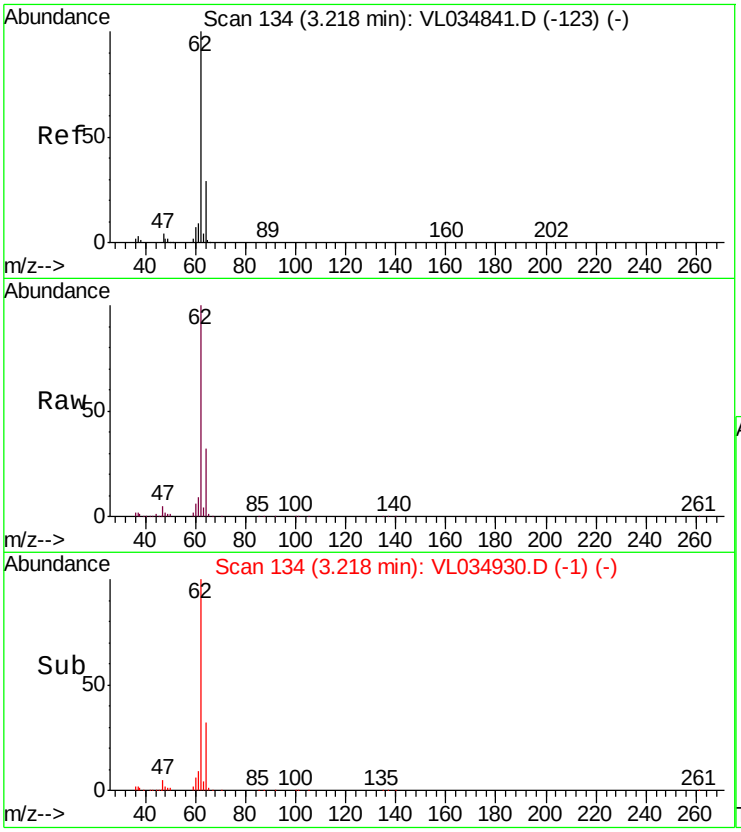




#4
Chloromethane
Concen: 10.535 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 50 Resp: 656983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 26.8 | 40.2 |



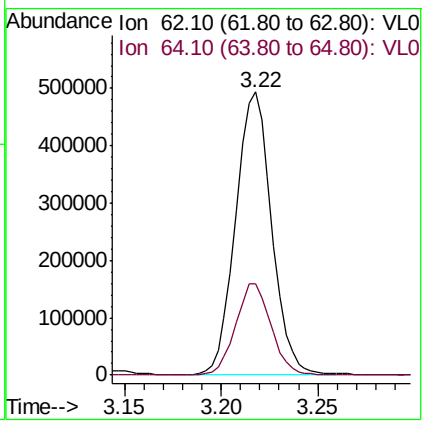


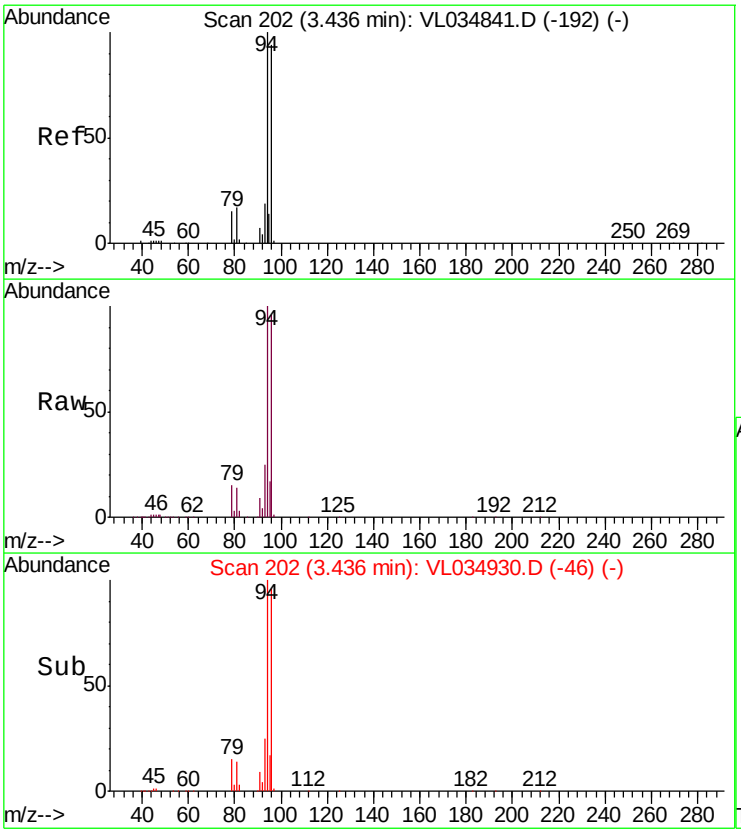

#5
Vinyl Chloride
Concen: 10.683 ppbv
RT: 3.22 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 62 Resp: 640533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 23.0 | 34.4 |

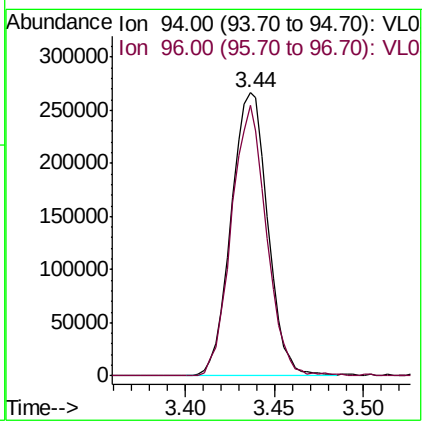


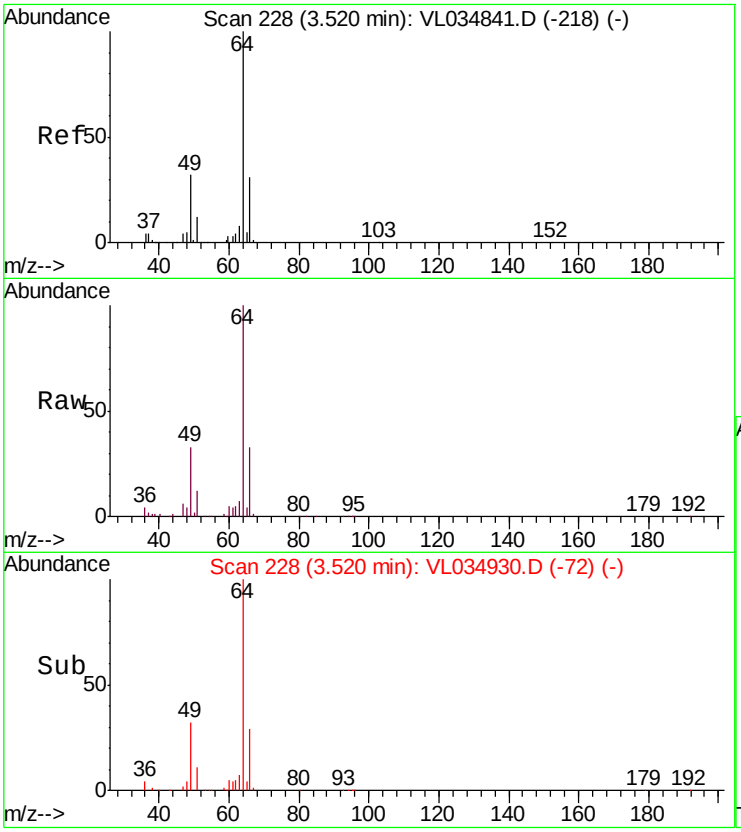




#6
Bromomethane
Concen: 10.883 ppbv
RT: 3.44 min Scan# 202
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 94 Resp: 379842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 75.5 | 113.3 |



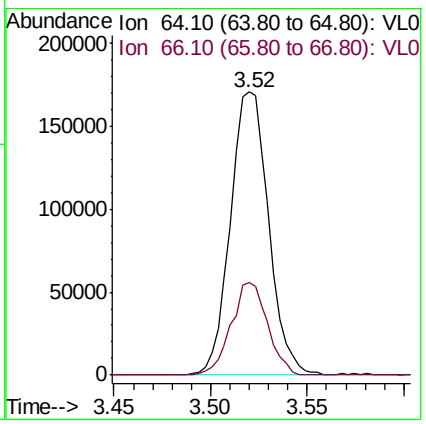


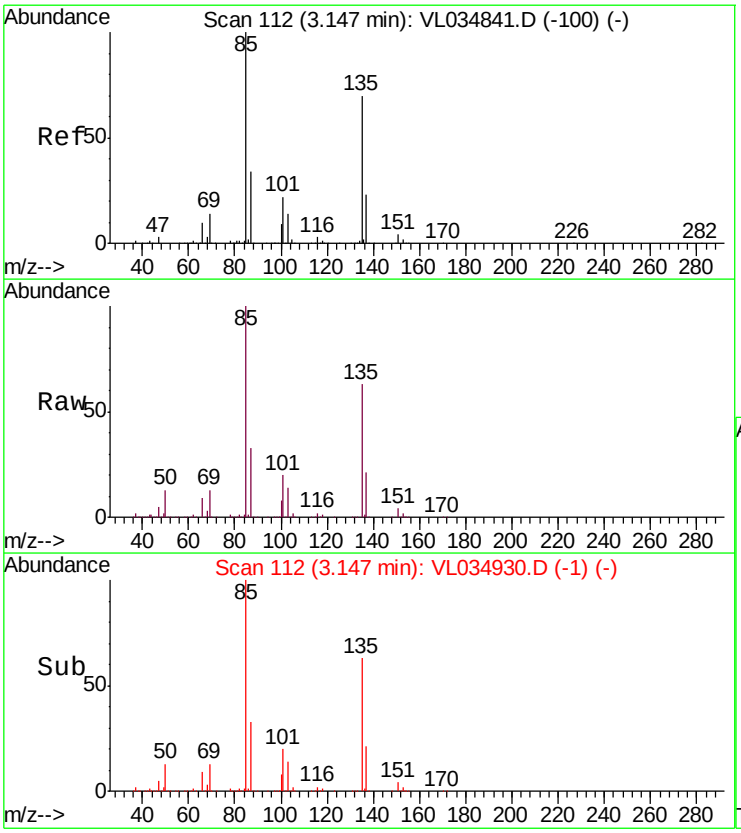

#7
Chloroethane
Concen: 10.804 ppbv
RT: 3.52 min Scan# 228
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 64 Resp: 233932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 24.8 | 37.2 |

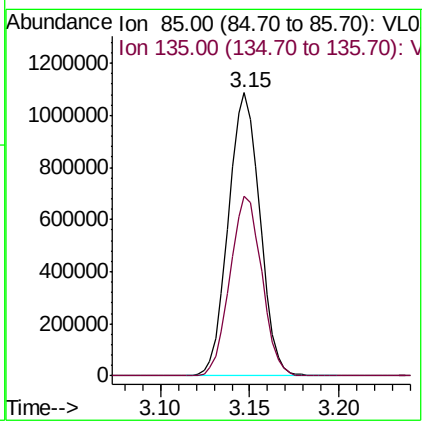


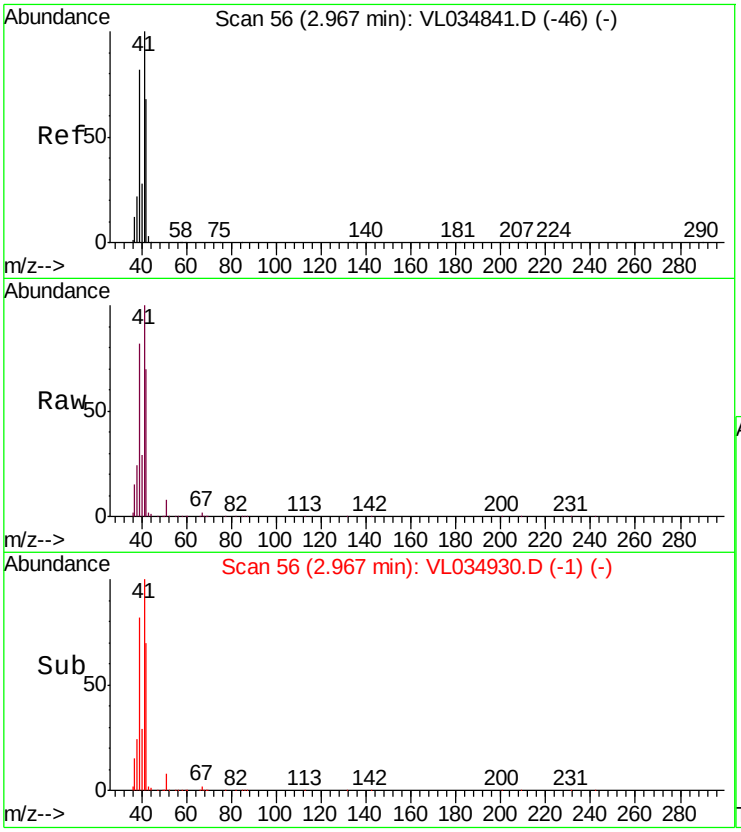




#8
Dichlorotetrafluoroethane
Concen: 9.502 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 85 Resp: 1334915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 64.6 | 54.3 | 81.5 |



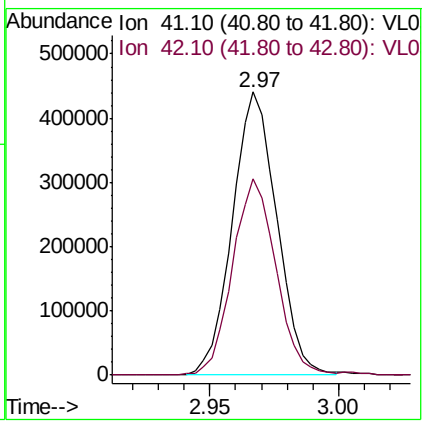


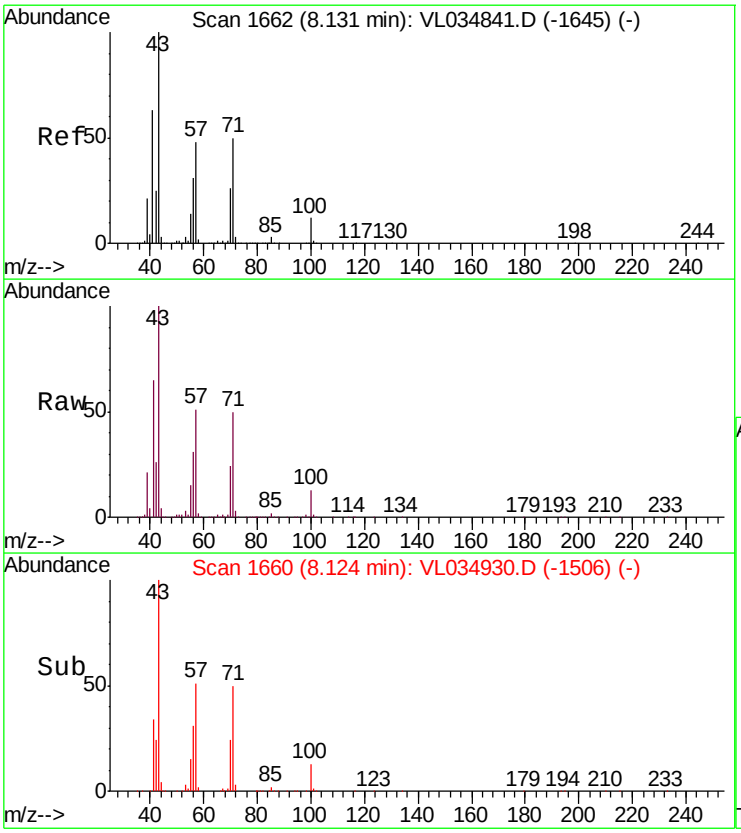

#9
Propene
Concen: 10.020 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 41 Resp: 527898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 69.0 | 55.2 | 82.8 |

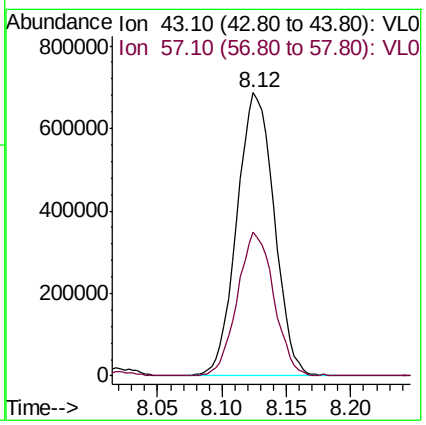


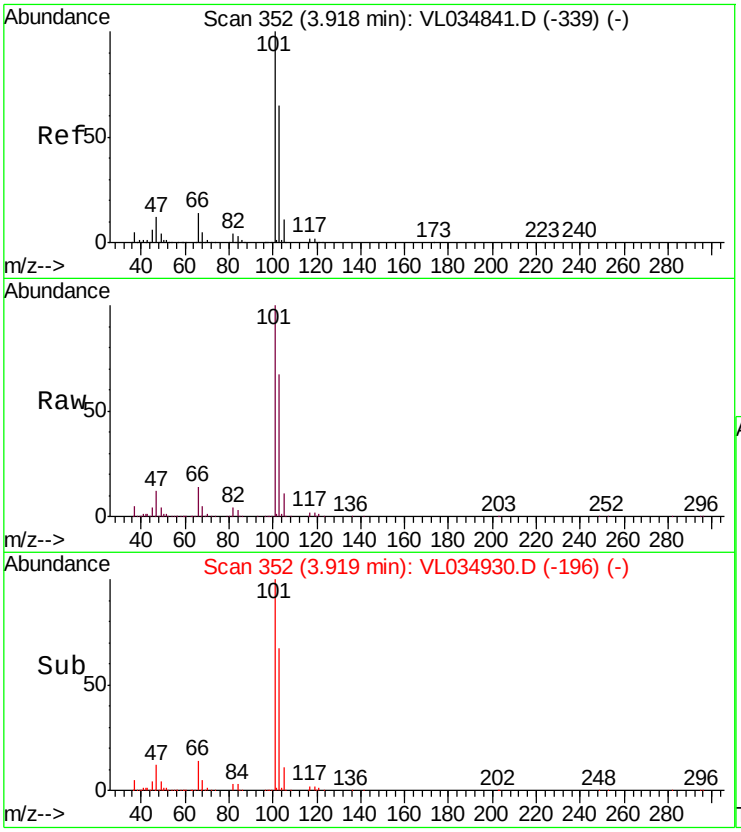




#10
Heptane
Concen: 10.643 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 43 Resp: 1379924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 49.8 | 39.7 | 59.5 |



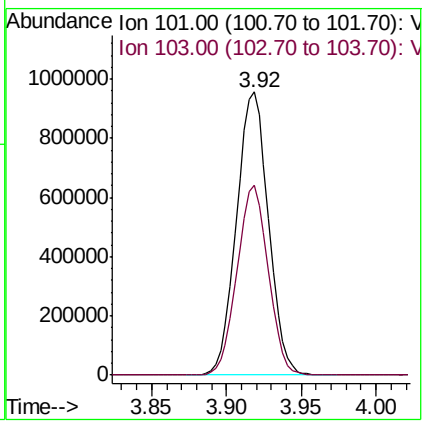


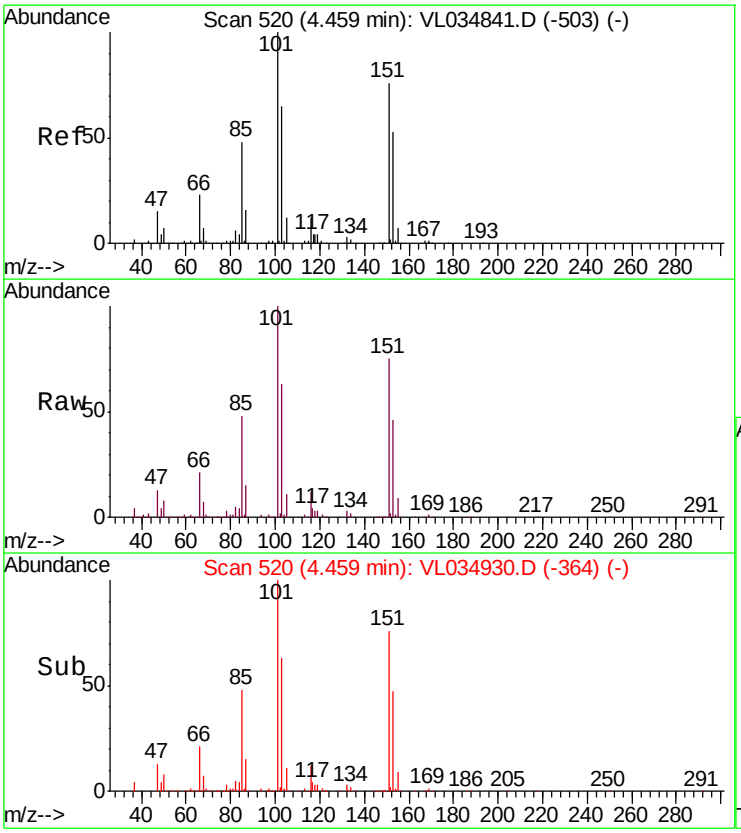

#11
Trichlorofluoromethane
Concen: 9.887 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:101 Resp: 1422853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.9 | 51.8 | 77.8 |

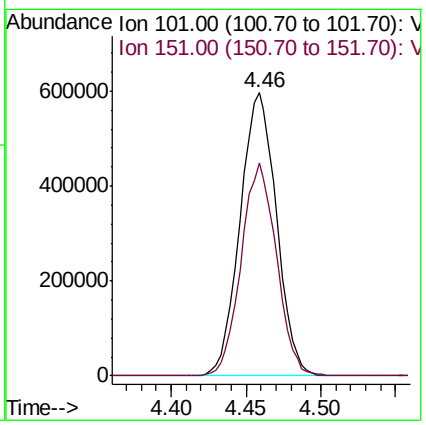


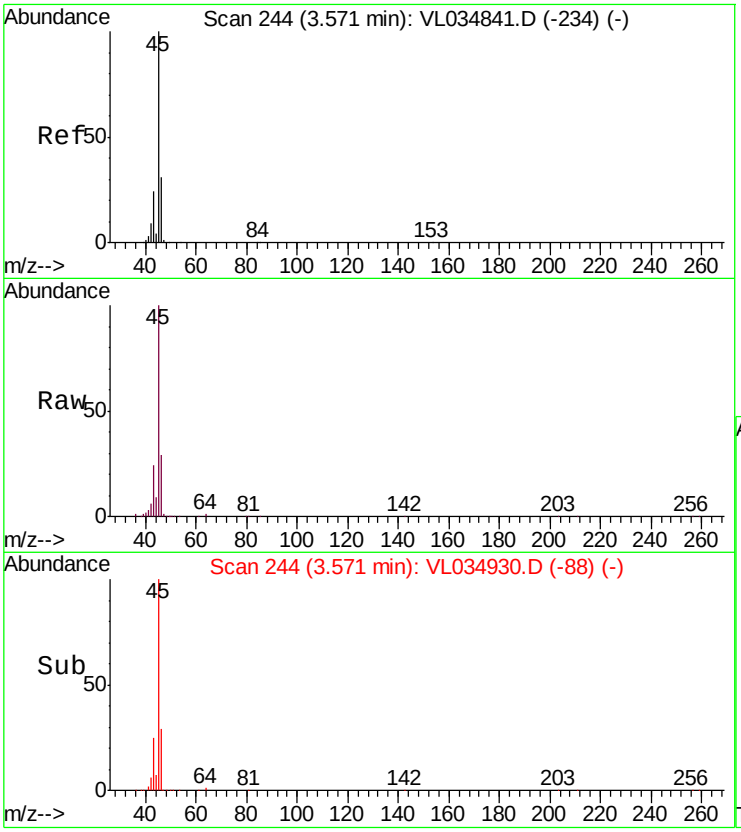




#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.035 ppbv
RT: 4.46 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:101 Resp: 1010735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 72.9 | 60.8 | 91.2 |



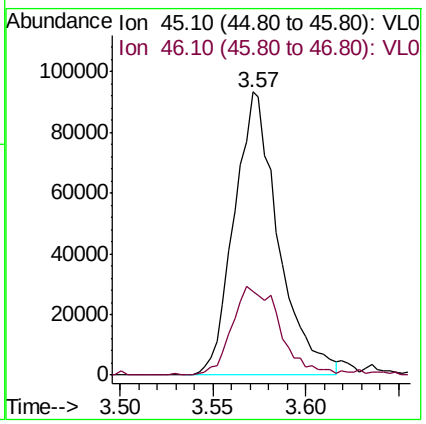


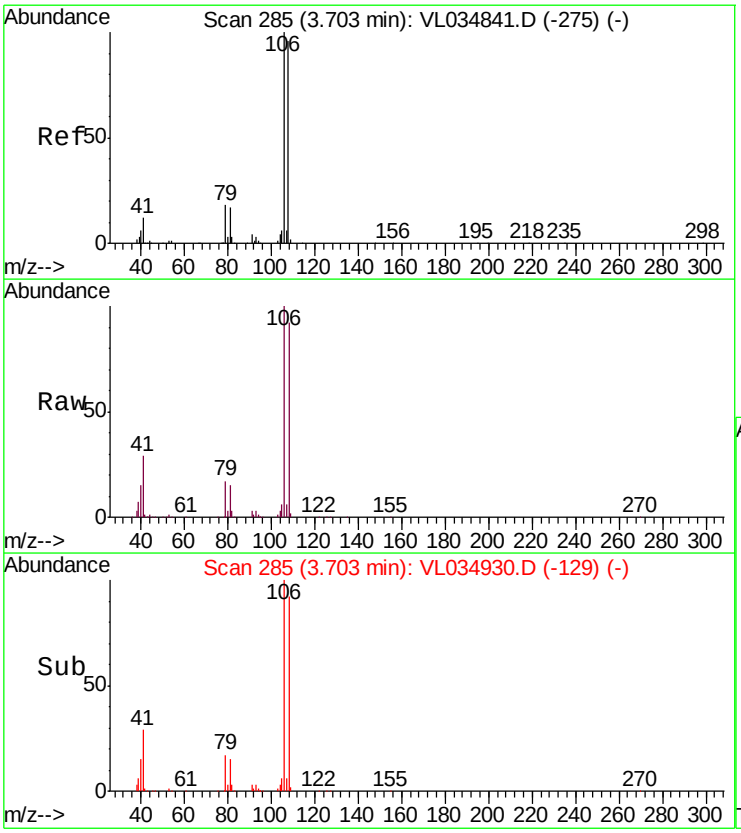

#13
Ethanol
Concen: 9.650 ppbv
RT: 3.57 min Scan# 244
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 45 Resp: 154568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.4 | 16.0 | 64.0 |

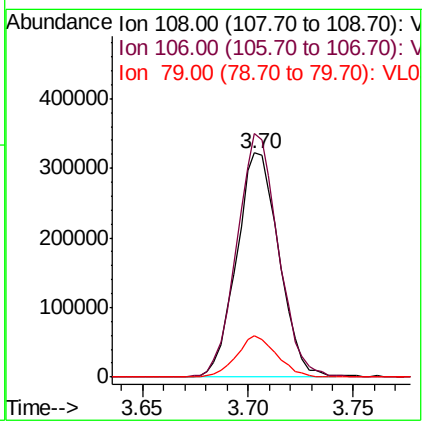


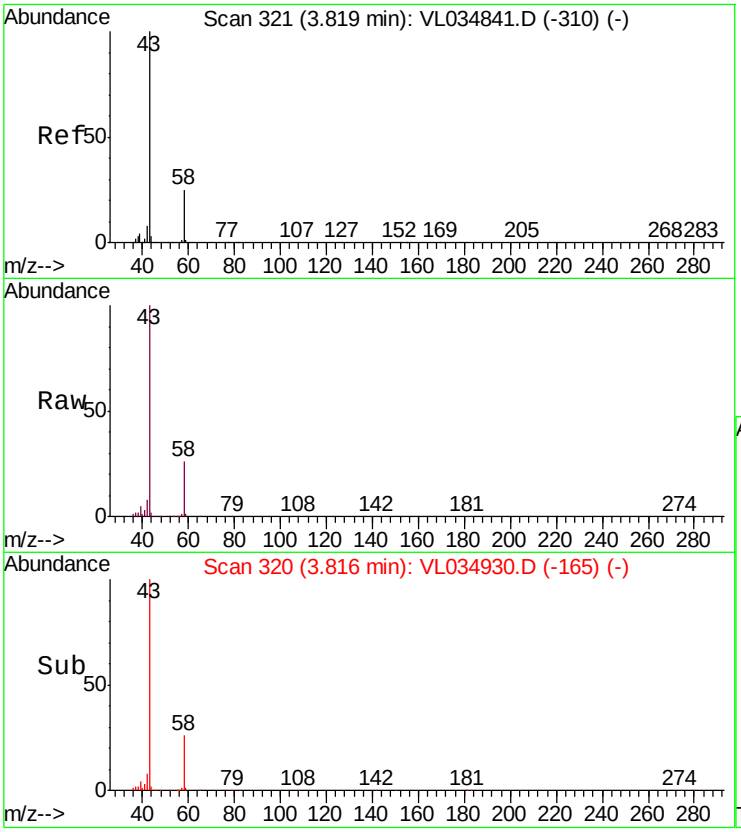




#14
Bromoethene
Concen: 10.363 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:108 Resp: 450781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 106.3 | 85.1 | 127.7 |
| 79 | 17.9 | 14.7 | 22.1 |



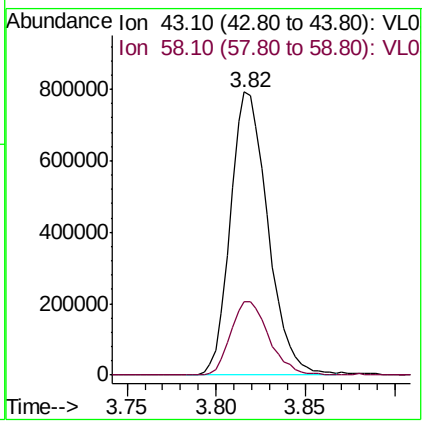


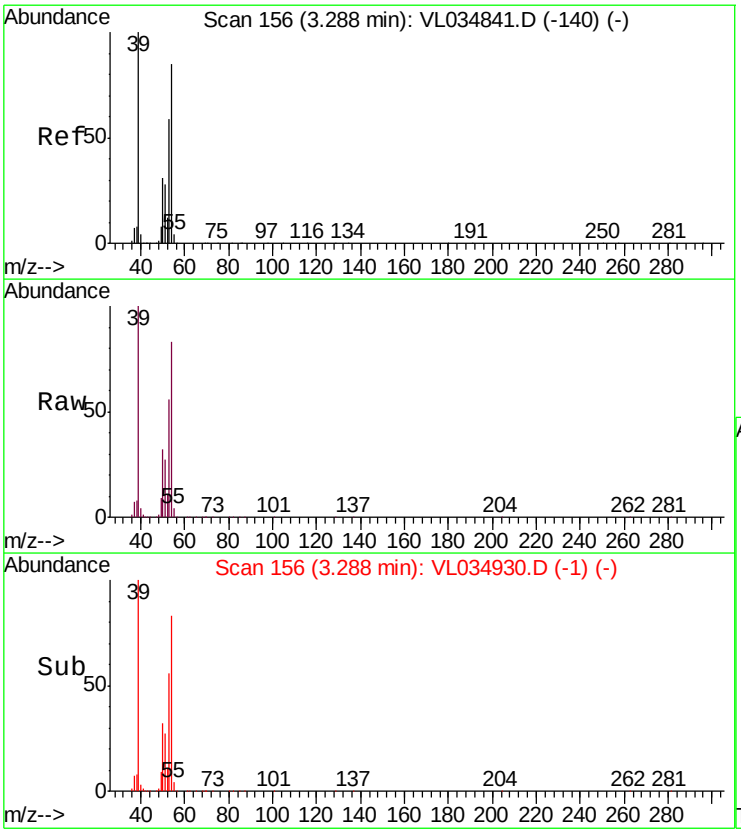

#15
Acetone
Concen: 9.073 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 43 Resp: 1161618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.8 | 21.0 | 31.6 |

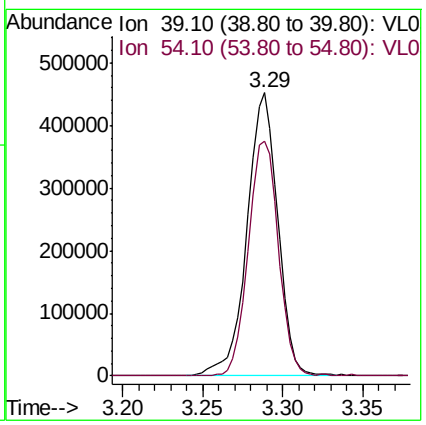


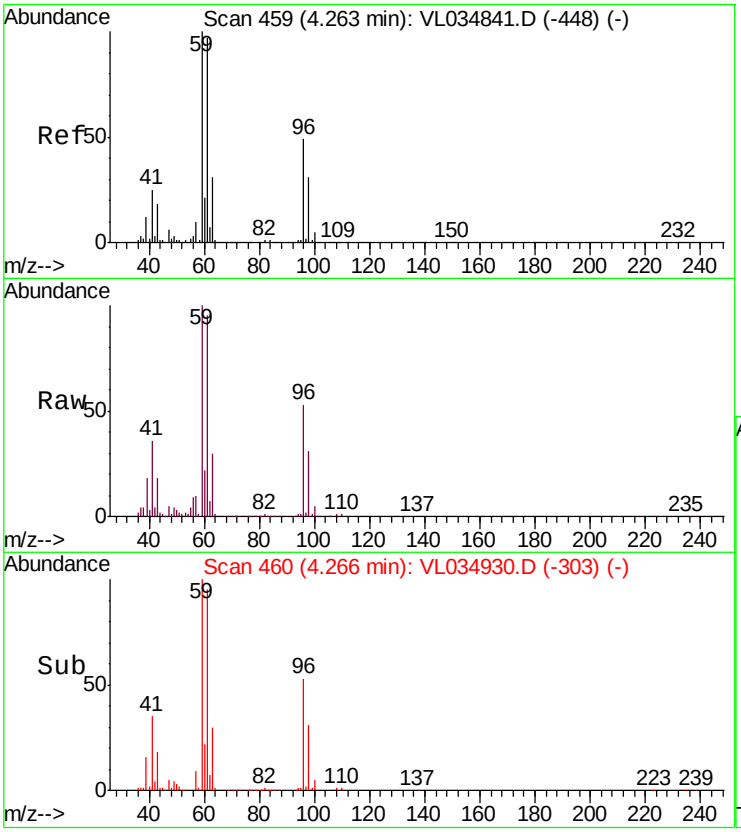




#16
1,3-Butadiene
Concen: 10.140 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 39 Resp: 587039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 81.4 | 65.0 | 97.6 |



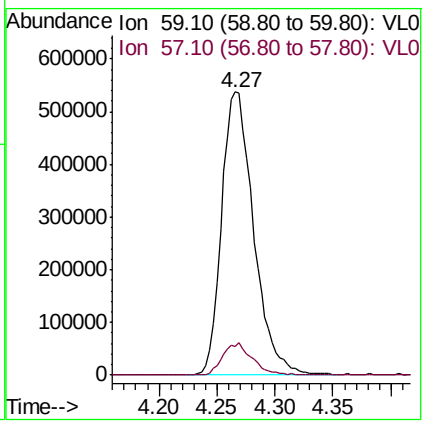


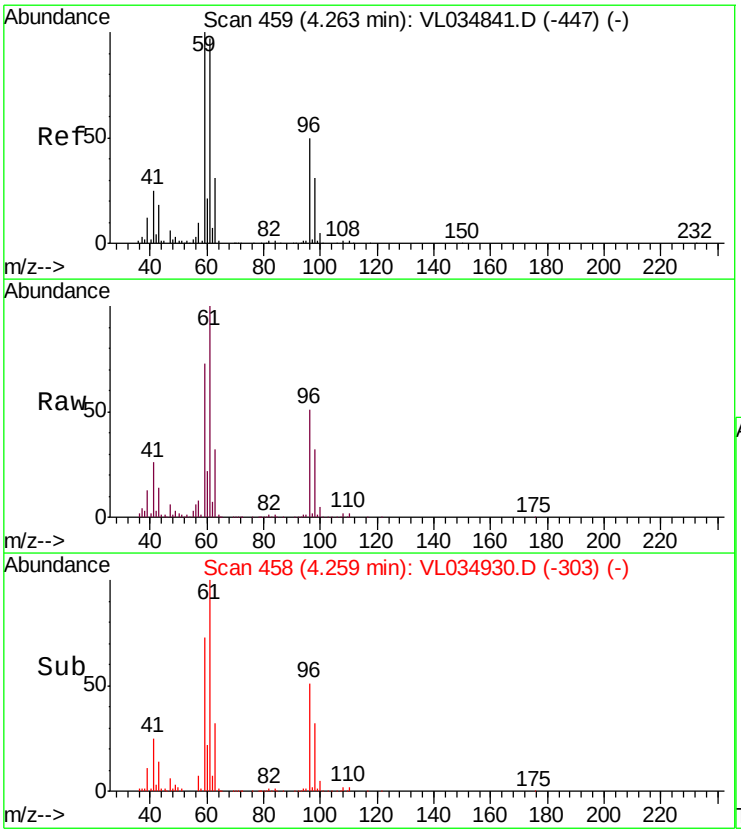

#17
tert-Butyl alcohol
Concen: 8.383 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 59 Resp: 1033965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |

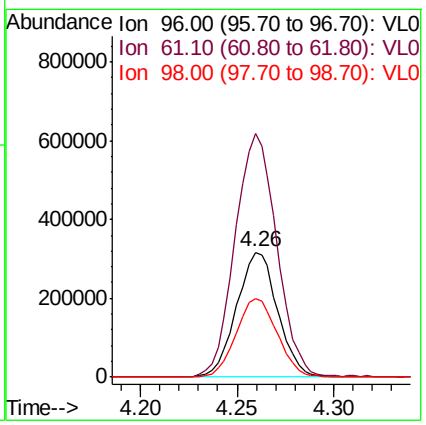


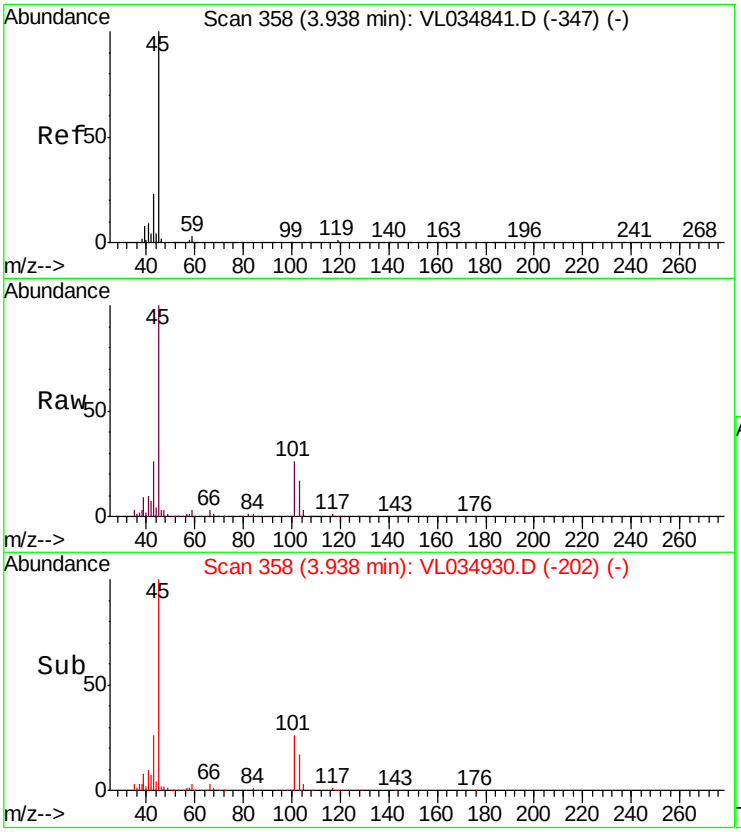




#18
1,1-Dichloroethene
Concen: 10.492 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 96 Resp: 467963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 194.5 | 157.3 | 235.9 |
| 98 | 62.5 | 50.2 | 75.4 |



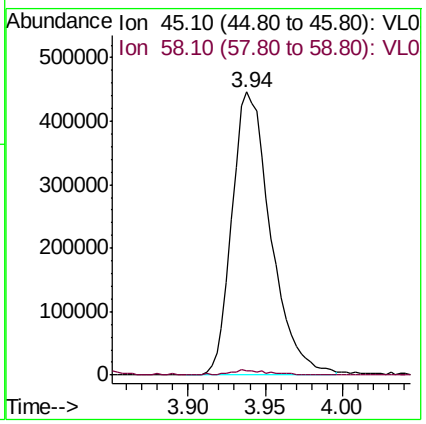


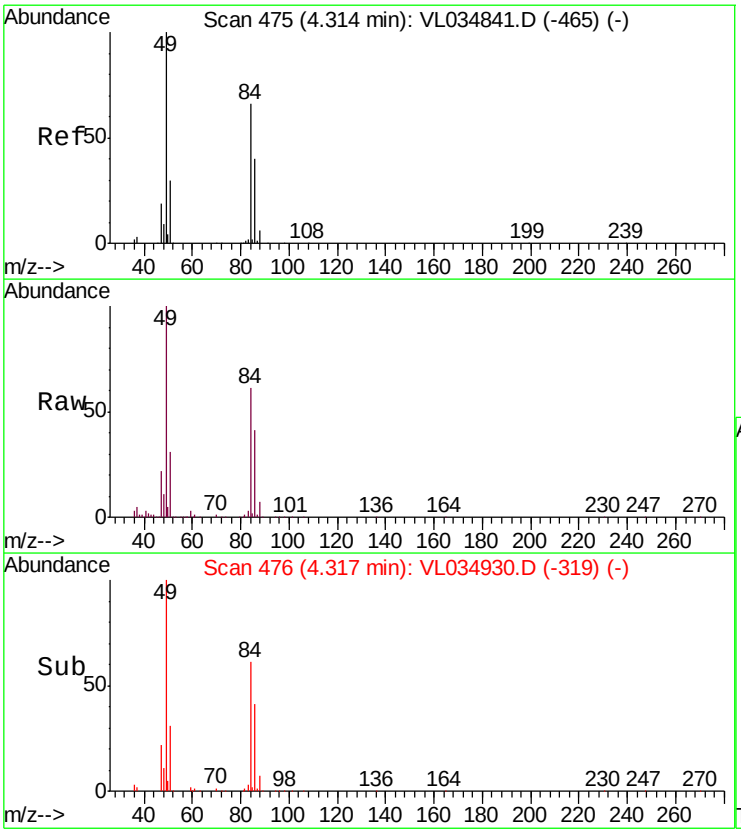

#19
Isopropyl Alcohol
Concen: 9.568 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 45 Resp: 773581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 1.8 | 30.5 | 45.7# |

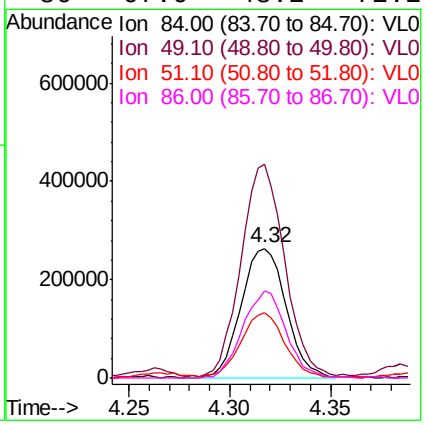


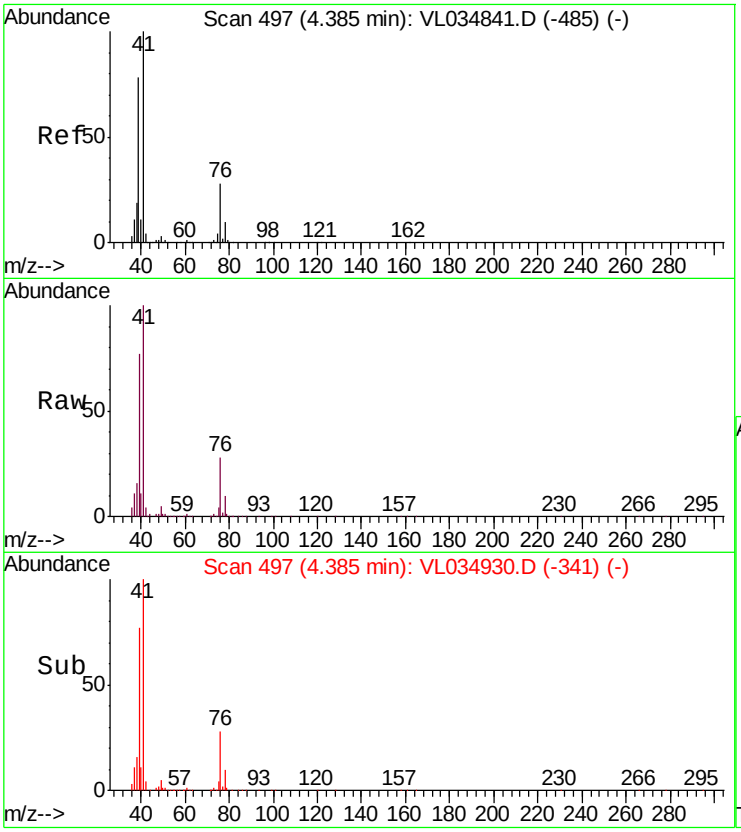




#20
Methylene Chloride
Concen: 10.195 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 84 Resp: 412673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 164.2 | 121.5 | 182.3 |
| 51 | 49.3 | 36.6 | 55.0 |
| 86 | 67.0 | 48.2 | 72.2 |



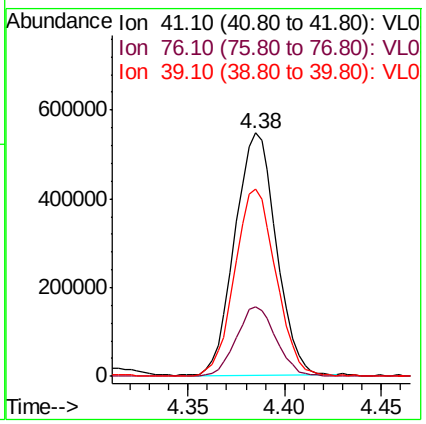


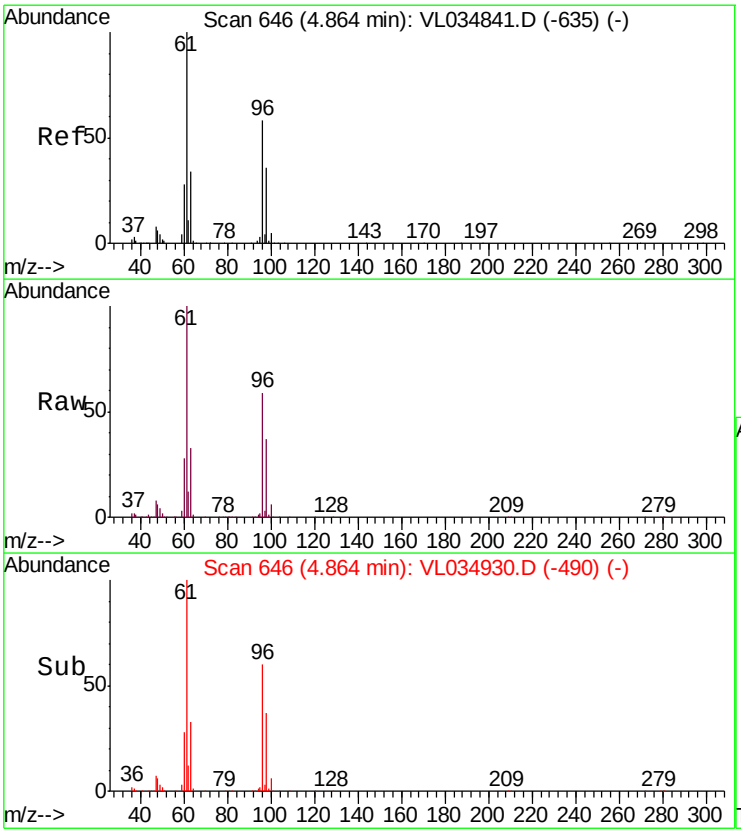

#21
Allyl Chloride
Concen: 9.907 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 41 Resp: 814650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 27.8 | 22.2 | 33.2 |
| 39 | 76.8 | 62.6 | 93.8 |

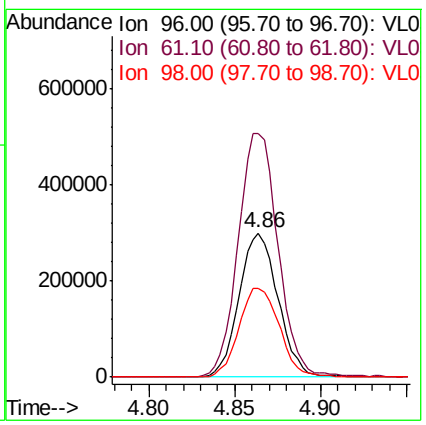


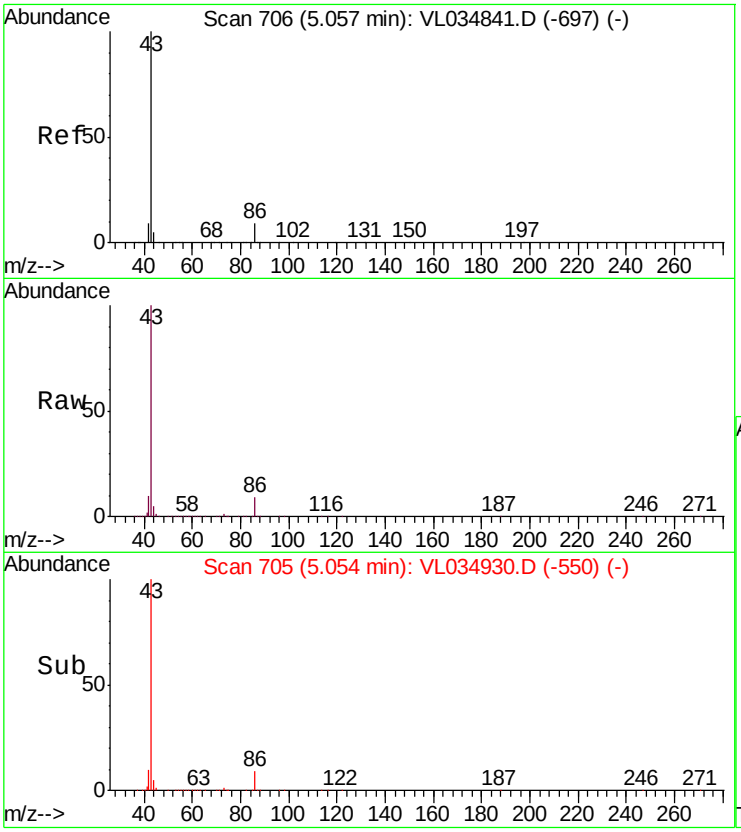




#22
trans-1,2-Dichloroethene
Concen: 10.414 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 96 Resp: 471229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 168.4 | 139.0 | 208.6 |
| 98 | 61.6 | 50.3 | 75.5 |



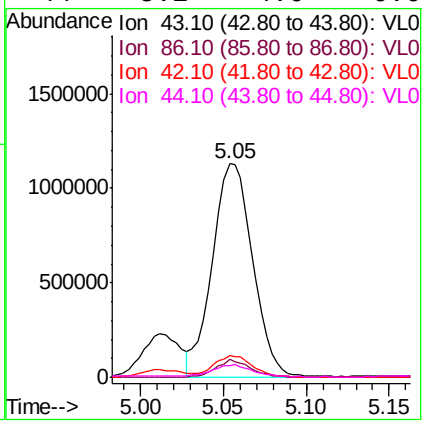


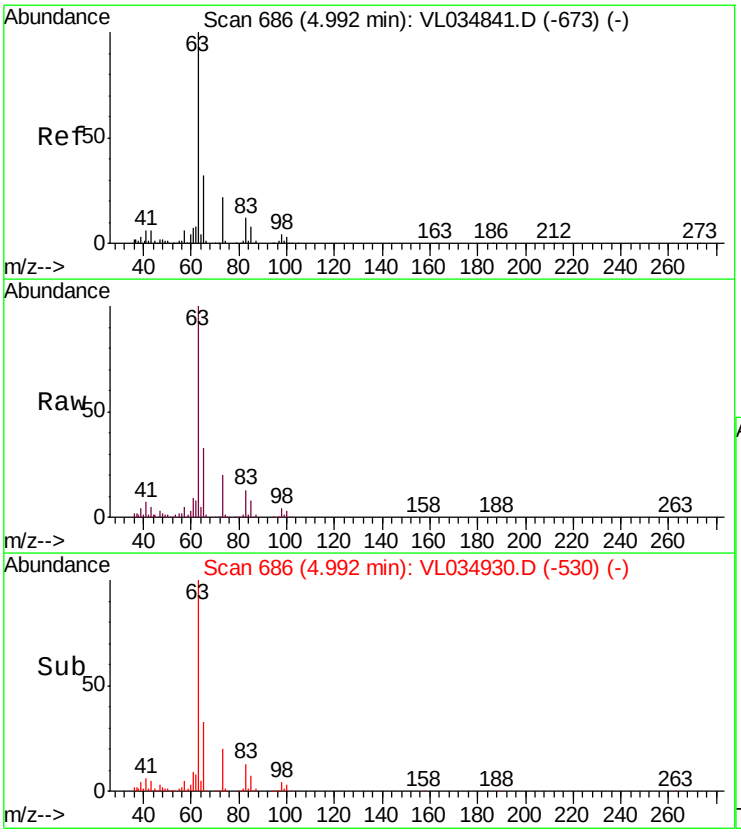

#23
Vinyl Acetate
Concen: 10.097 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 43 Resp: 1909559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 8.5 | 6.3 | 9.5 |
| 42 | 9.9 | 7.8 | 11.8 |
| 44 | 5.2 | 4.0 | 6.0 |

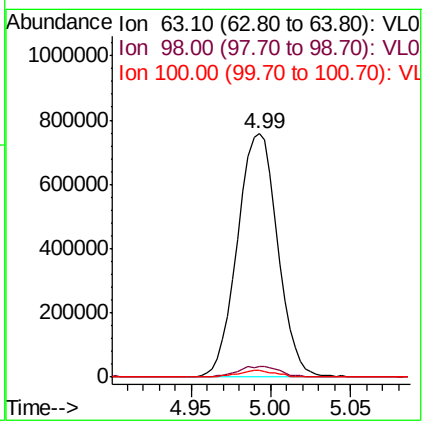


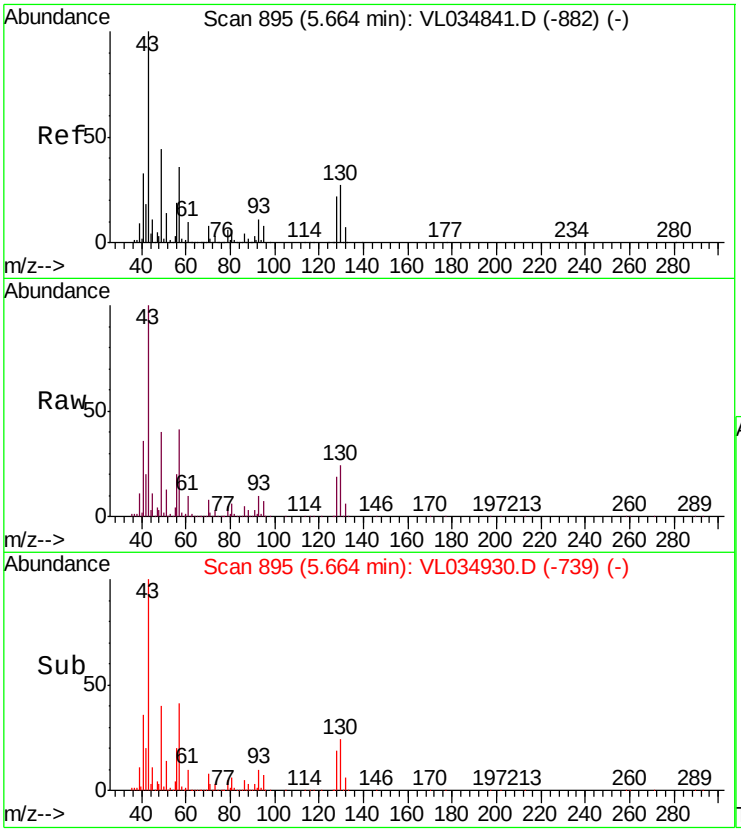




#24
1,1-Dichloroethane
Concen: 10.193 ppbv
RT: 4.99 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 63 Resp: 1292352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.4 | 2.0 | 5.8 |
| 100 | 2.6 | 1.4 | 4.0 |



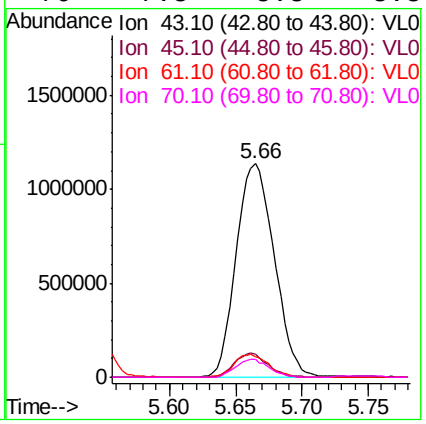


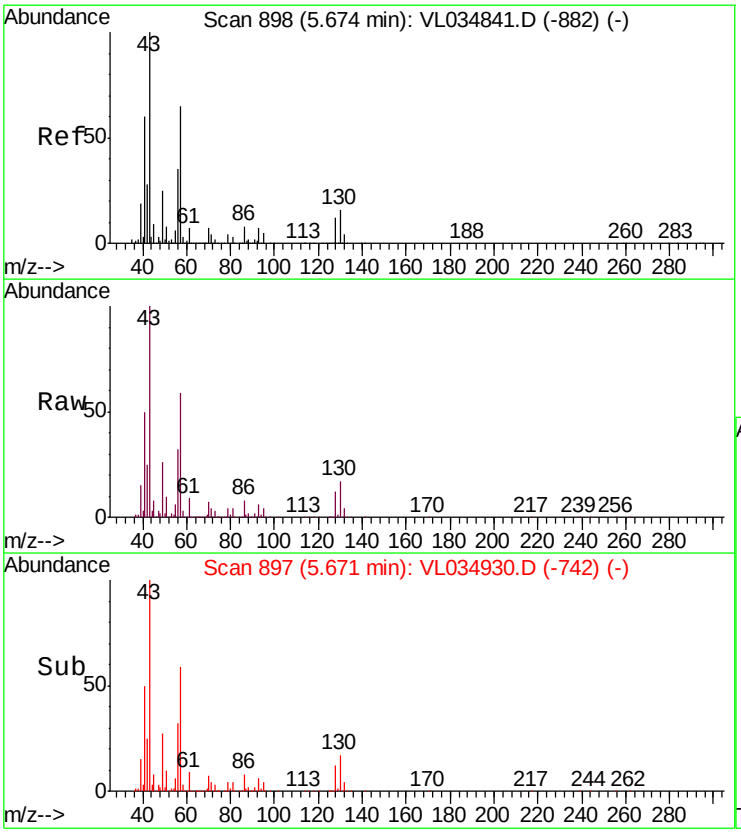

#25
Ethyl Acetate
Concen: 9.957 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 43 Resp: 2271257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 10.0 | 8.2 | 12.2 |
| 61 | 9.8 | 7.8 | 11.6 |
| 70 | 7.3 | 5.8 | 8.8 |

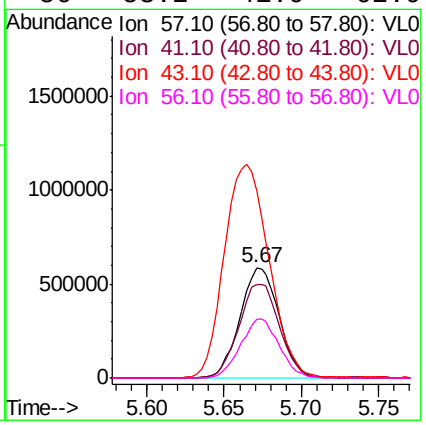


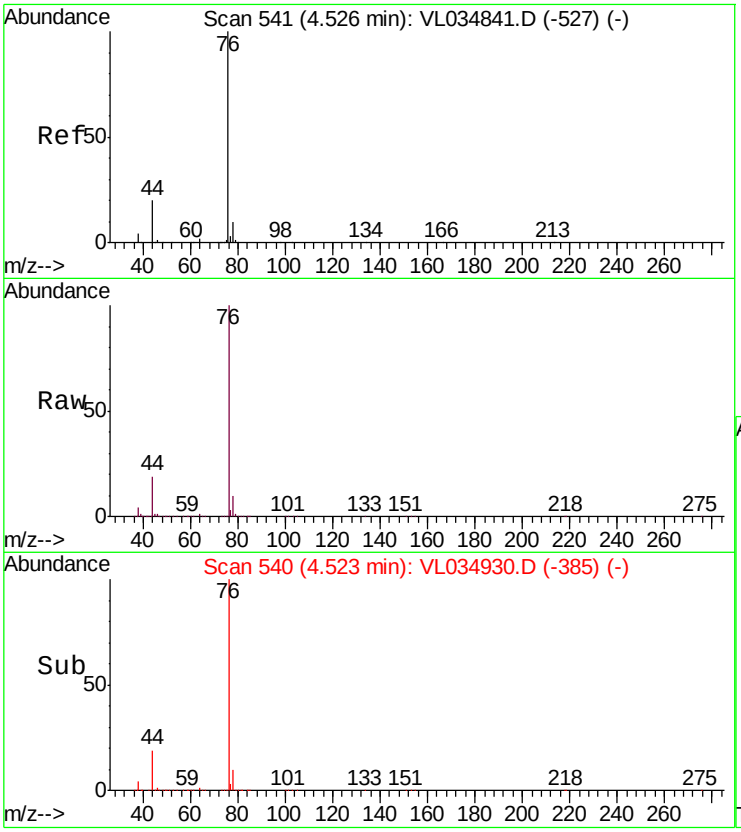




#26
Hexane
Concen: 10.446 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 57 Resp: 1026035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 88.9 | 72.6 | 109.0 |
| 43 | 223.1 | 183.8 | 275.6 |
| 56 | 53.2 | 41.9 | 62.9 |



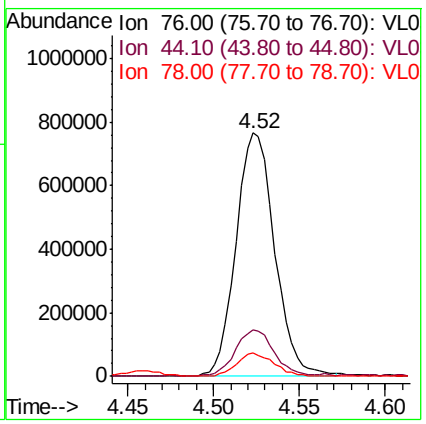


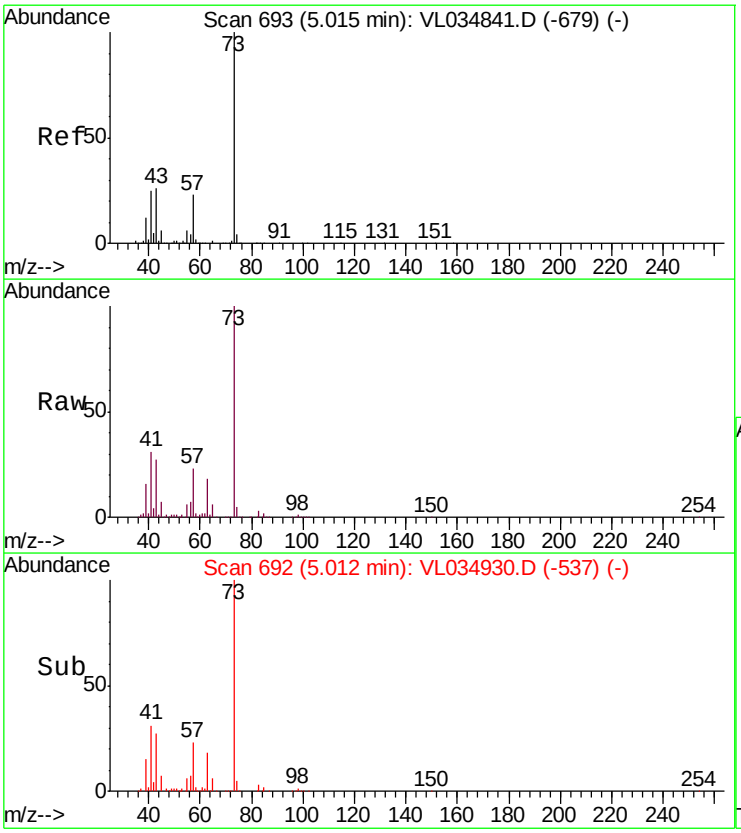

#27
Carbon Disulfide
Concen: 10.735 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 76 Resp: 1196525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 19.1 | 16.2 | 24.2 |
| 78 | 9.5 | 7.8 | 11.6 |

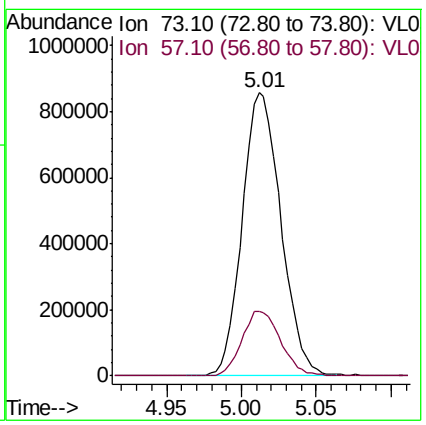


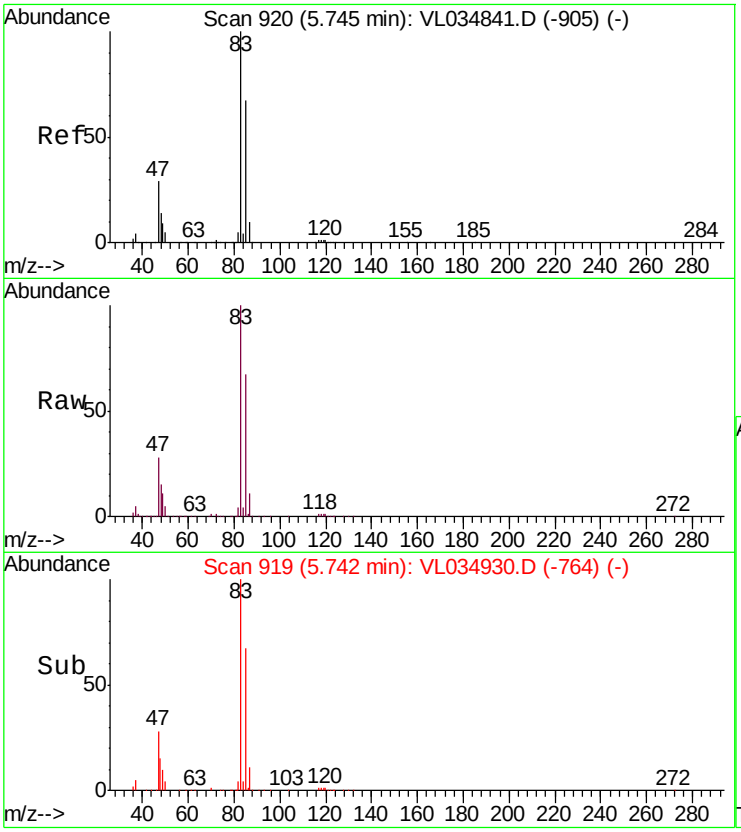




#28
Methyl tert-Butyl Ether
Concen: 9.435 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 73 Resp: 1541922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.1 | 18.3 | 27.5 |



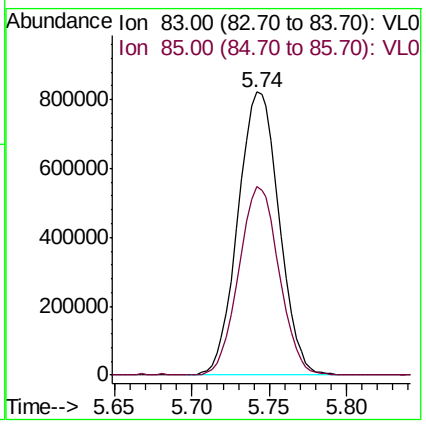


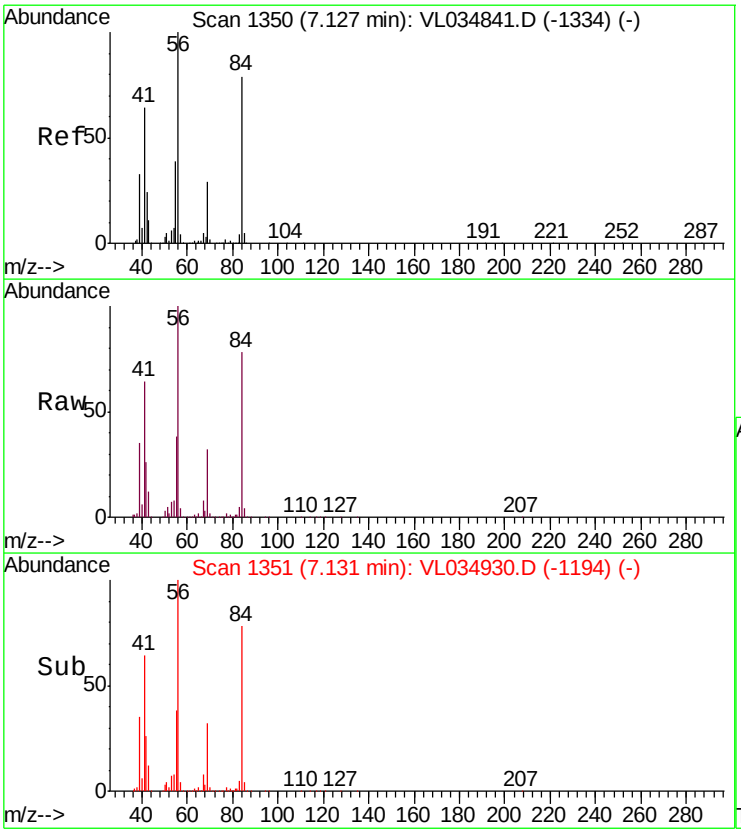

#29
Chloroform
Concen: 10.170 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 83 Resp: 1524108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.7 | 53.8 | 80.6 |

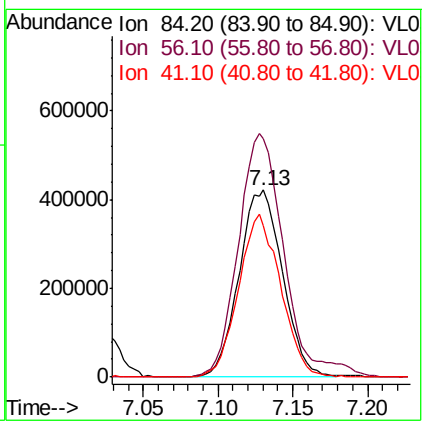


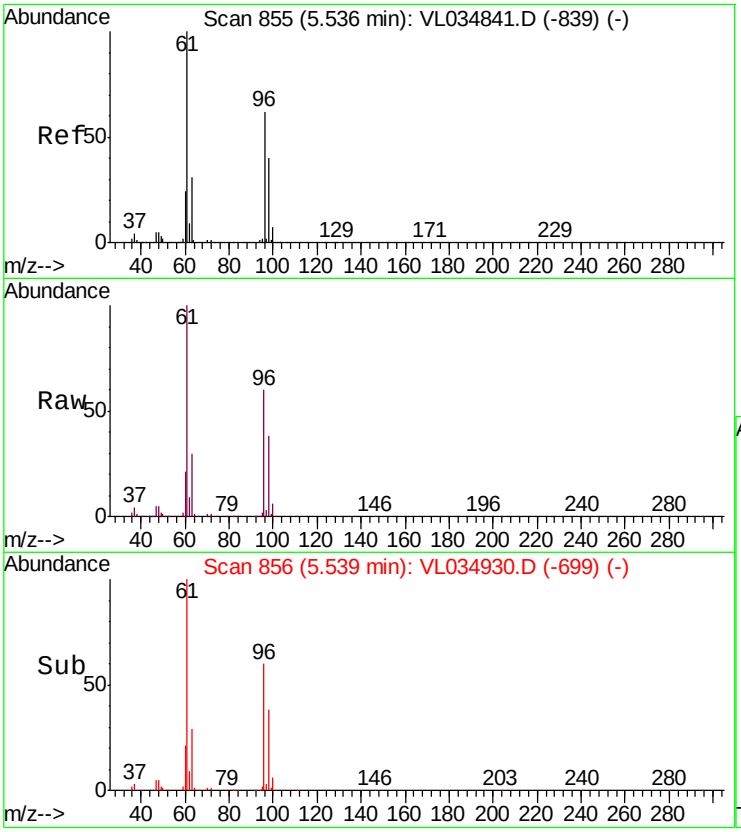




#30
Cyclohexane
Concen: 10.414 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 84 Resp: 853464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 137.1 | 110.5 | 165.7 |
| 41 | 84.5 | 68.2 | 102.4 |



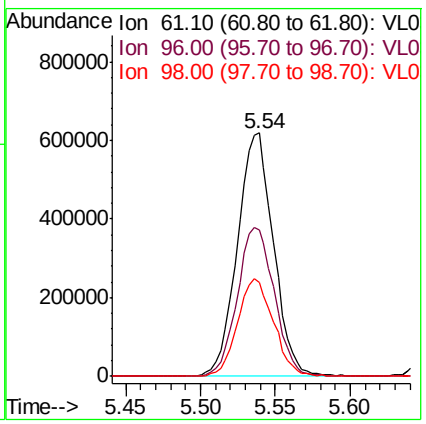


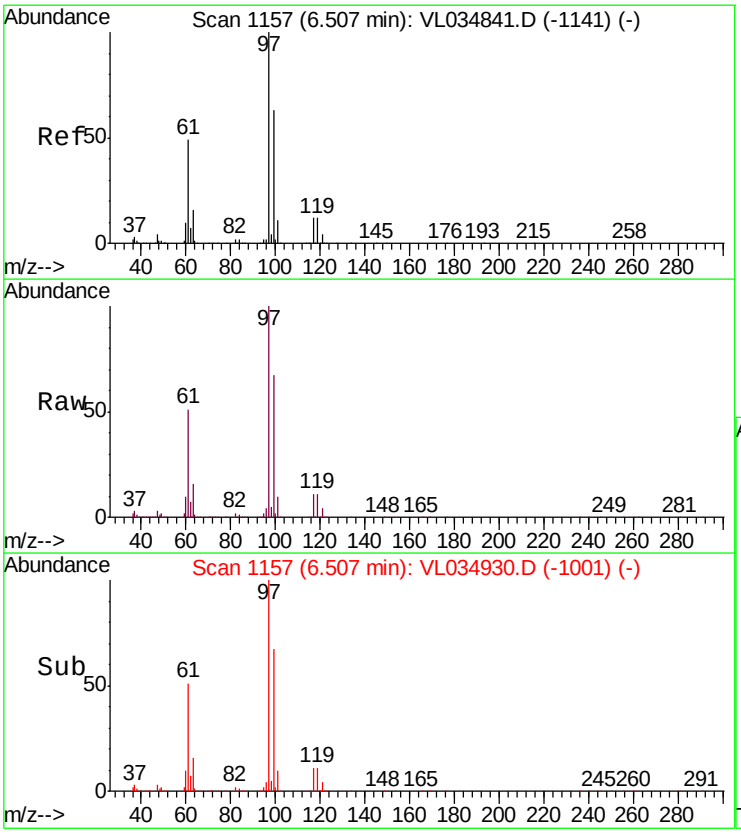

#31
cis-1,2-Dichloroethene
Concen: 10.354 ppbv
RT: 5.54 min Scan# 856
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 61 Resp: 1040068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 59.9 | 49.8 | 74.8 |
| 98 | 38.4 | 32.2 | 48.4 |

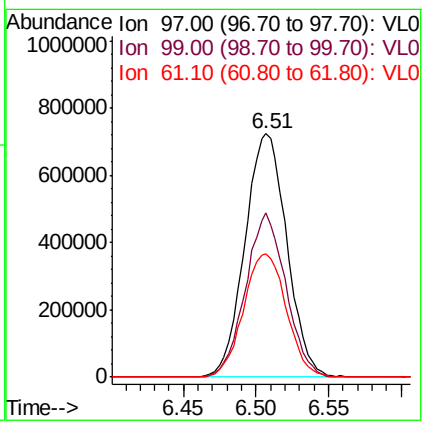


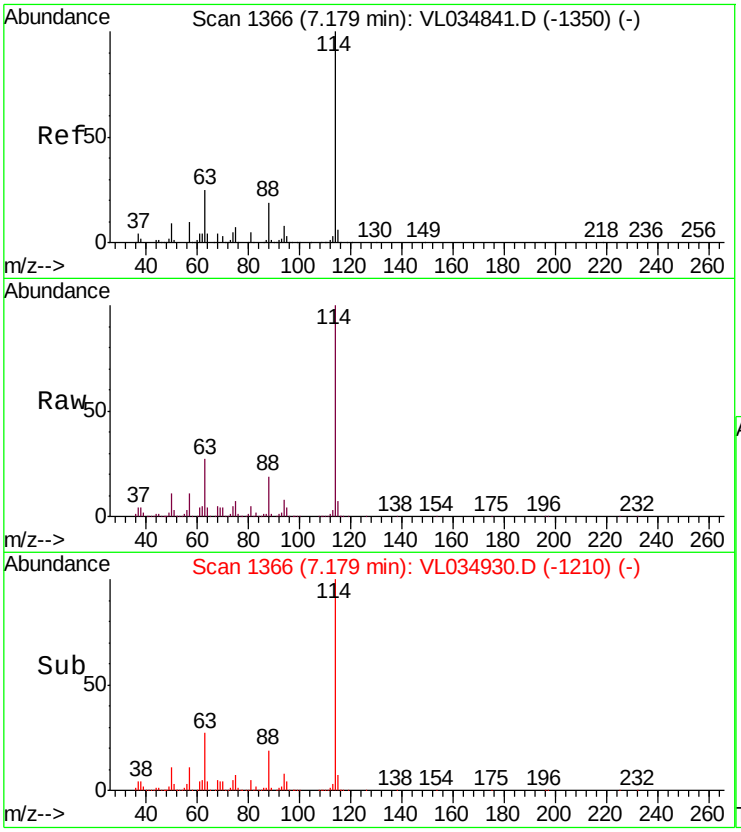




#32
1,1,1-Trichloroethane
Concen: 9.983 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 97 Resp: 1457769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 51.1 | 76.7 |
| 61 | 52.1 | 39.7 | 59.5 |



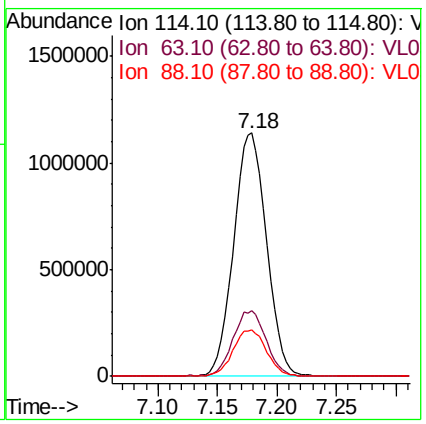


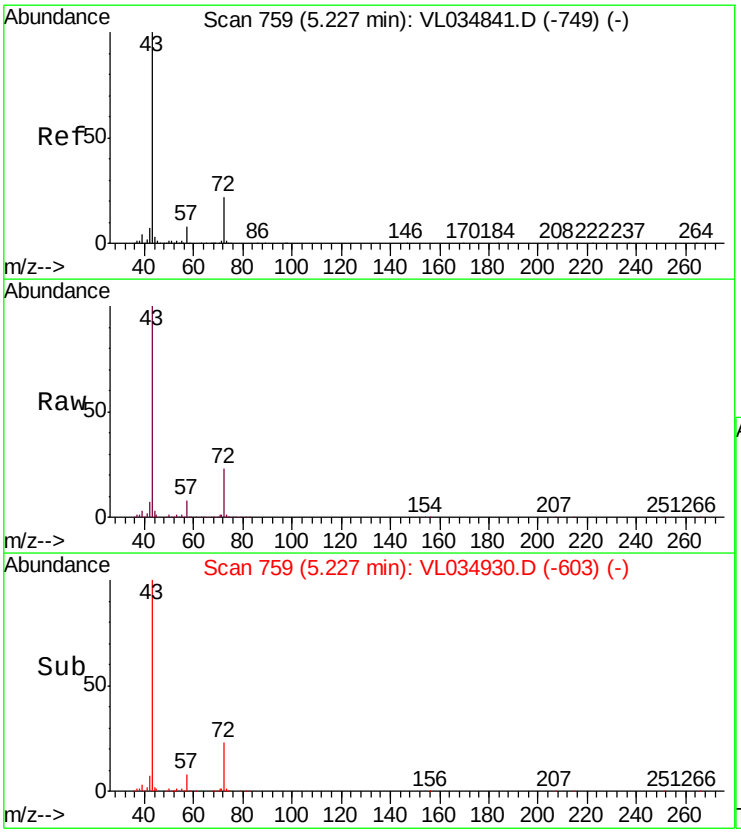

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:114 Resp: 2183602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 27.6 | 20.6 | 31.0 |
| 88 | 19.5 | 15.0 | 22.6 |

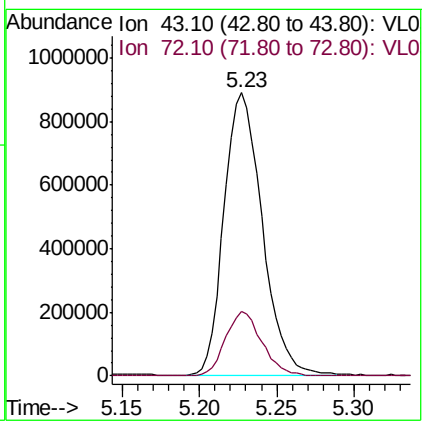


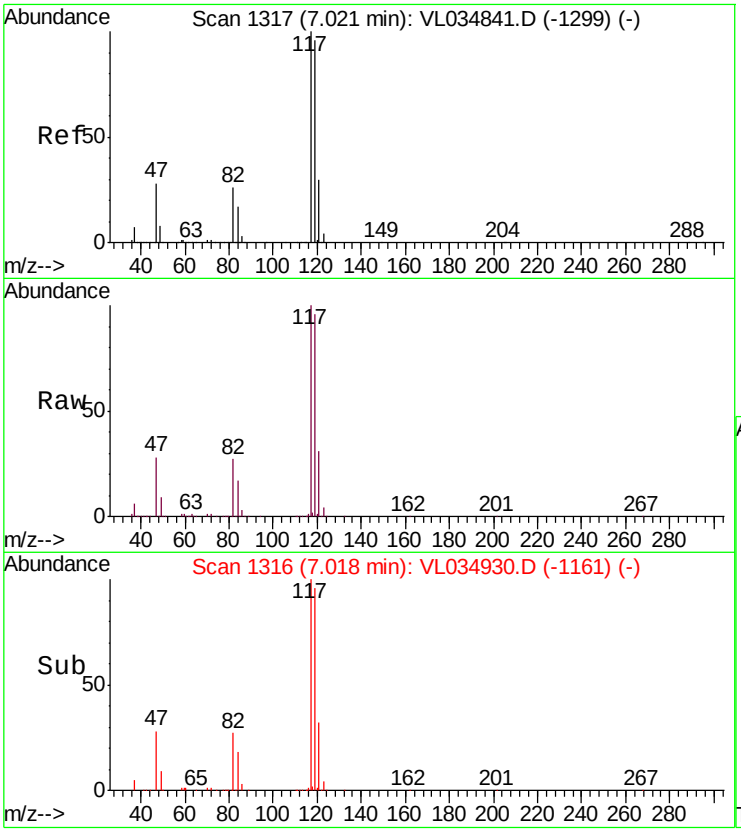




#34
2-Butanone
Concen: 10.516 ppbv
RT: 5.23 min Scan# 759
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 43 Resp: 1525923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.1 | 17.6 | 26.4 |



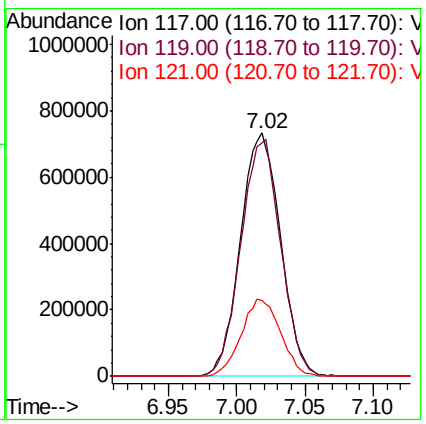


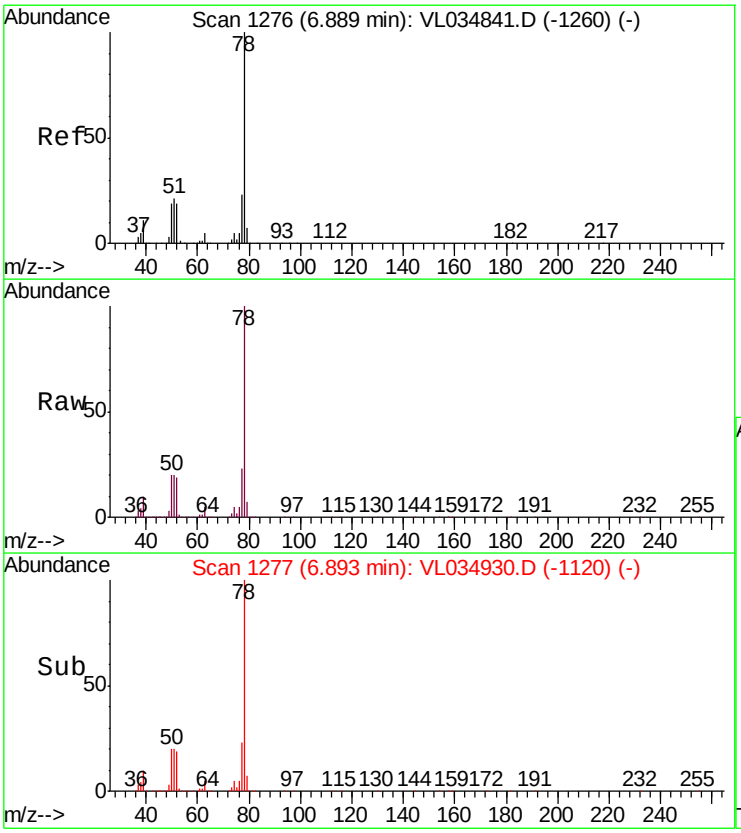

#35
Carbon Tetrachloride
Concen: 10.996 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:117 Resp: 1493424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 77.0 | 115.4 |
| 121 | 31.4 | 24.0 | 36.0 |

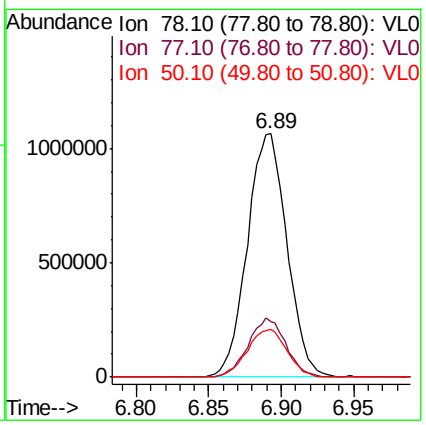


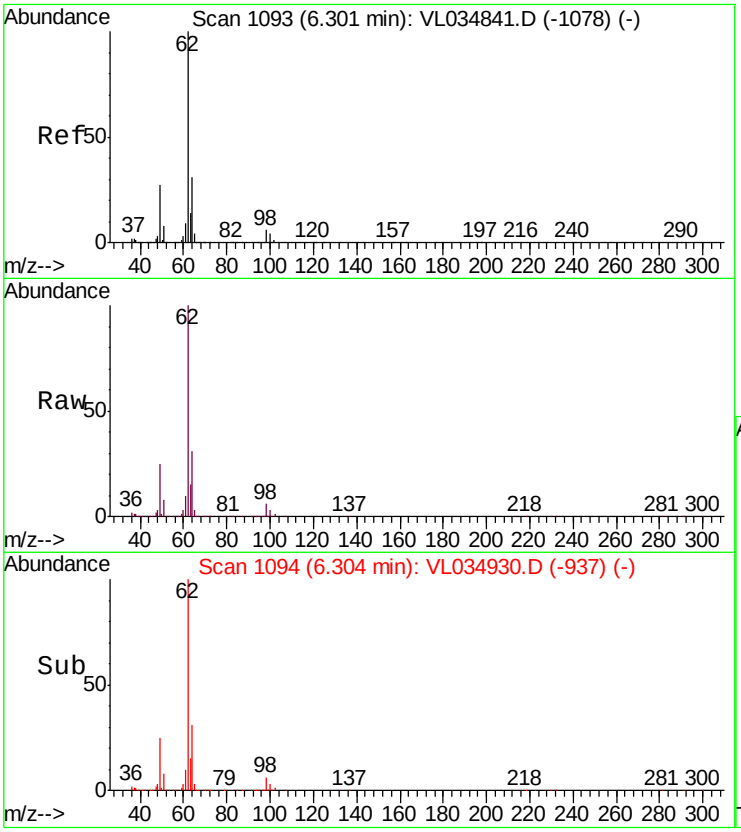




#36
Benzene
Concen: 10.400 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 78 Resp: 2024156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.7 | 18.2 | 27.2 |
| 50 | 19.7 | 15.2 | 22.8 |



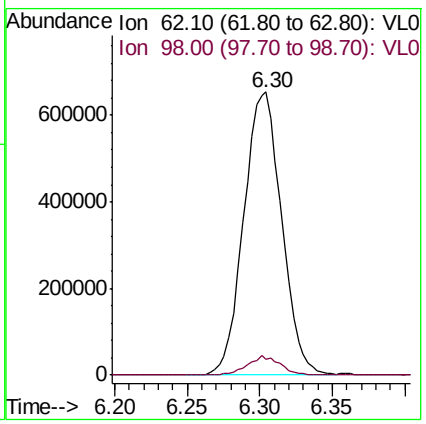


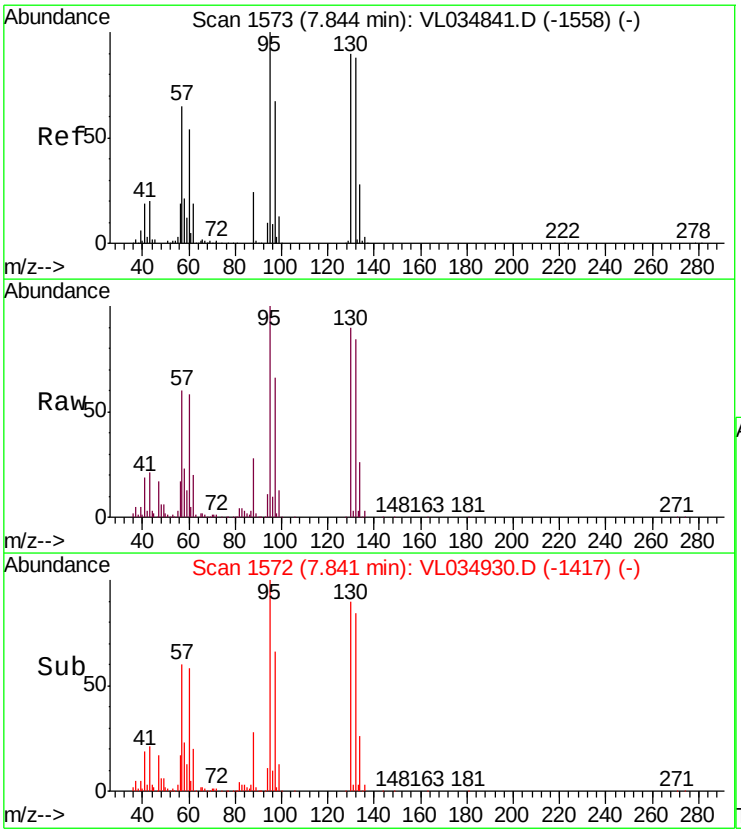

#37
1,2-Dichloroethane
Concen: 10.829 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 62 Resp: 1188466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 6.1 | 5.2 | 7.8 |

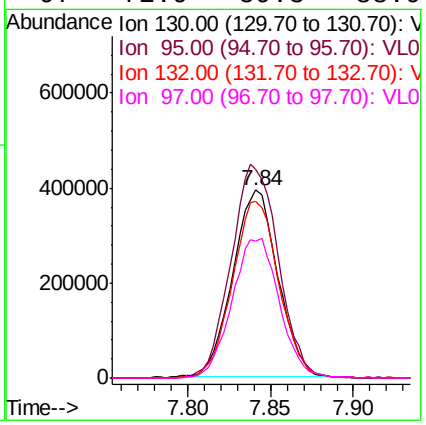


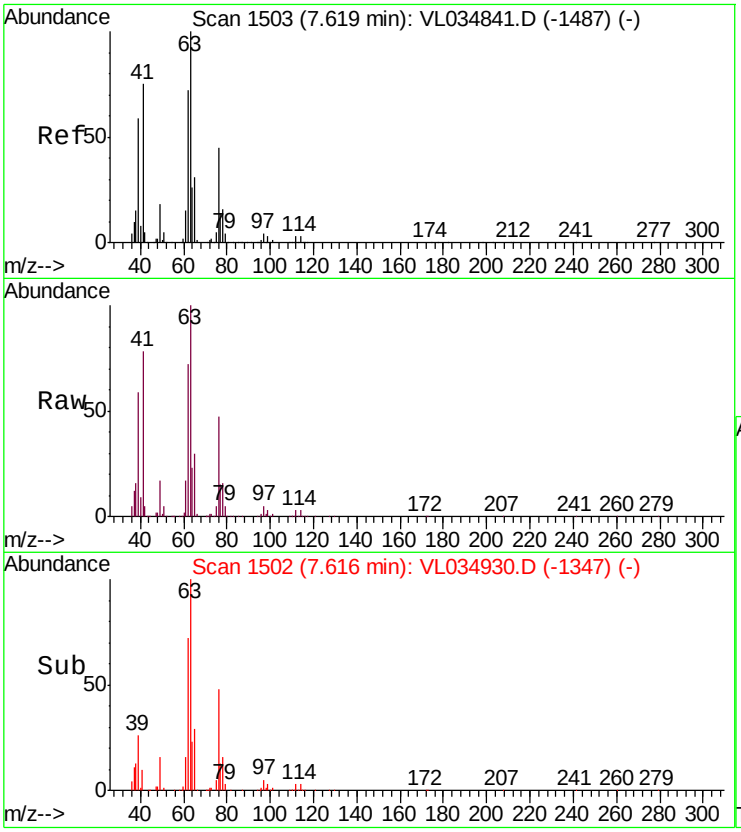




#38
Trichloroethene
Concen: 10.072 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:130 Resp: 744496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 111.1 | 88.5 | 132.7 |
| 132 | 93.9 | 78.0 | 117.0 |
| 97 | 72.9 | 59.3 | 88.9 |



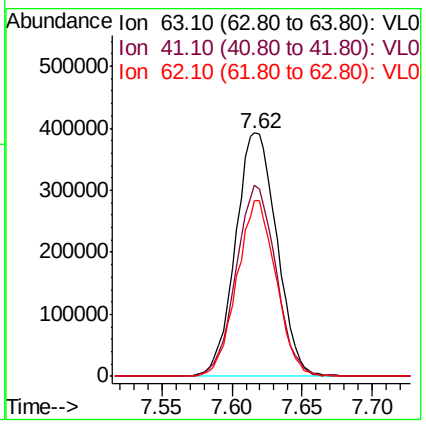


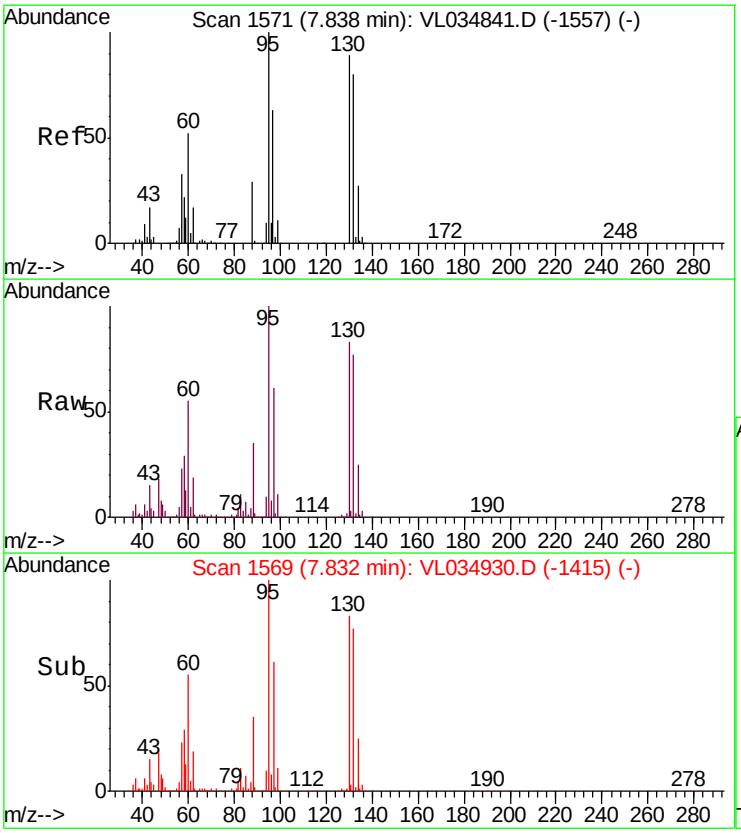

#39
1,2-Dichloropropane
Concen: 10.416 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 63 Resp: 803224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 78.3 | 59.8 | 89.8 |
| 62 | 72.2 | 57.6 | 86.4 |

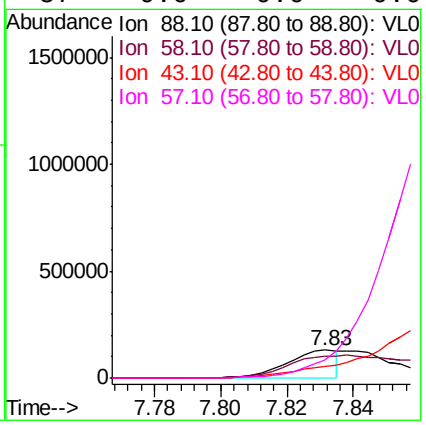


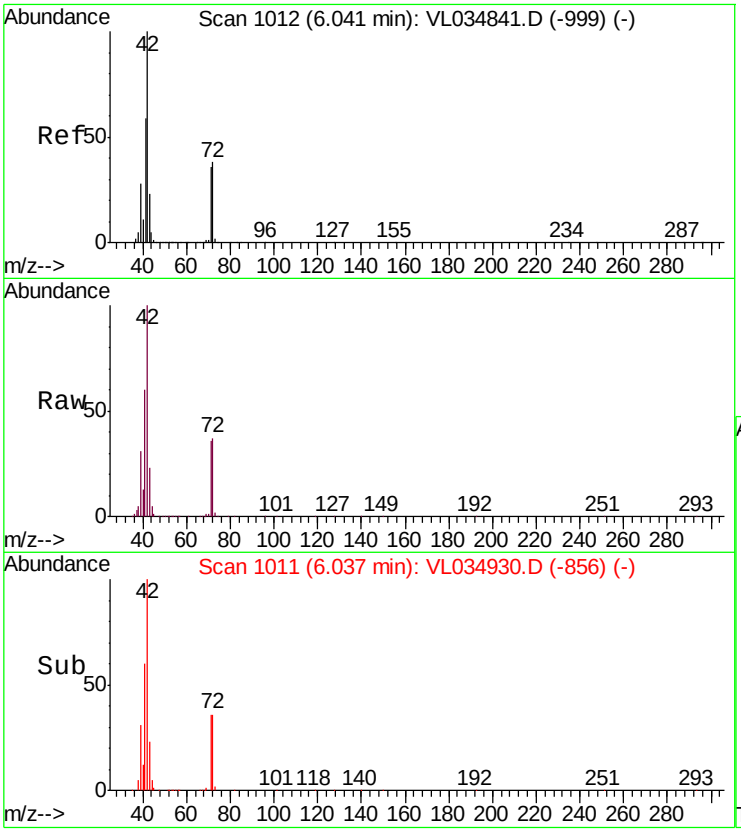




#40
1,4-Dioxane
Concen: 4.777 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 88 Resp: 139124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 103.9 | 155.9# |
| 43 | 0.0 | 0.0 | 0.0 |
| 57 | 0.0 | 0.0 | 0.0 |



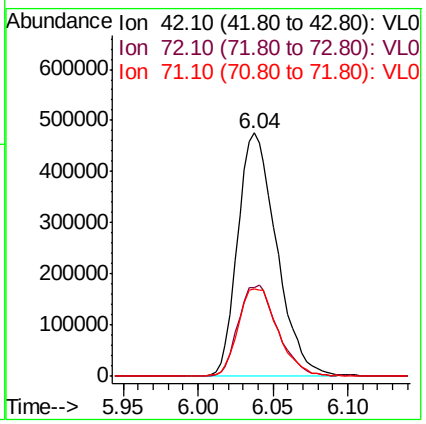


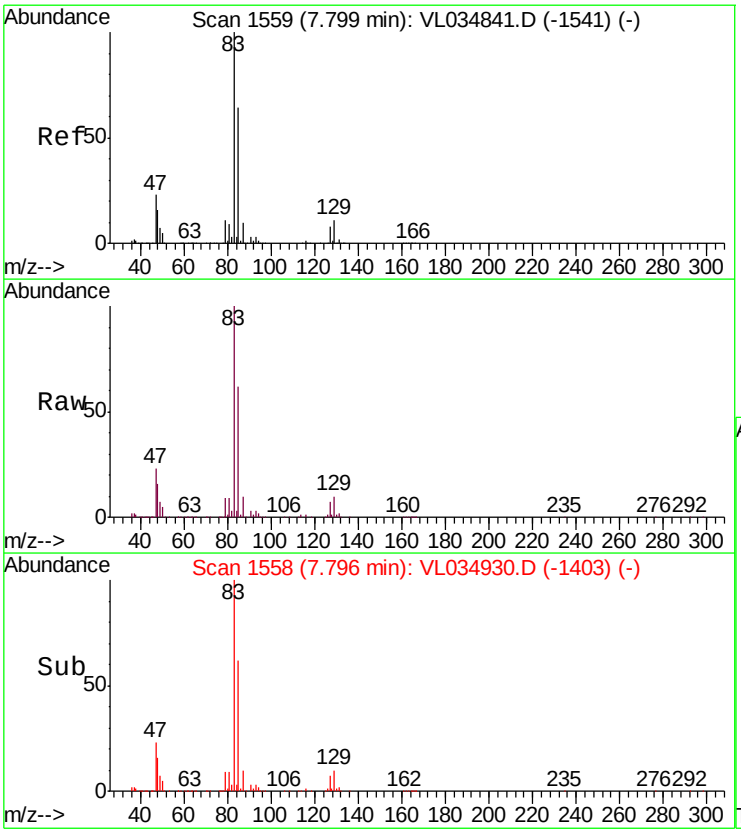

#41
Tetrahydrofuran
Concen: 10.963 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 42 Resp: 860771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.1 | 30.8 | 46.2 |
| 71 | 37.4 | 30.1 | 45.1 |

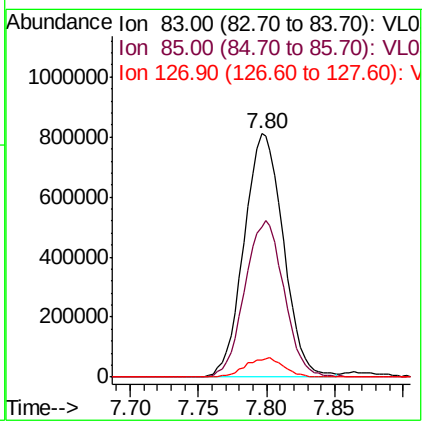


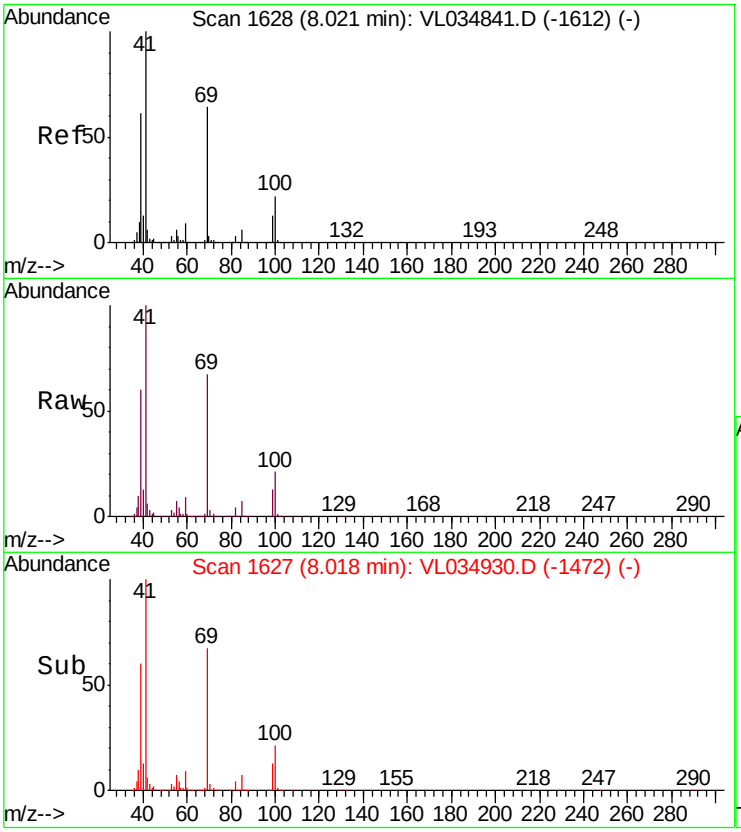




#42
Bromodichloromethane
Concen: 10.853 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 83 Resp: 1623401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.6 | 51.4 | 77.2 |
| 127 | 7.2 | 6.2 | 9.4 |



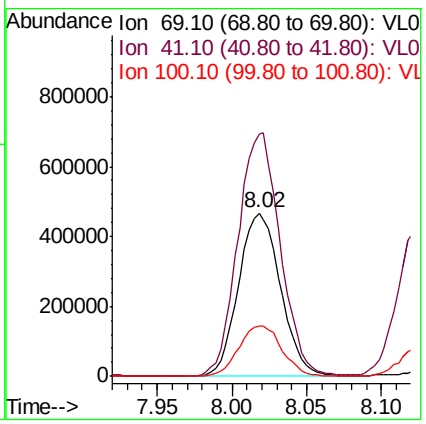


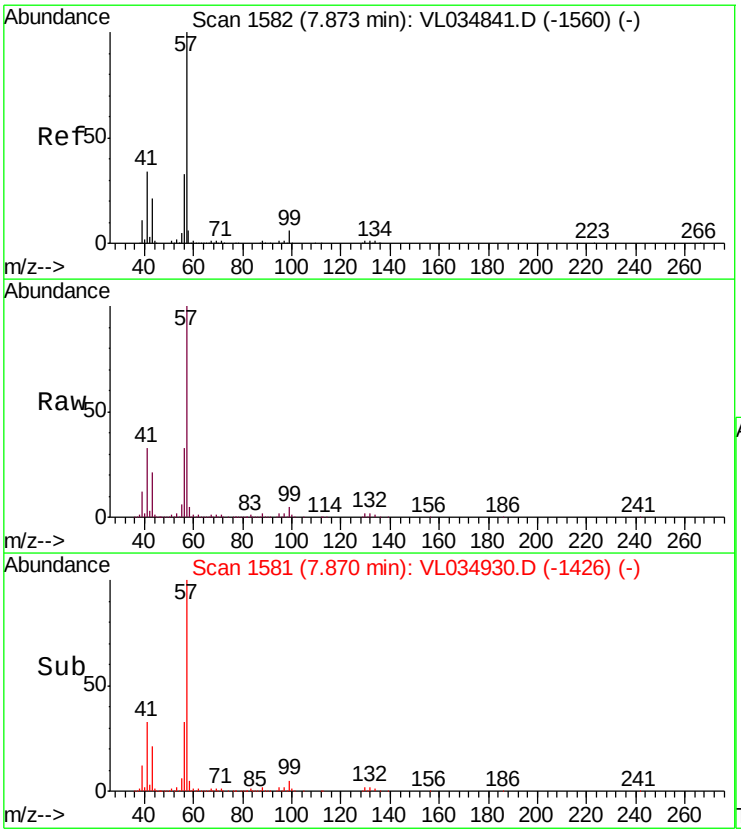

#43
Methyl Methacrylate
Concen: 11.131 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 69 Resp: 912709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 149.7 | 123.2 | 184.8 |
| 100 | 31.8 | 26.9 | 40.3 |

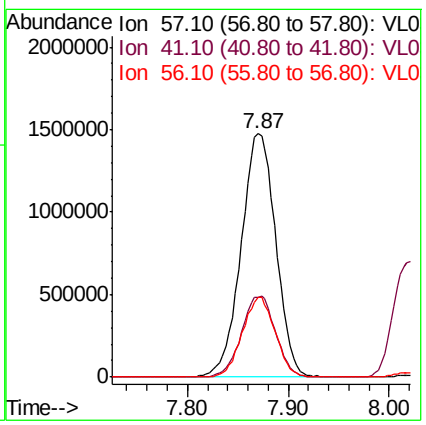


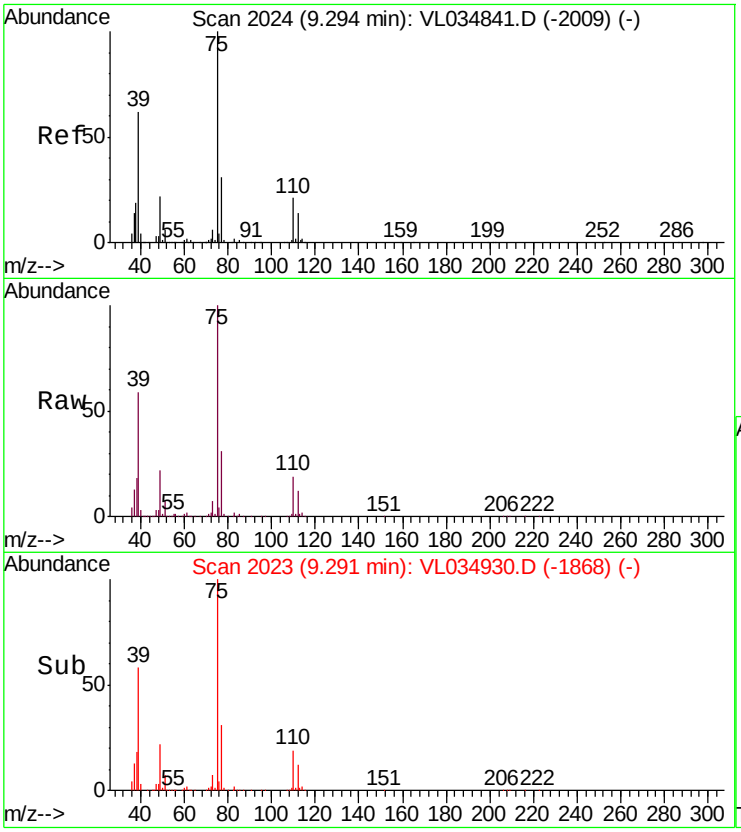




#44
2,2,4-Trimethylpentane
Concen: 10.671 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 57 Resp: 3509697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 32.9 | 26.2 | 39.4 |
| 56 | 31.2 | 25.0 | 37.4 |



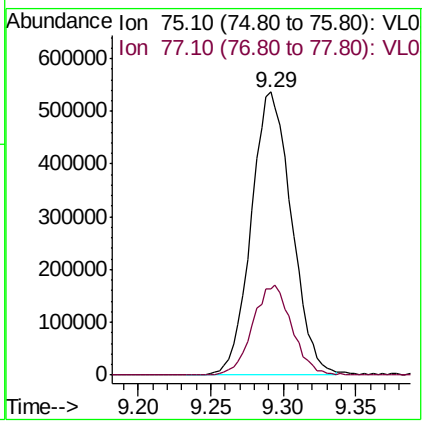


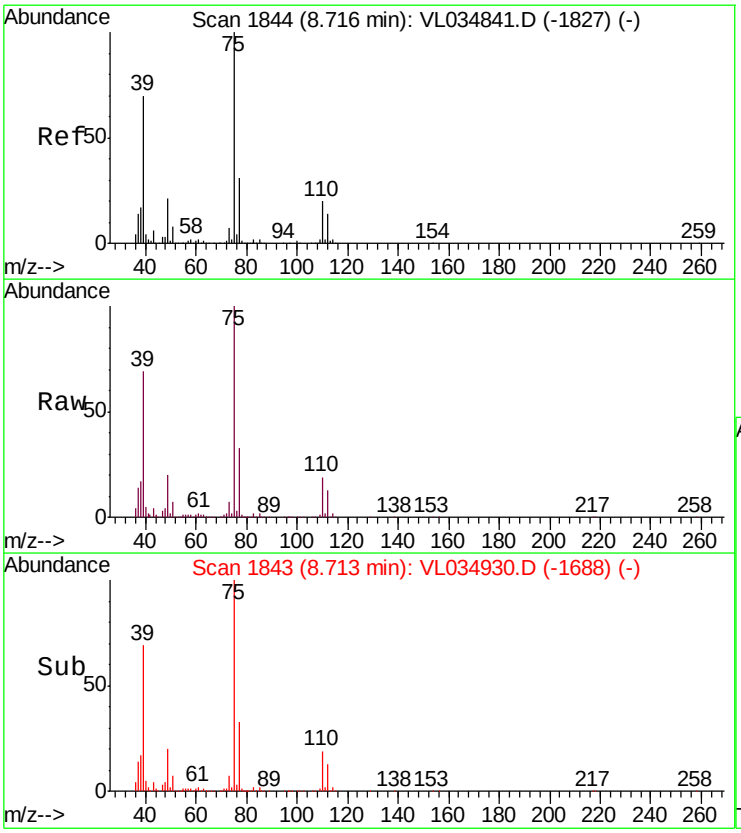

#45
t-1,3-Dichloropropene
Concen: 10.789 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 75 Resp: 1039336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 24.6 | 37.0 |

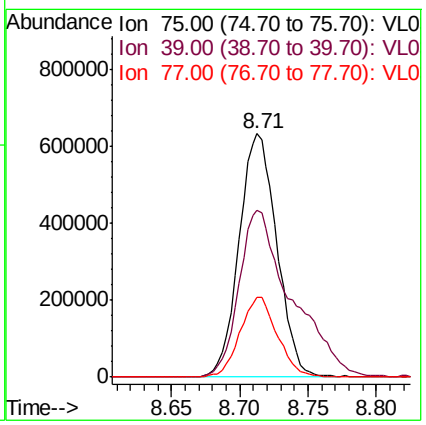


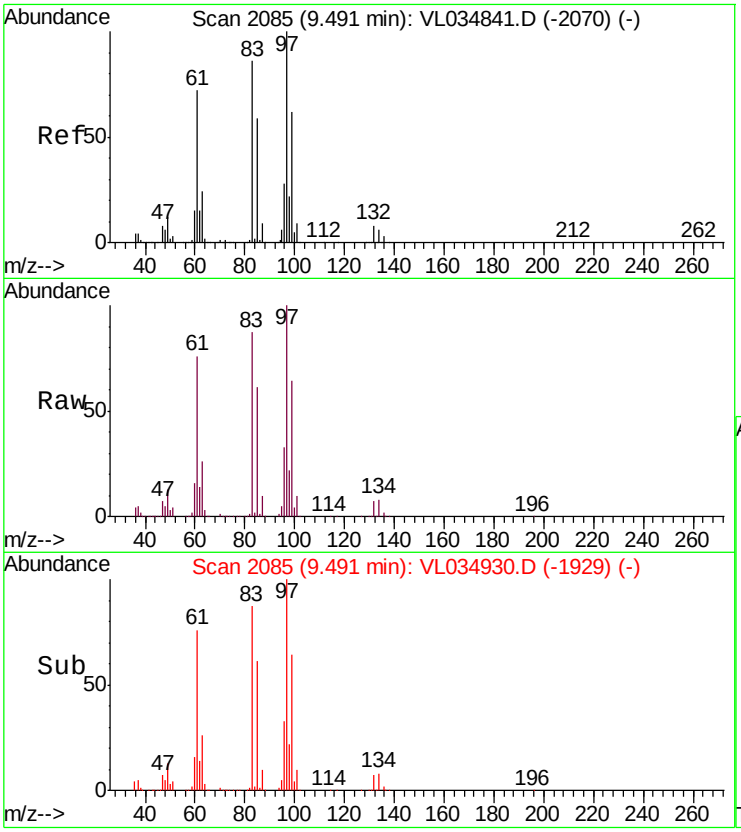




#46
cis-1,3-Dichloropropene
Concen: 10.576 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 75 Resp: 1210766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 68.7 | 55.7 | 83.5 |
| 77 | 32.5 | 24.7 | 37.1 |



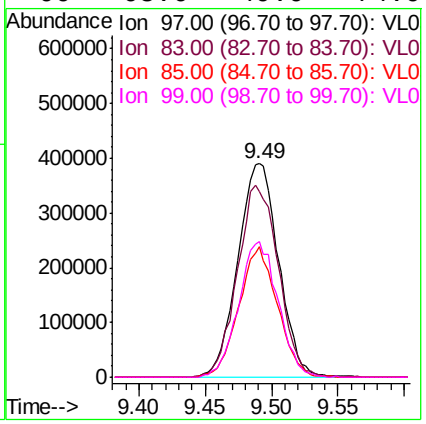


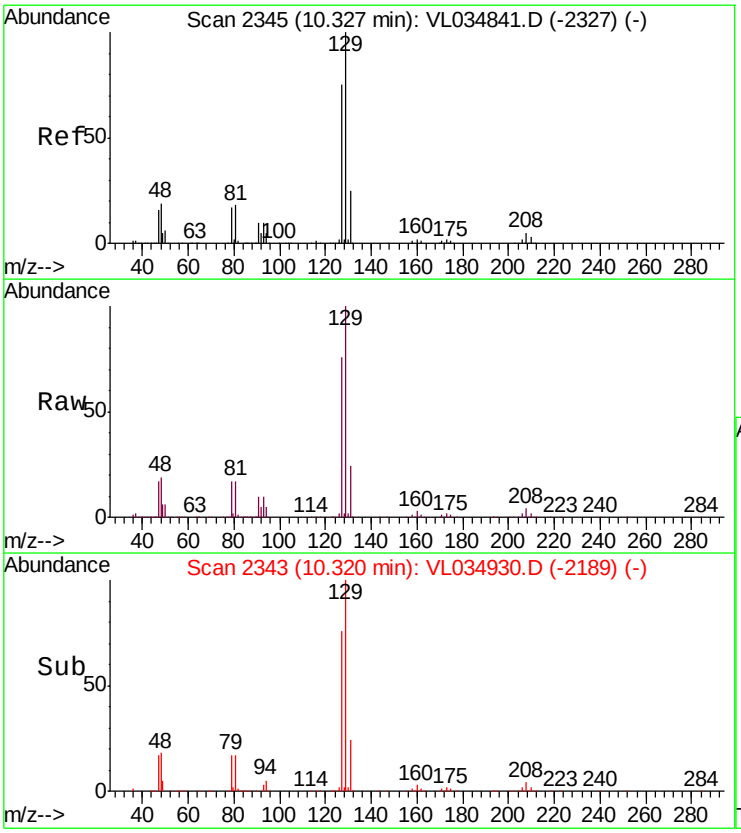

#47
1,1,2-Trichloroethane
Concen: 10.505 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 97 Resp: 831338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.2 | 68.6 | 102.8 |
| 85 | 61.0 | 46.9 | 70.3 |
| 99 | 63.6 | 49.9 | 74.9 |

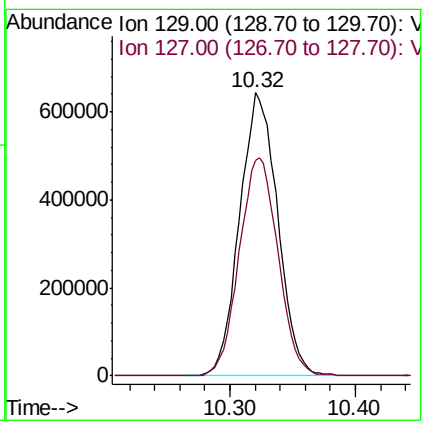


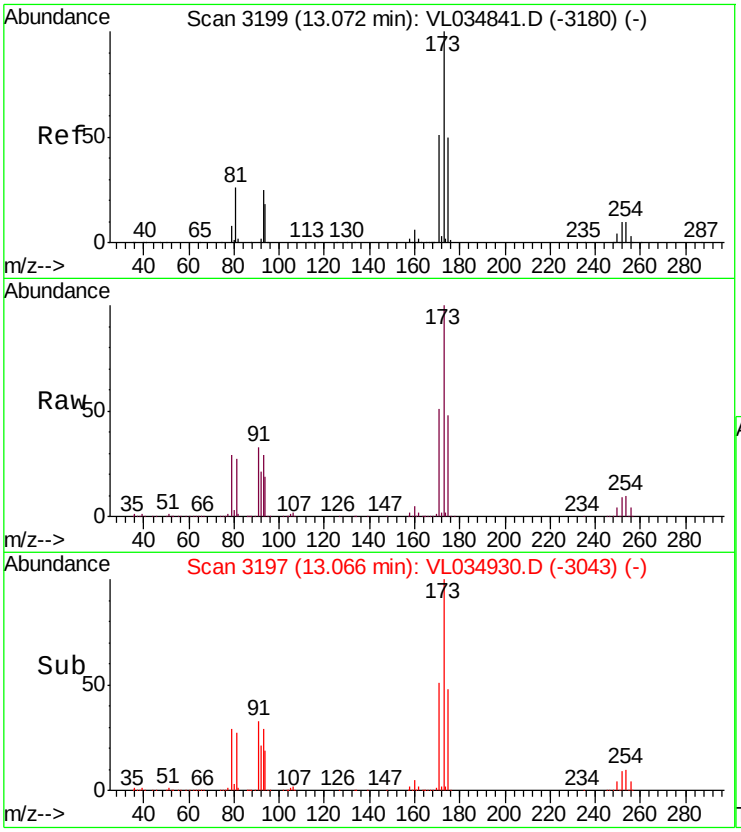




#48
Dibromochloromethane
Concen: 10.606 ppbv
RT: 10.32 min Scan# 2343
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:129 Resp: 1359252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.8 | 39.6 | 118.7 |



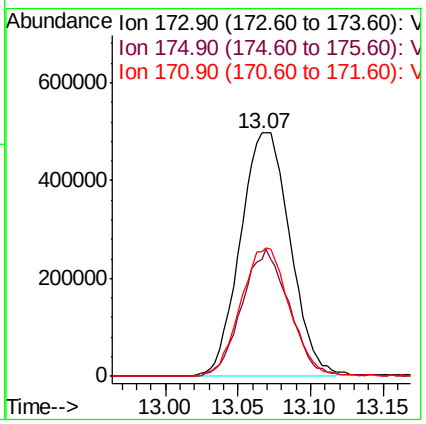


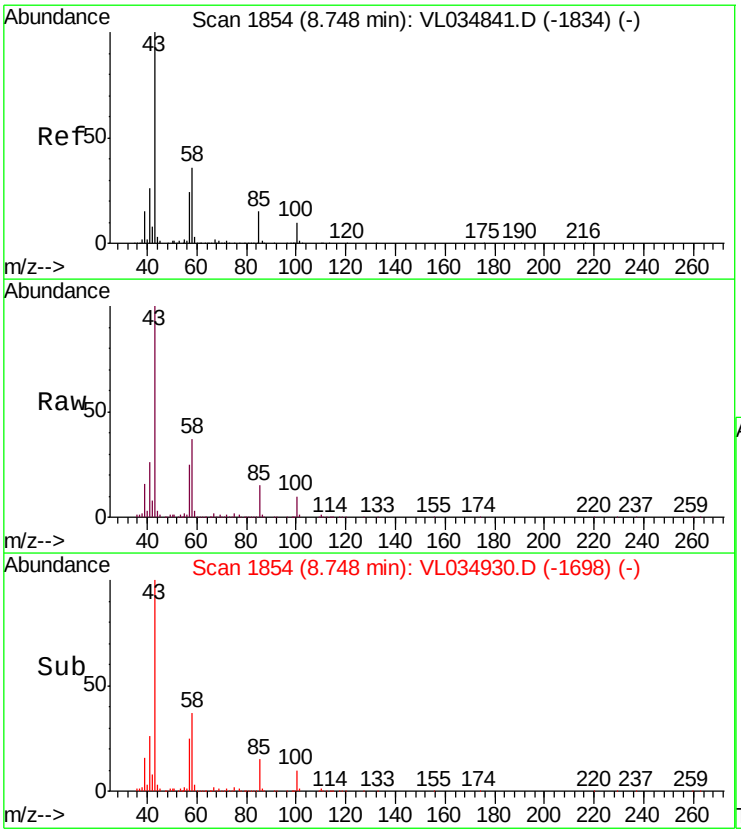

#49
Bromoform
Concen: 10.385 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion:173 Resp: 1186709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.8 | 39.6 | 59.4 |
| 171 | 52.4 | 41.0 | 61.6 |

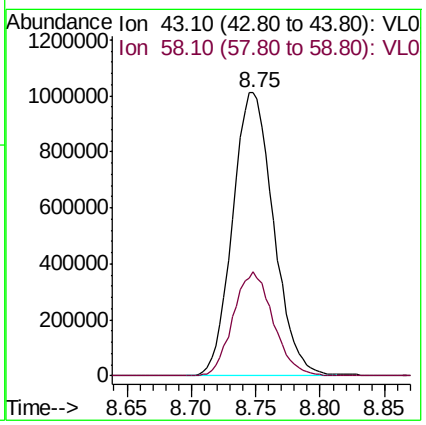


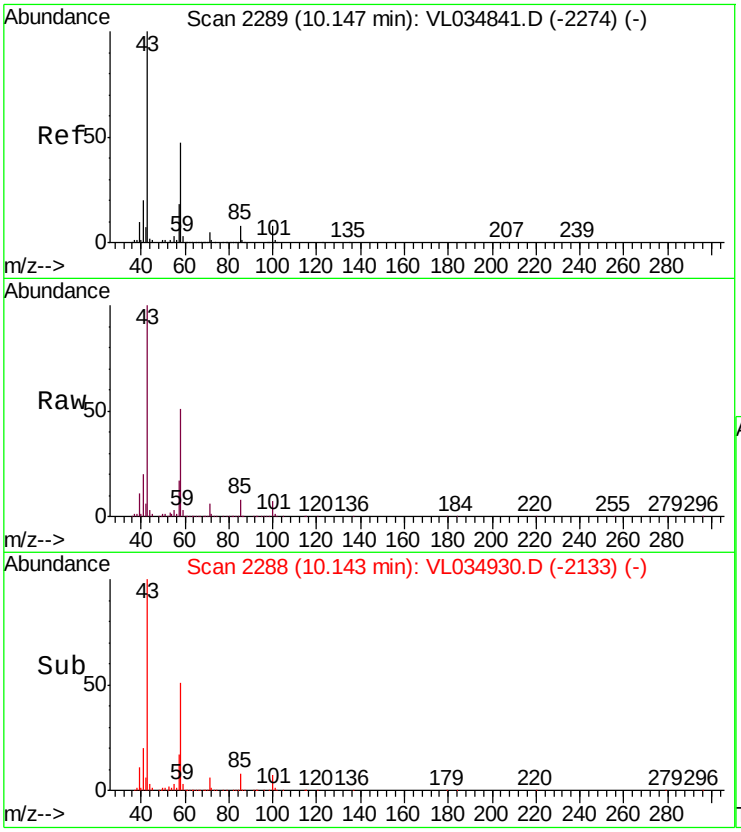




#50
4-Methyl-2-Pentanone
Concen: 10.702 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 43 Resp: 2235533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 28.6 | 42.8 |



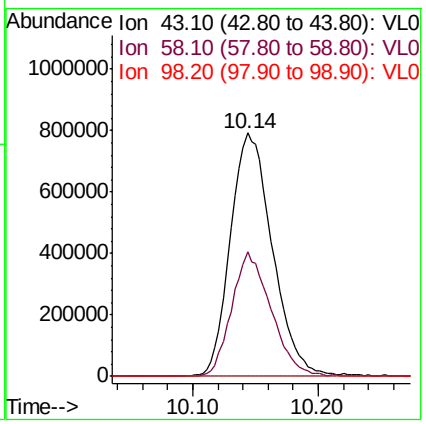


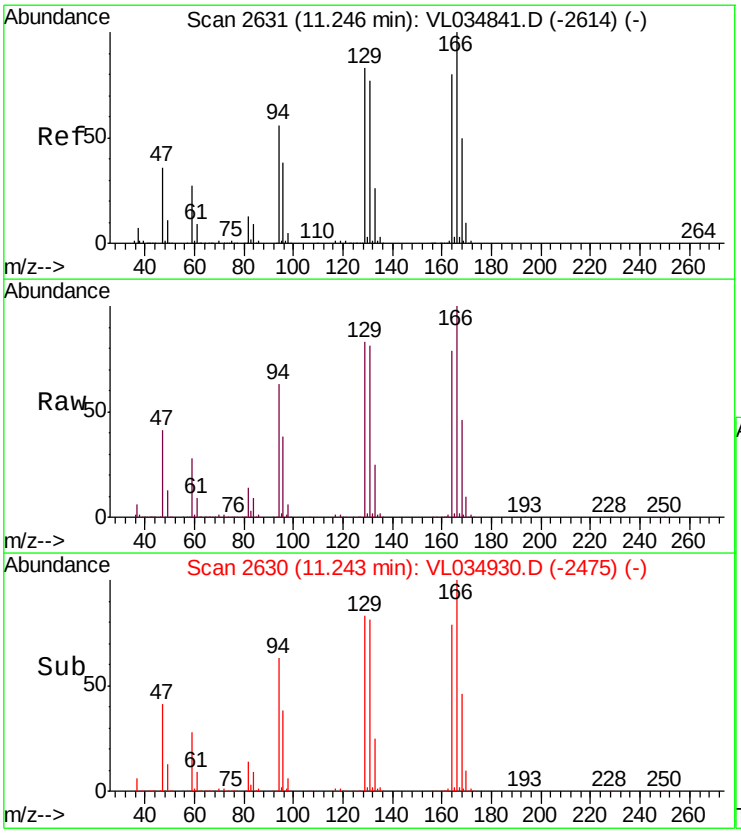

#51
2-Hexanone
Concen: 10.835 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 43 Resp: 1839437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.2 | 38.6 | 58.0 |
| 98 | 0.3 | 0.1 | 0.1# |

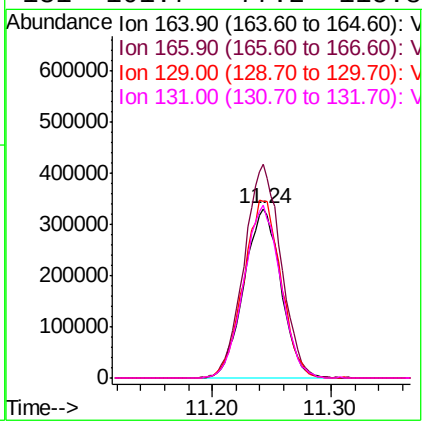


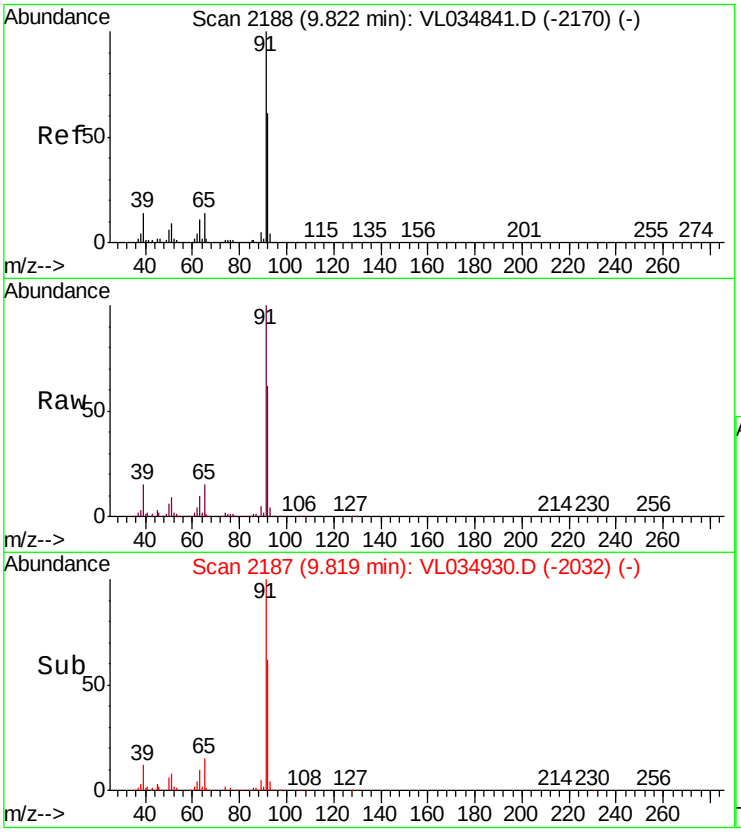




#52
Tetrachloroethene
Concen: 9.241 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:164 Resp: 711551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.1 | 100.0 | 150.0 |
| 129 | 104.2 | 83.1 | 124.7 |
| 131 | 101.7 | 77.2 | 115.8 |



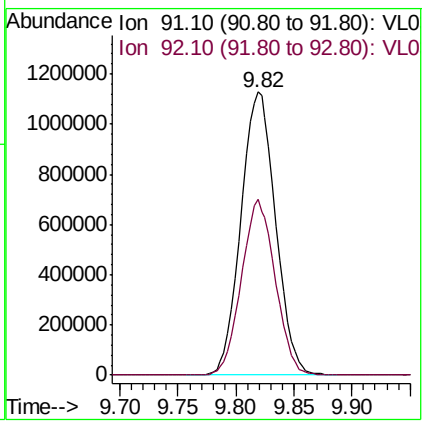


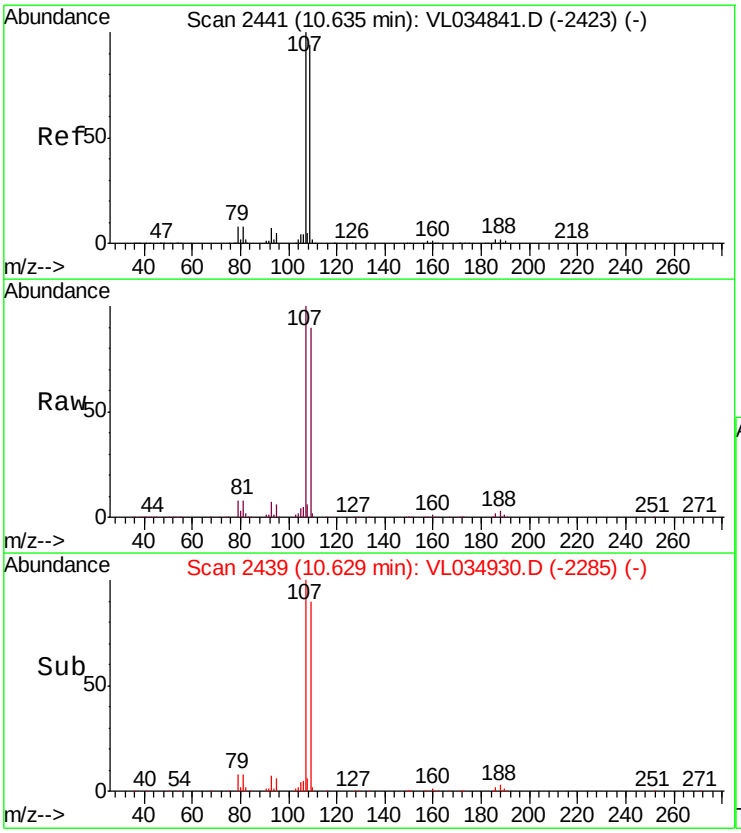

#53
Toluene
Concen:  10.435 ppbv
RT: 9.82 min  Scan# 2187
Delta R.T.  -0.00 min
Lab File:  VL034930.D
Acq: 23 Mar 2020  14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 91 Resp: 2345332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 60.5 | 48.6 | 72.8 |

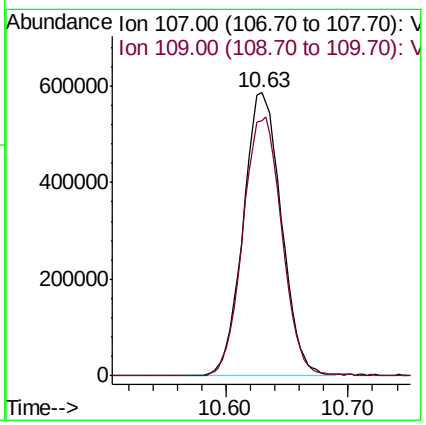


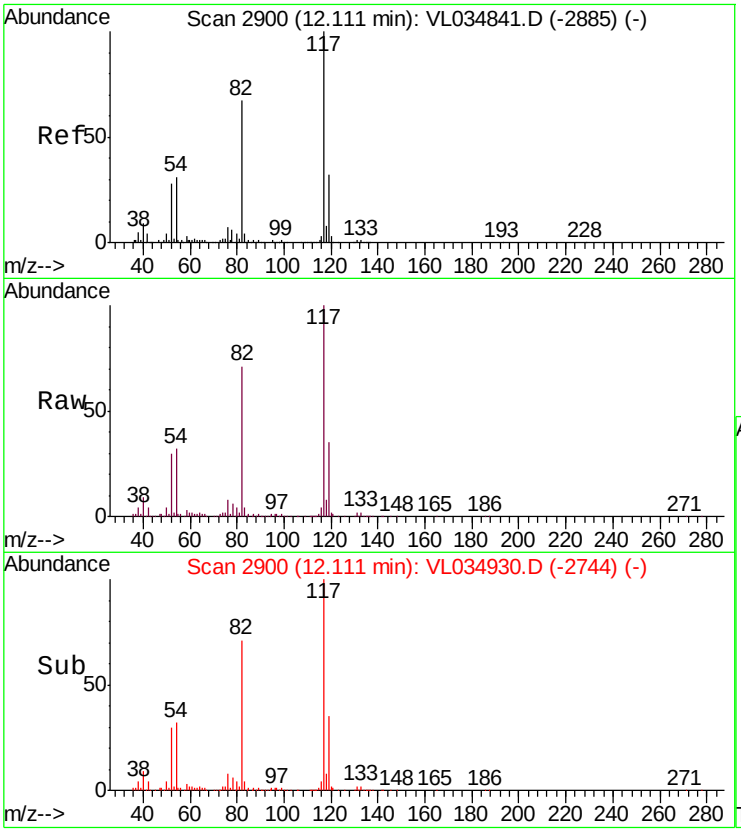




#54
1,2-Dibromoethane
Concen:  10.611 ppbv
RT: 10.63 min  Scan# 2439
Delta R.T.  -0.01 min
Lab File:  VL034930.D
Acq: 23 Mar 2020  14:36

Tgt Ion:107 Resp: 1264057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 90.4 | 74.9 | 112.3 |



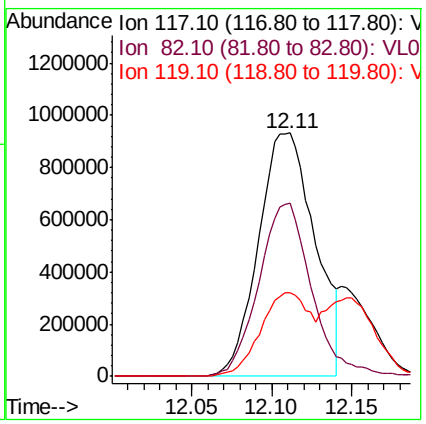


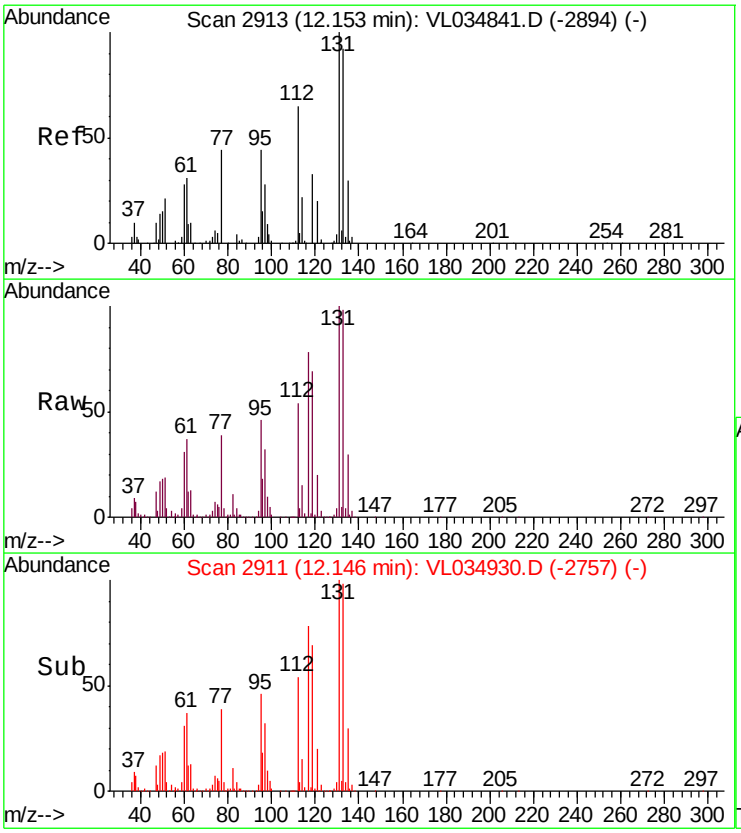

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion:117 Resp: 2295692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 66.7 | 51.1 | 76.7 |
| 119 | 31.8 | 27.3 | 40.9 |

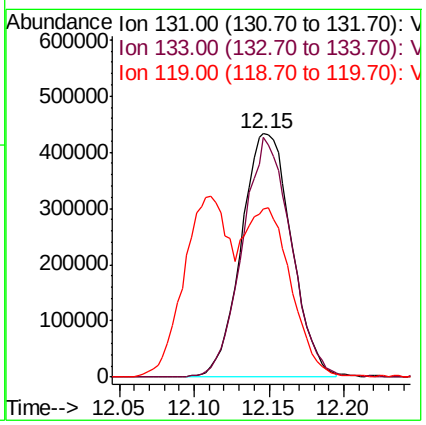


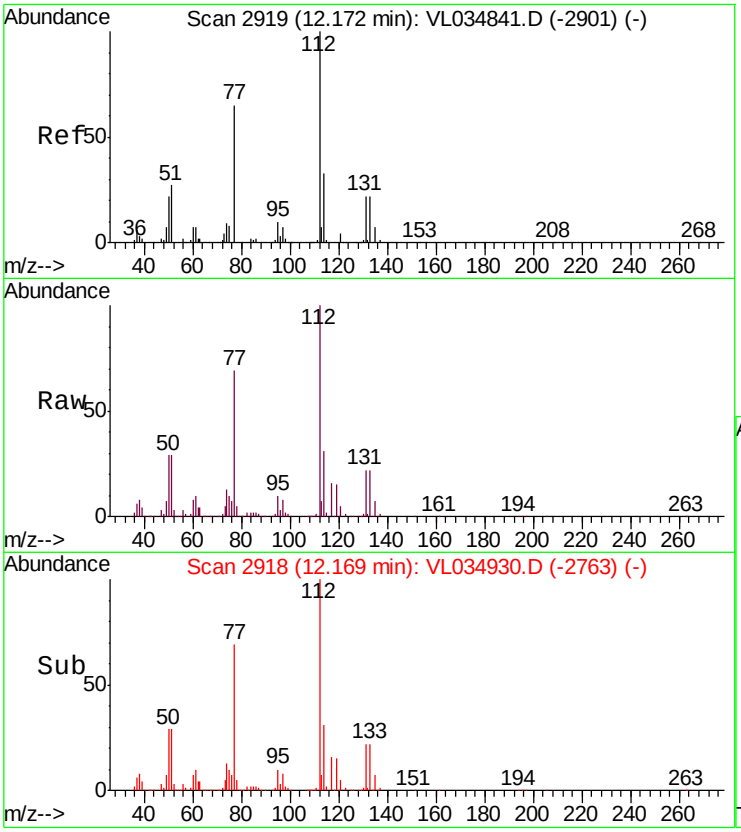




#56
1,1,1,2-Tetrachloroethane
Concen: 9.806 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:131 Resp: 1011195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.8 | 76.0 | 114.0 |
| 119 | 56.8 | 47.8 | 71.8 |



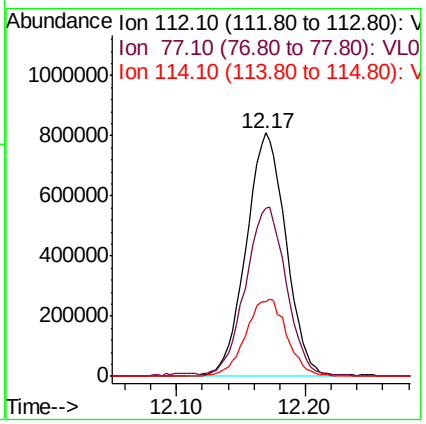


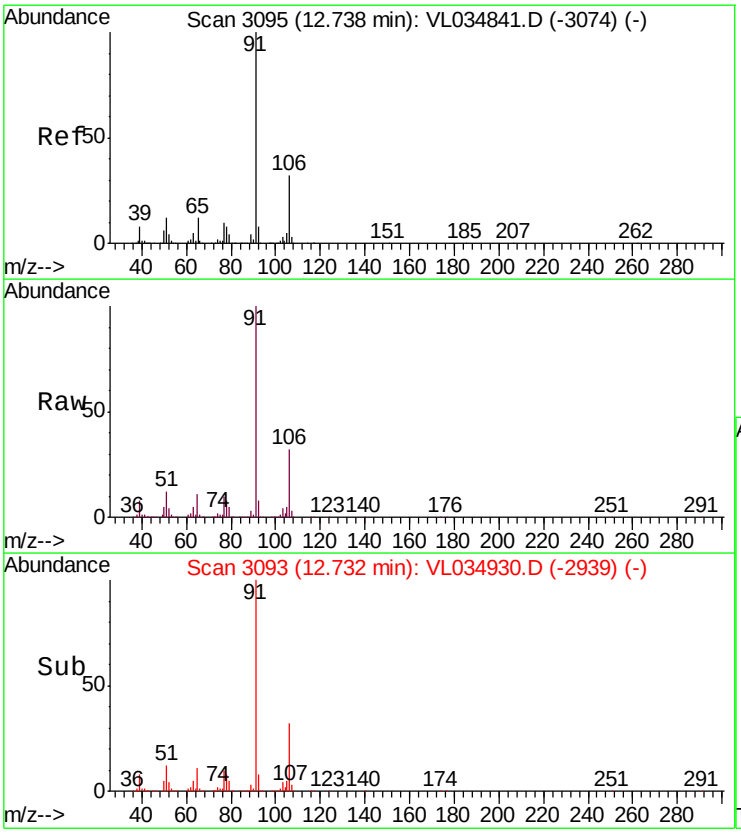

#57
Chlorobenzene
Concen: 9.707 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:112 Resp: 1743616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 68.1 | 53.0 | 79.6 |
| 114 | 30.6 | 29.5 | 36.1 |

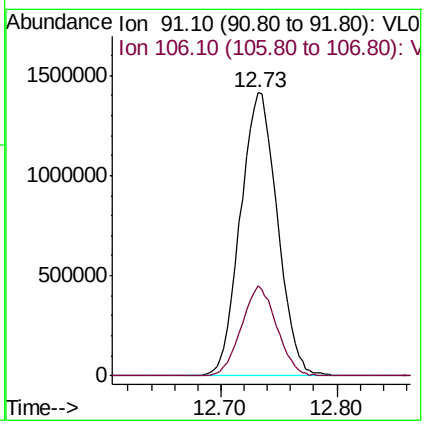


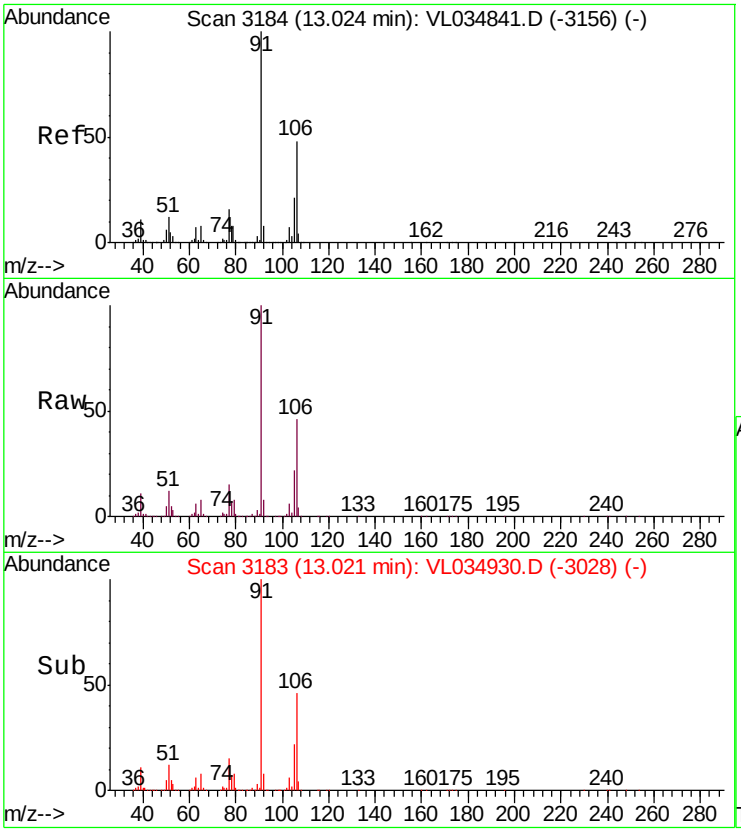




#58
Ethyl Benzene
Concen: 10.106 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 3141829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 25.8 | 38.6 |



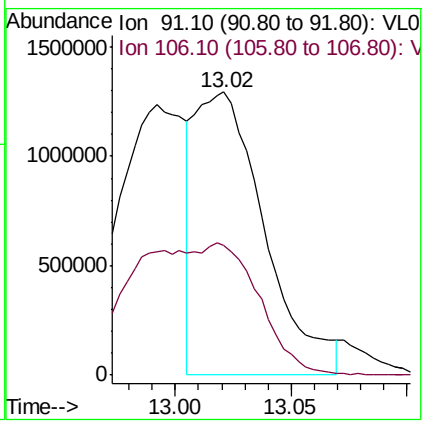


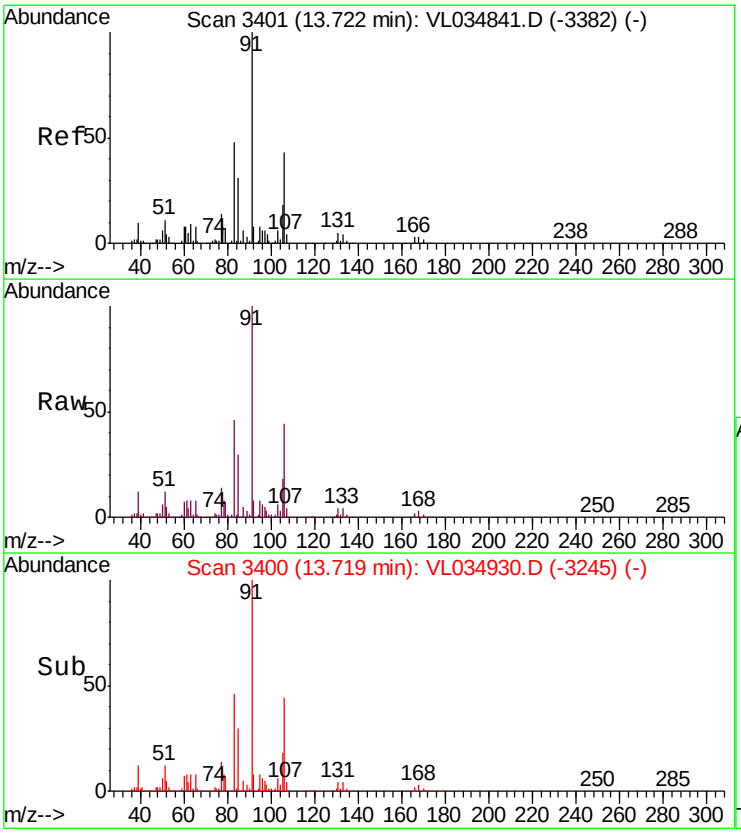

#59
m/p-Xylene
Concen: 10.282 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion: 91 Resp: 2678116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 87.7 | 37.1 | 55.7# |

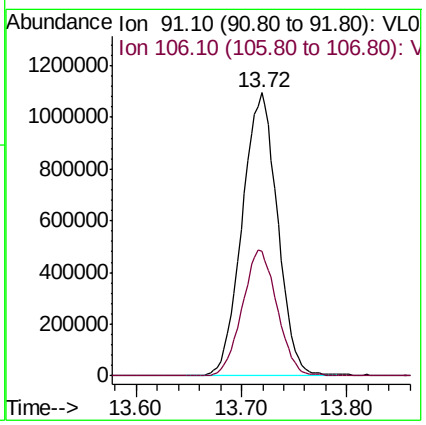


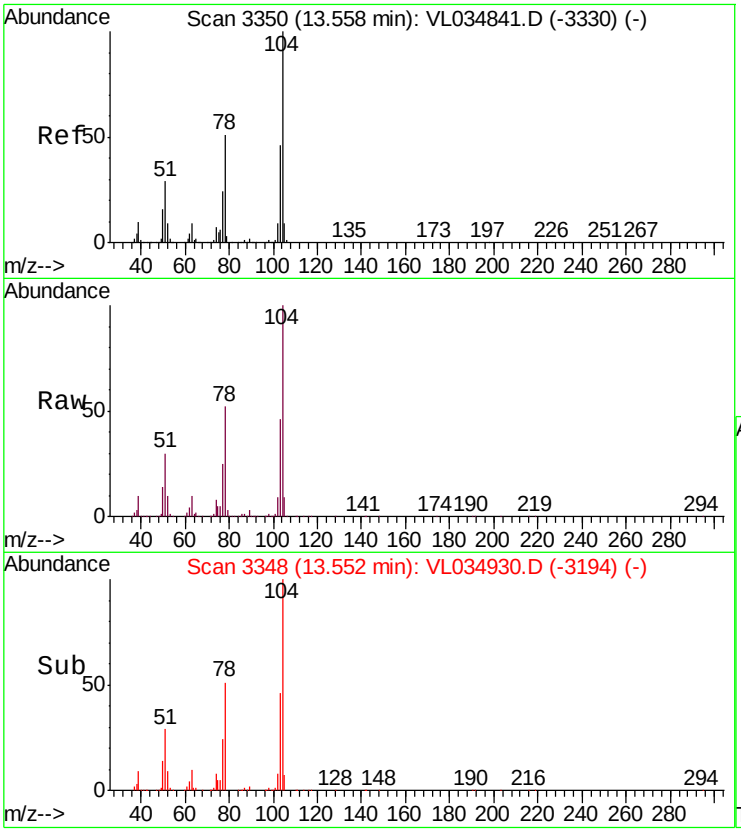




#60
o-Xylene
Concen: 10.055 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 2557013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 44.2 | 22.5 | 67.5 |



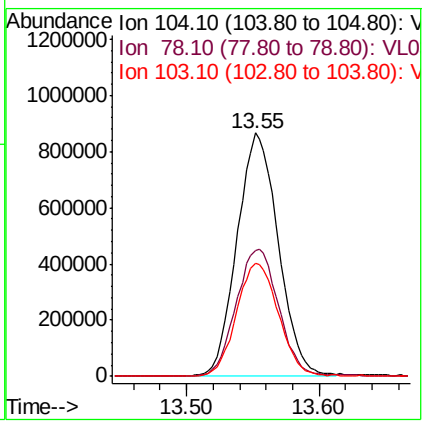


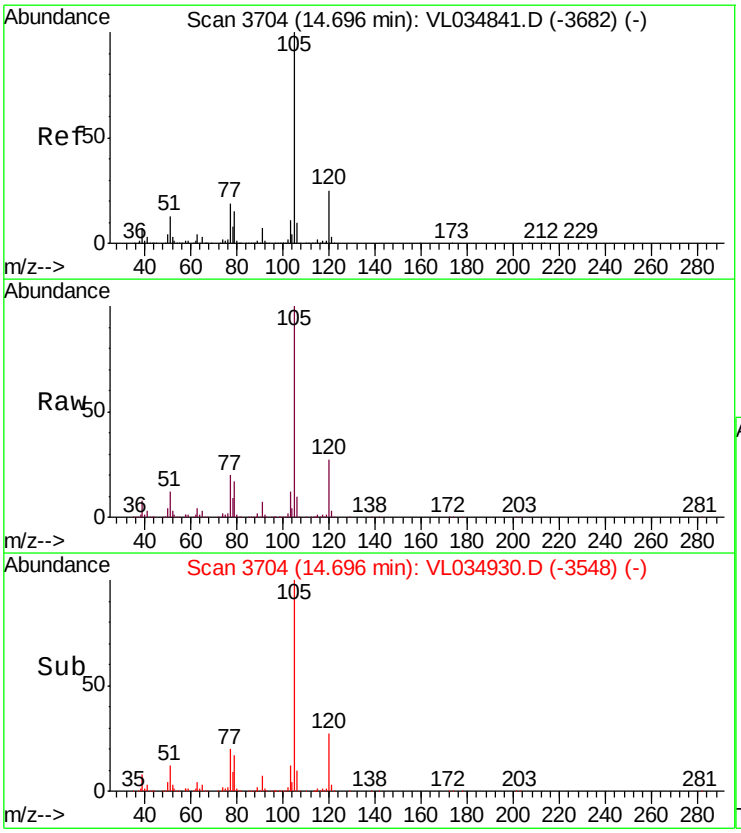

#61
Styrene
Concen: 10.504 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion:104 Resp: 1874625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.2 | 41.8 | 62.6 |
| 103 | 47.5 | 37.8 | 56.6 |

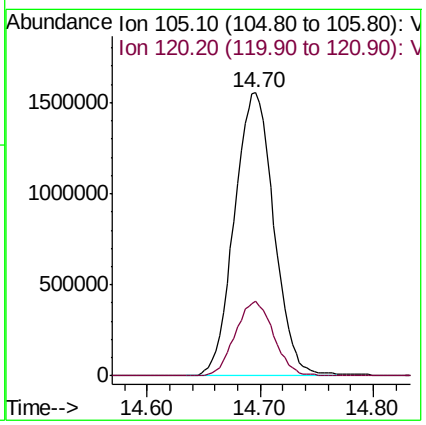


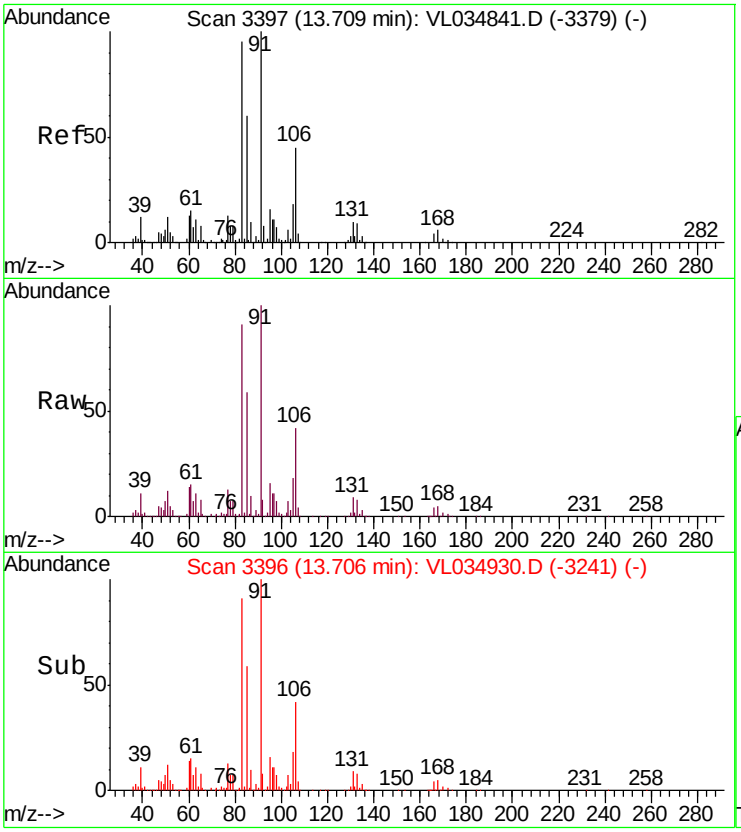




#62
Isopropylbenzene
Concen: 9.825 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:105 Resp: 3777833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 21.0 | 31.4 |



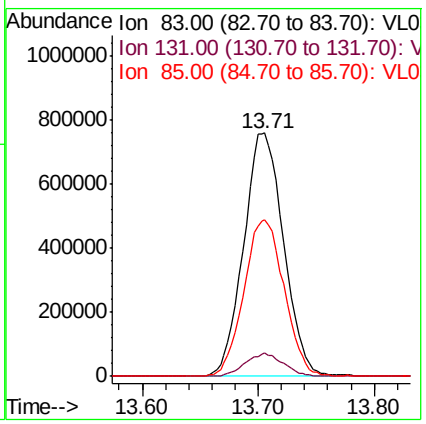


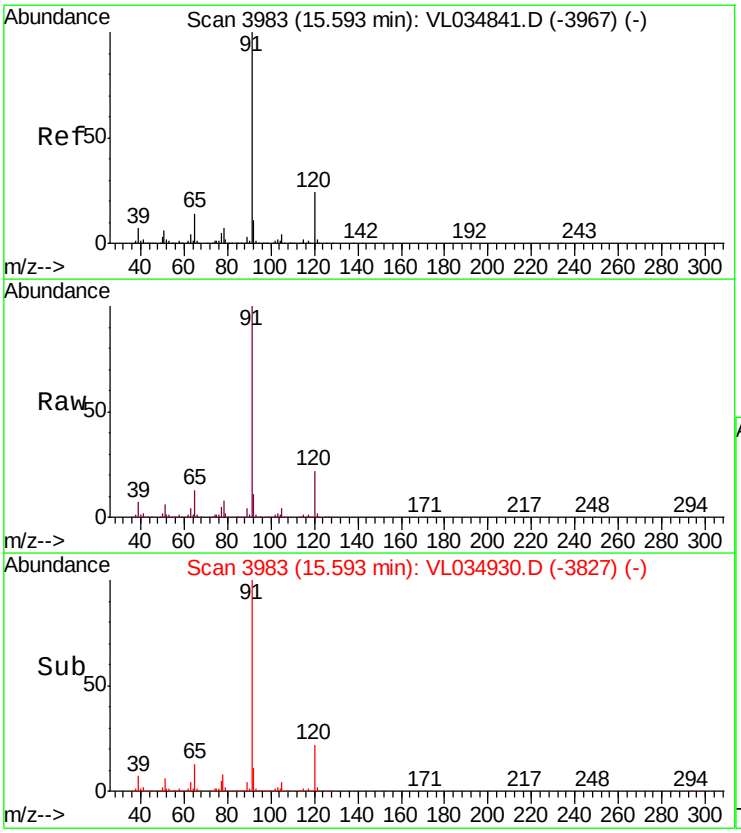

#63
1,1,2,2-Tetrachloroethane
Concen: 10.528 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 83 Resp: 1817646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.2 | 5.0 | 14.9 |
| 85 | 65.0 | 32.4 | 97.2 |

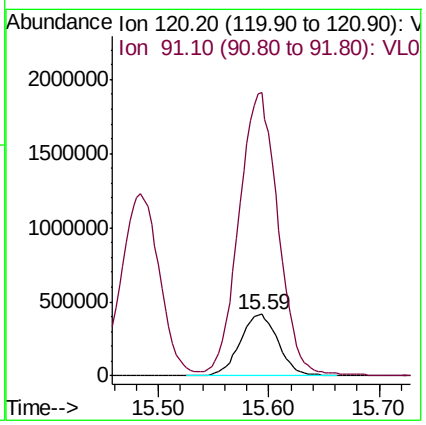


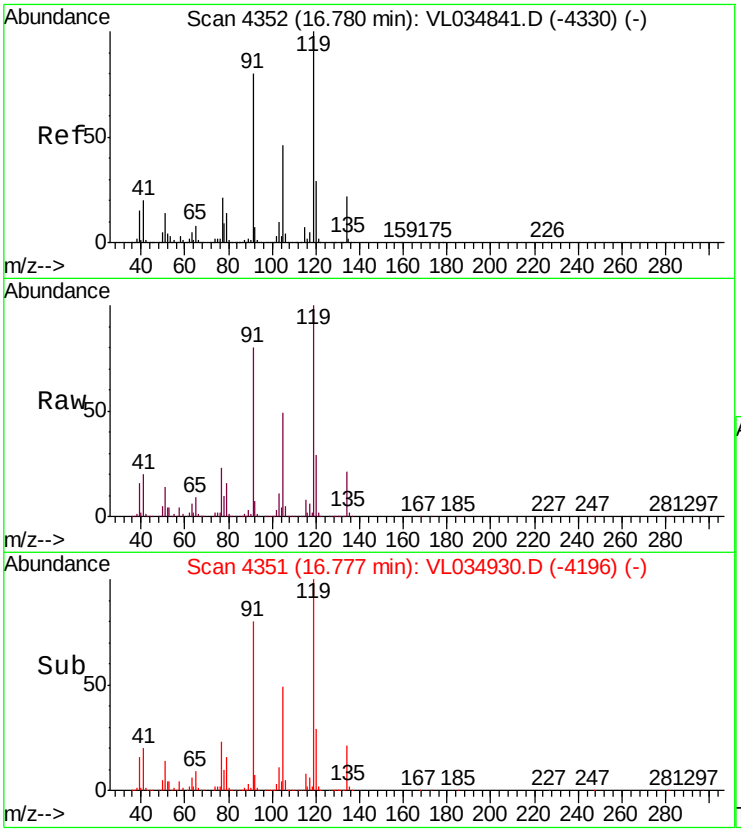




#64
n-propylbenzene
Concen: 9.935 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:120 Resp: 994356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 477.2 | 360.9 | 541.3 |



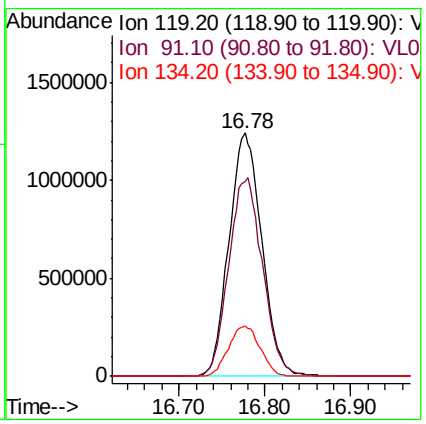


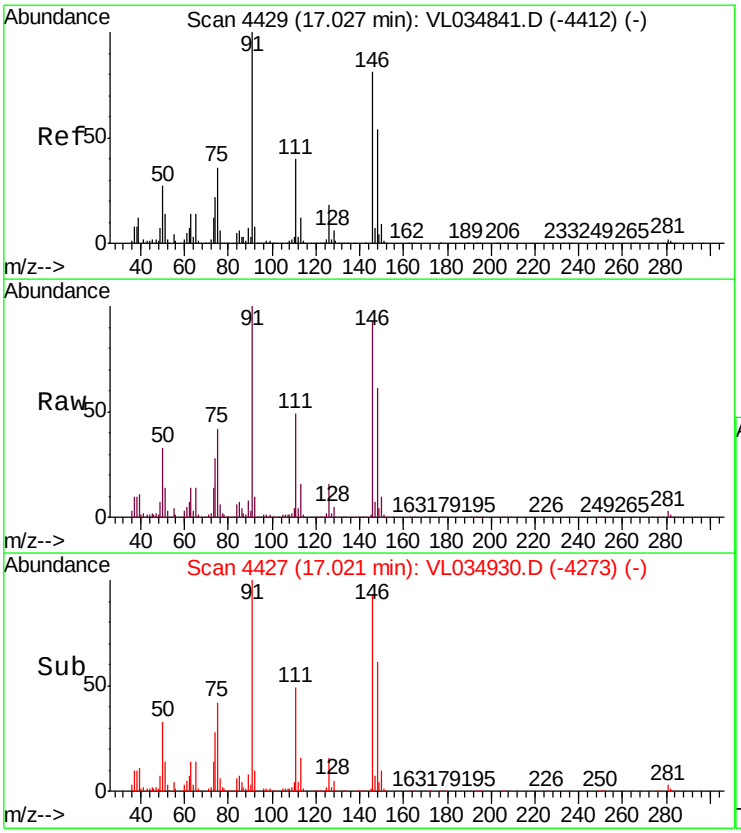

#65
tert-Butylbenzene
Concen: 9.782 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion:119 Resp: 3288289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 84.2 | 64.9 | 97.3 |
| 134 | 20.2 | 15.9 | 23.9 |

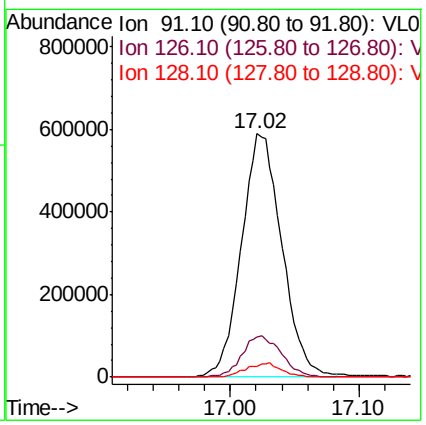


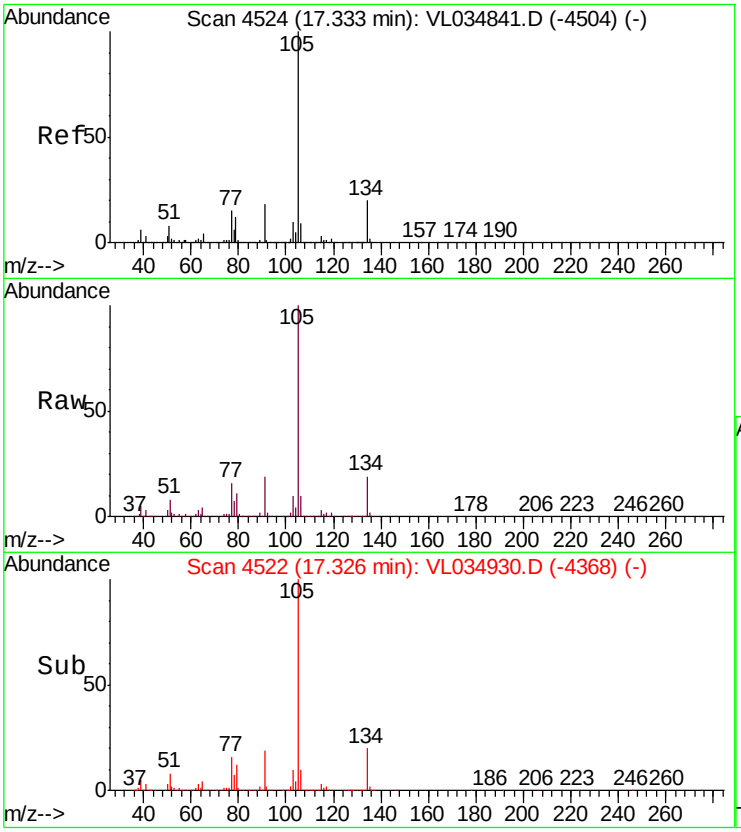




#66
Benzyl Chloride
Concen: 9.138 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 1280776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 16.6 | 14.7 | 22.1 |
| 128 | 5.2 | 4.7 | 7.1 |



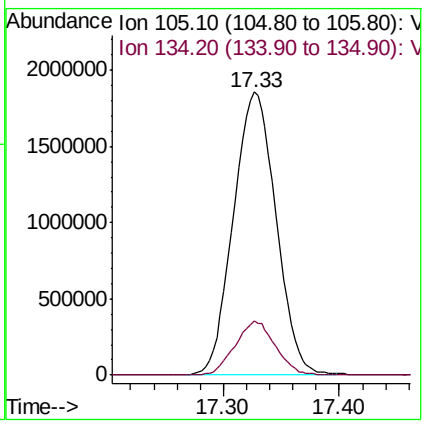


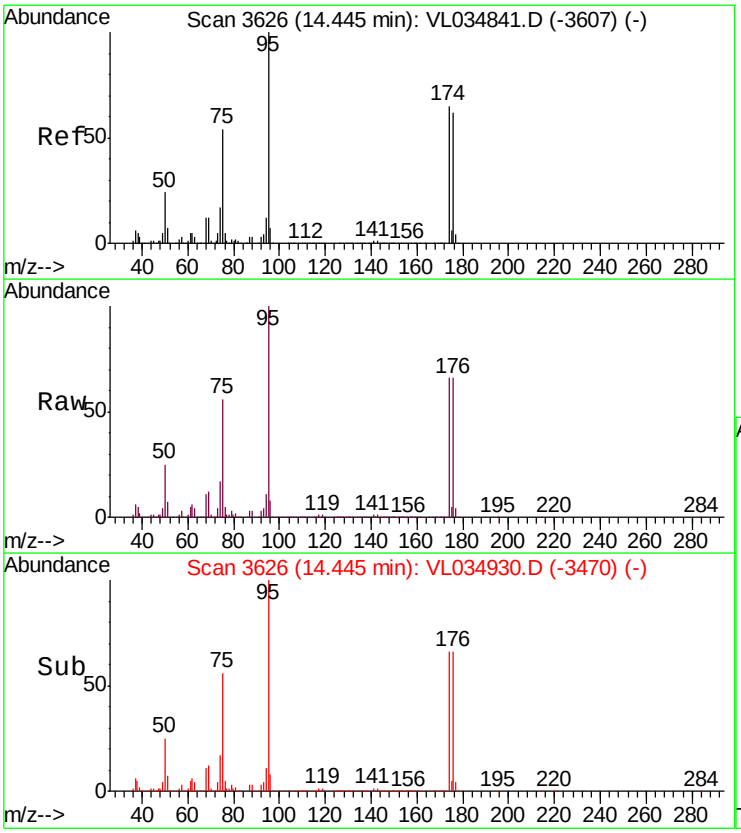

#67
sec-Butylbenzene
Concen: 10.148 ppbv
RT: 17.33 min Scan# 4522
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion:105 Resp: 4730315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.2 | 15.0 | 22.6 |

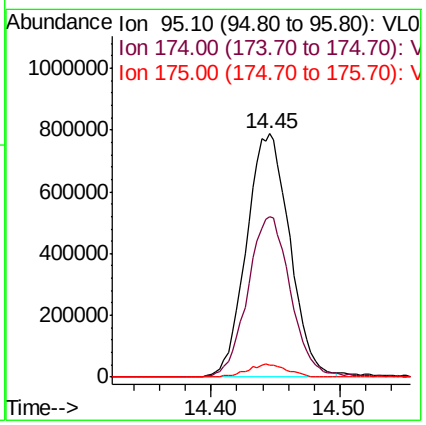


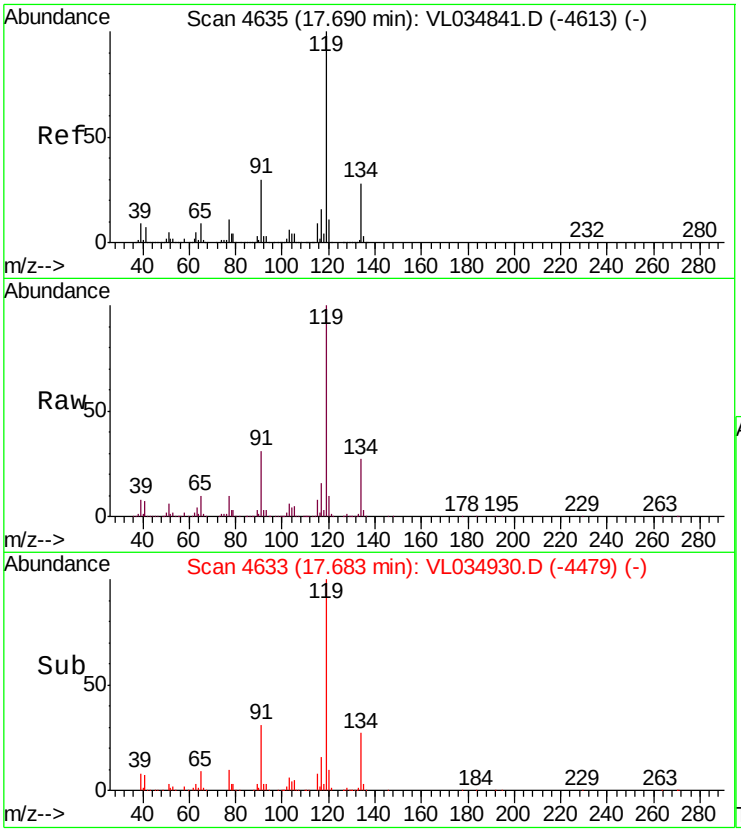




#68
1-Bromo-4-Fluorobenzene
Concen: 10.277 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 95 Resp: 1839894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.9 | 55.2 | 82.8 |
| 175 | 5.0 | 4.3 | 6.5 |



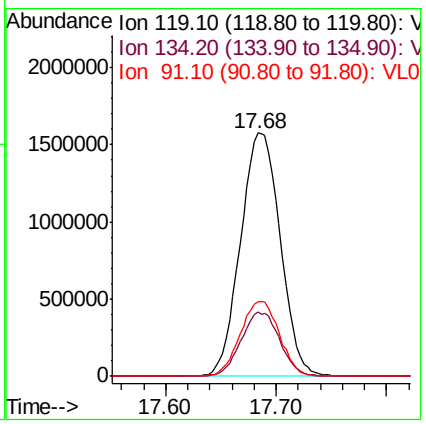


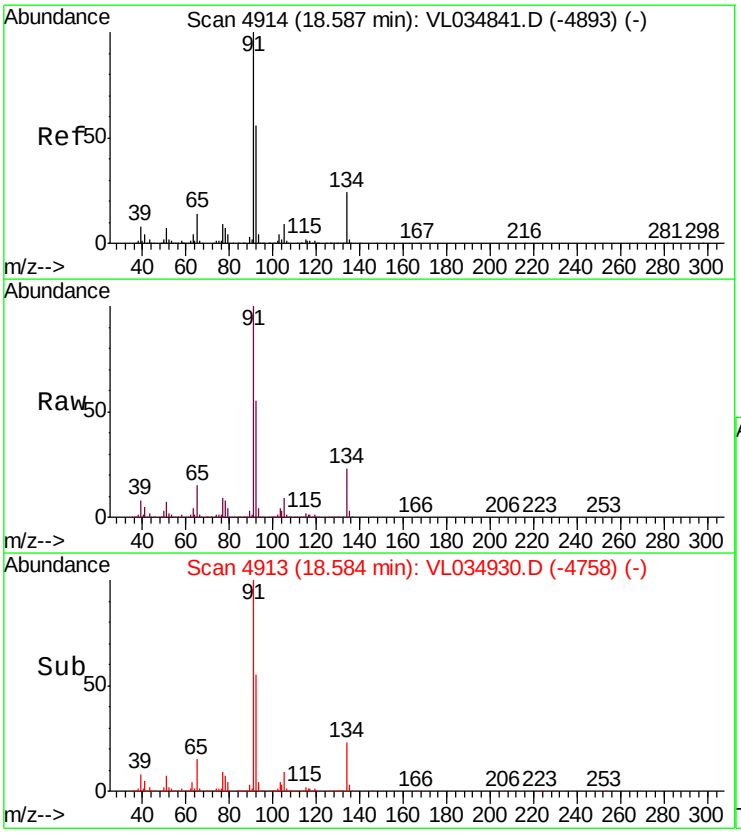

#69
p-Isopropyltoluene
Concen: 10.065 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:119 Resp: 3933661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 20.6 | 30.8 |
| 91 | 30.4 | 23.4 | 35.2 |

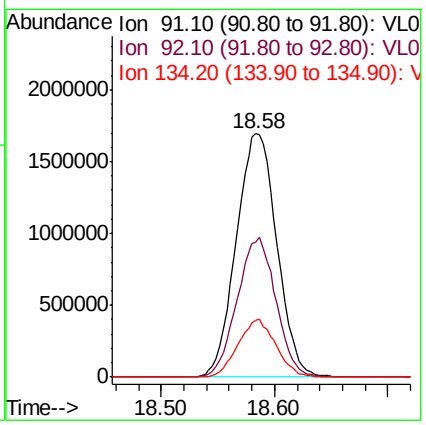


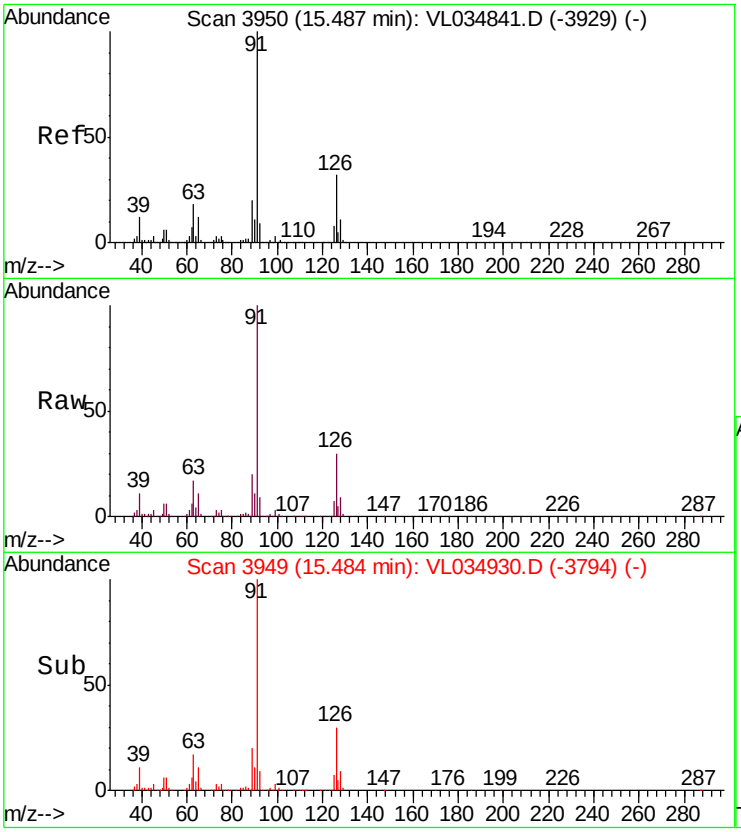




#70
n-Butylbenzene
Concen: 10.580 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion: 91 Resp: 4218857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.8 | 43.8 | 65.6 |
| 134 | 22.2 | 19.0 | 28.4 |



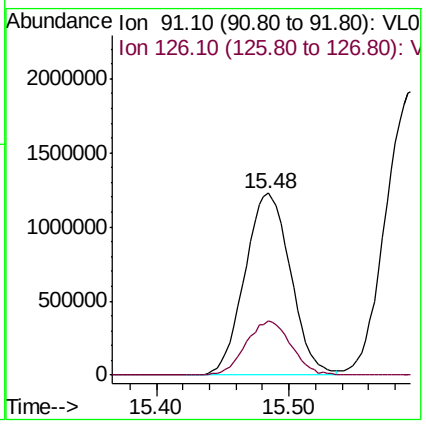


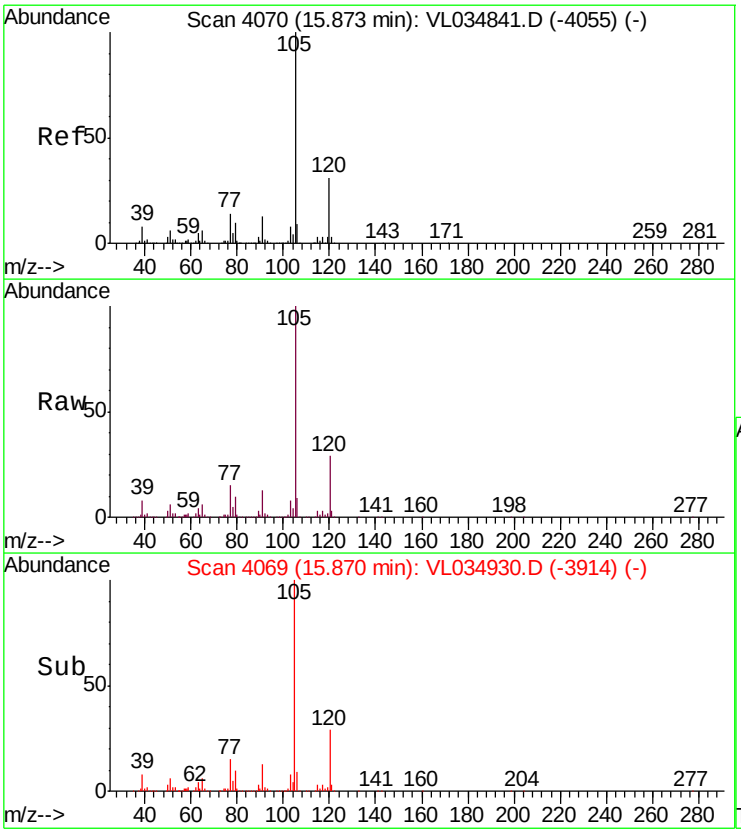

#71
2-Chlorotoluene
Concen: 10.132 ppbv
RT: 15.48 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :** MSVOA_L
**ClientSampleId :** VL0323ABSD01

Tgt Ion: 91 Resp: 2950408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 12.3 | 49.1 |

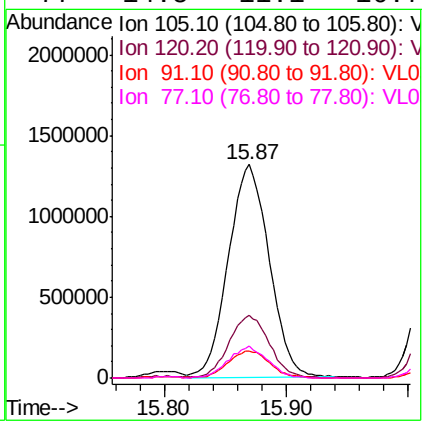


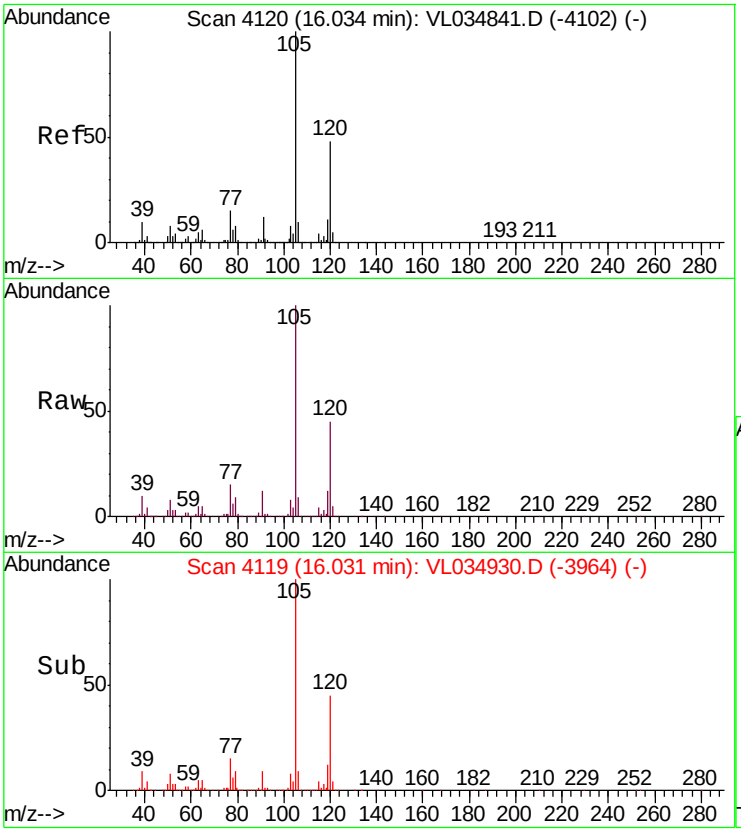




#72
4-Ethyltoluene
Concen: 10.160 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:105 Resp: 3051333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 29.3 | 23.7 | 35.5 |
| 91 | 13.1 | 10.5 | 15.7 |
| 77 | 14.5 | 11.1 | 16.7 |



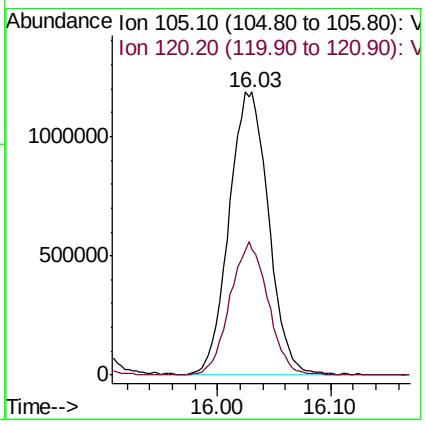


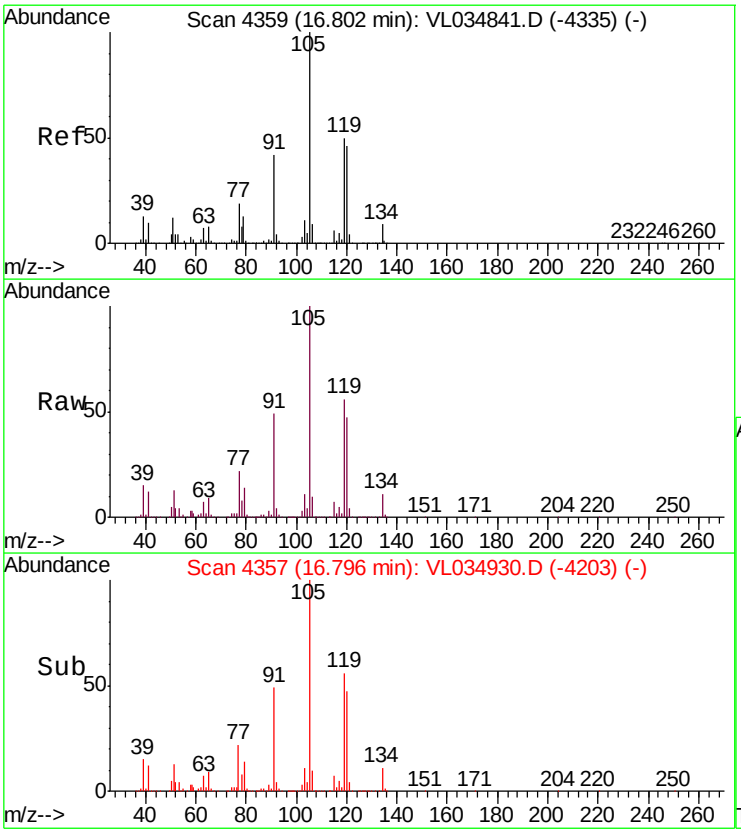

#73
1,3,5-Trimethylbenzene
Concen: 10.147 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:105 Resp: 2852741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 38.6 | 58.0 |

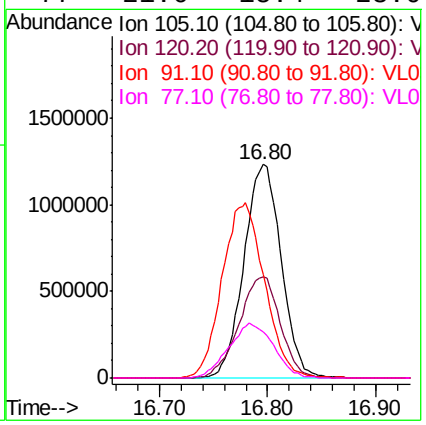


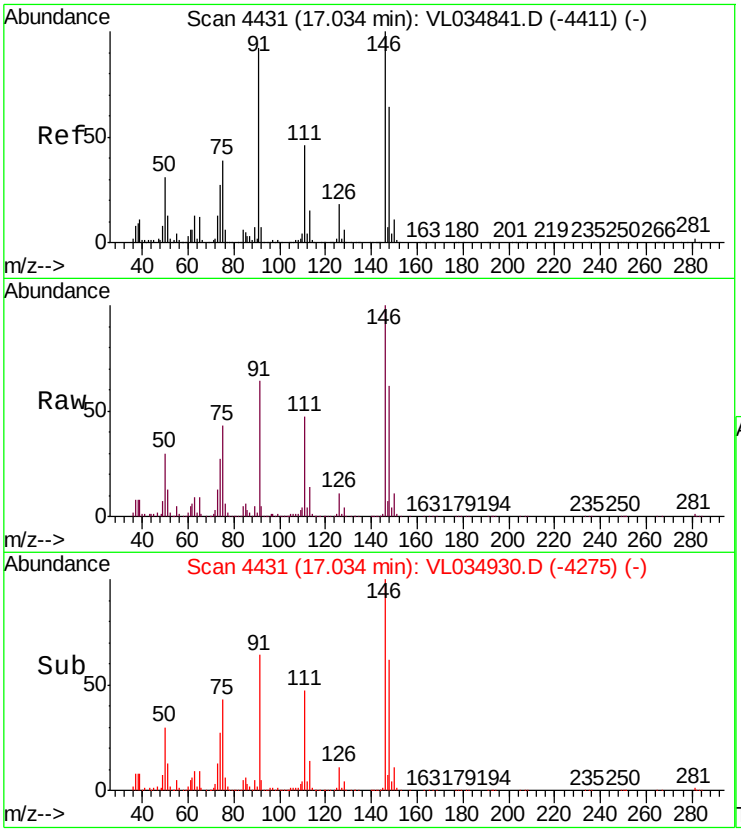




#74
1,2,4-Trimethylbenzene
Concen: 10.237 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:105 Resp: 2965072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 37.0 | 55.4 |
| 91 | 48.3 | 33.8 | 50.6 |
| 77 | 21.6 | 15.4 | 23.0 |



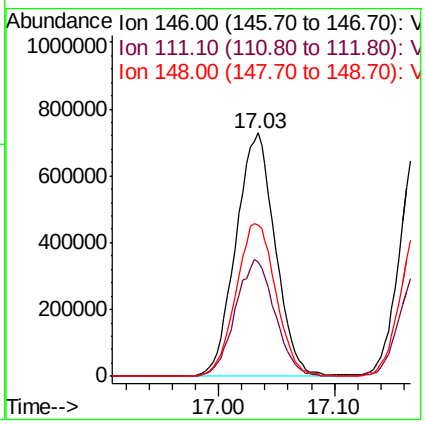


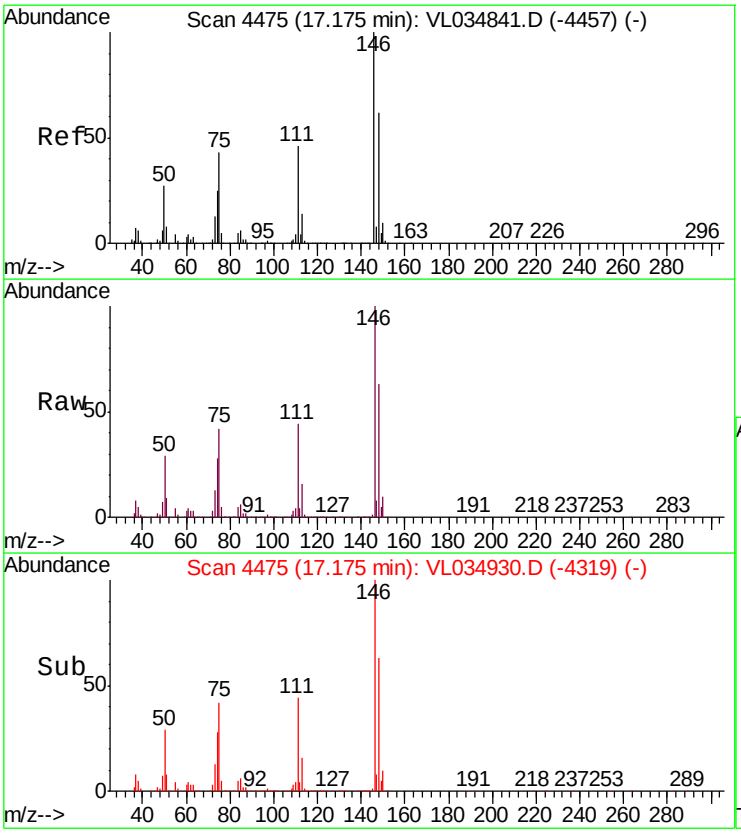

#75
1,3-Dichlorobenzene
Concen: 9.822 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:146 Resp: 1715315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.2 | 23.9 | 71.7 |
| 148 | 63.9 | 32.5 | 97.5 |

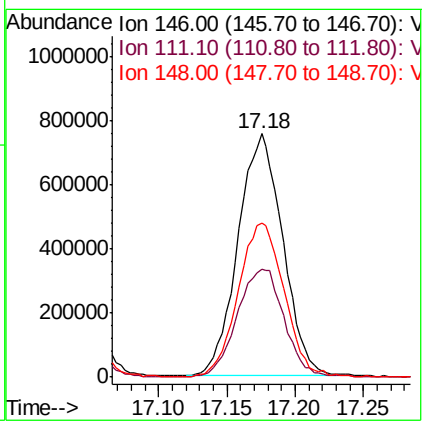


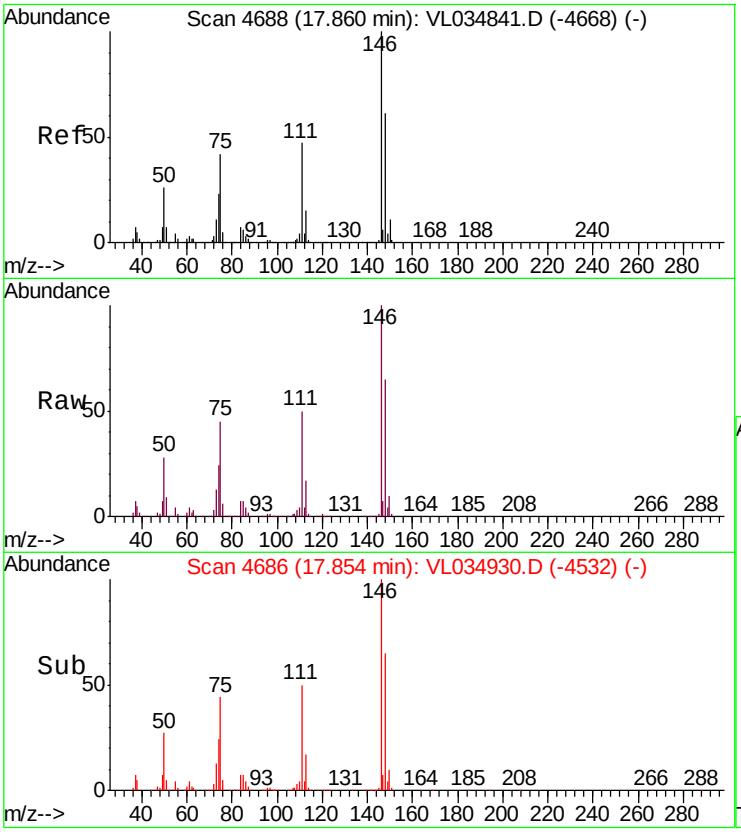




#76
1,4-Dichlorobenzene
Concen: 9.860 ppbv
RT: 17.18 min Scan# 4475
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:146 Resp: 1718418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.2 | 23.4 | 70.2 |
| 148 | 65.4 | 32.3 | 96.9 |



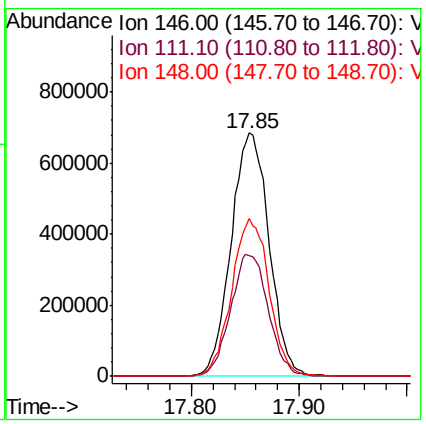


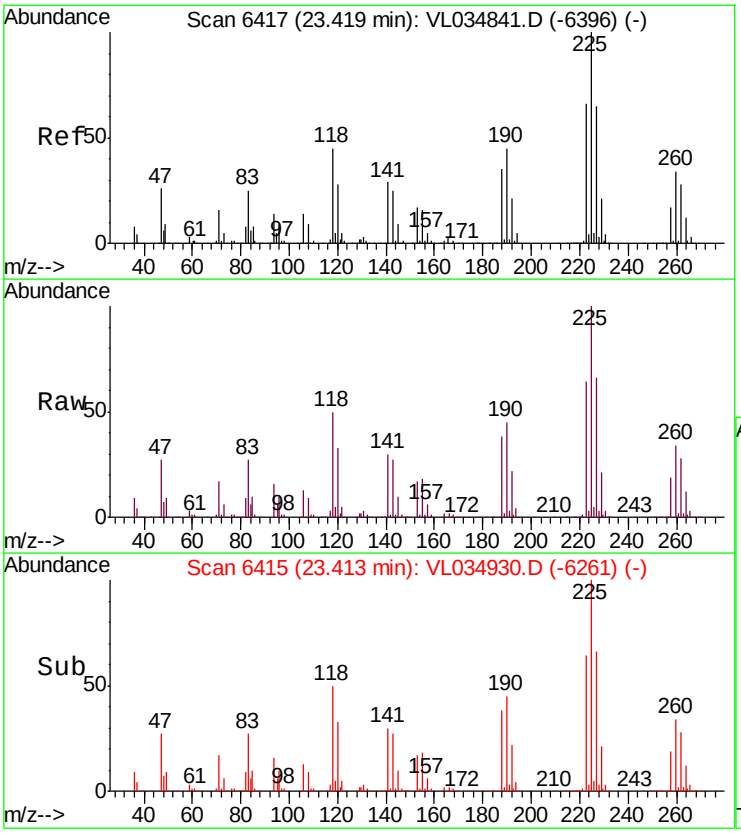

#77
1,2-Dichlorobenzene
Concen: 9.912 ppbv
RT: 17.85 min Scan# 4686
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:146 Resp: 1677933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.9 | 23.8 | 71.4 |
| 148 | 63.9 | 31.6 | 94.8 |

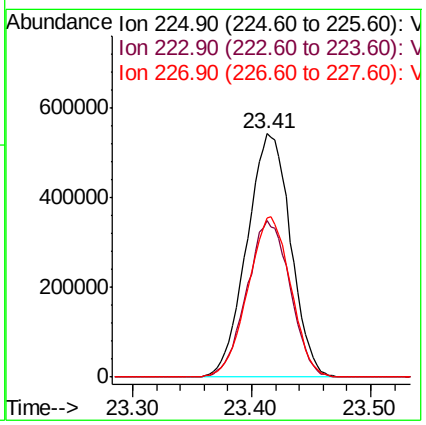


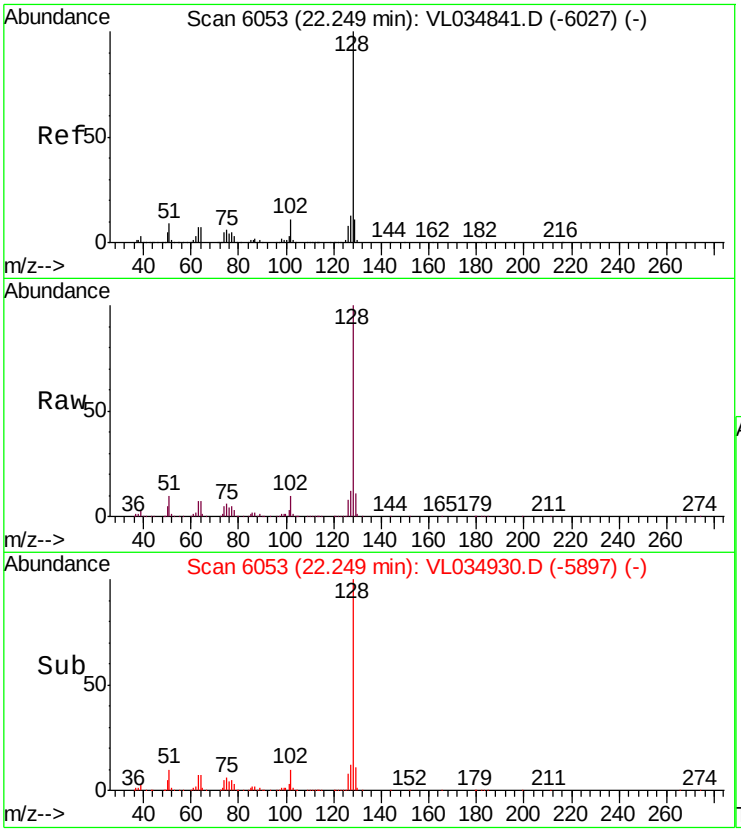




#78
Hexachloro-1,3-Butadiene
Concen: 9.768 ppbv
RT: 23.41 min Scan# 6415
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:225 Resp: 1381128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 51.1 | 76.7 |
| 227 | 64.5 | 51.8 | 77.6 |



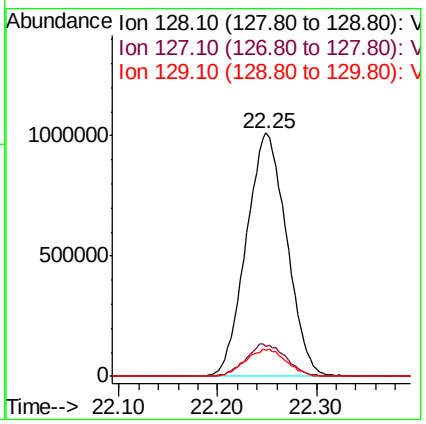


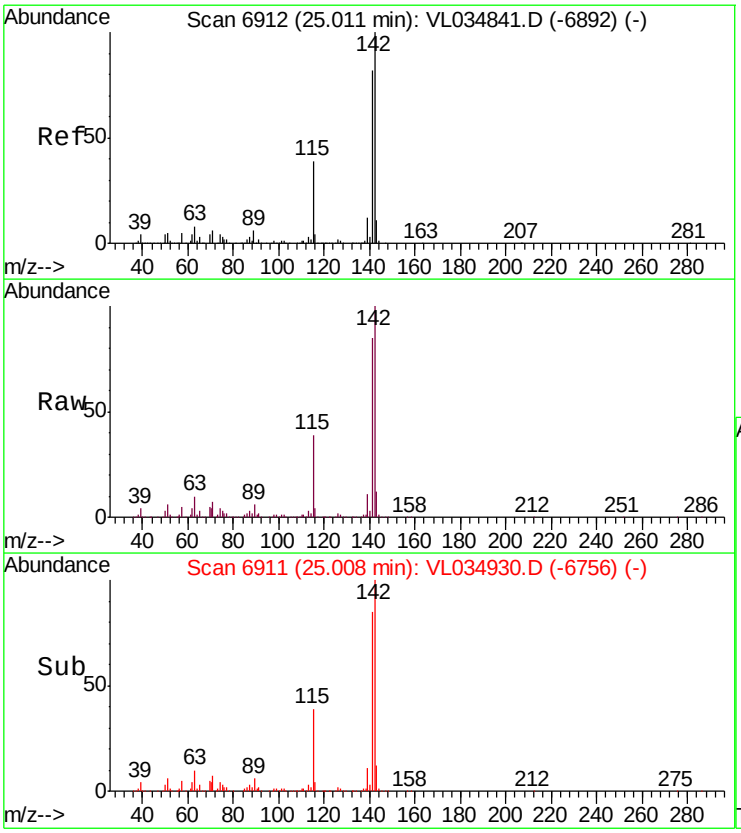

#79
Naphthalene
Concen: 12.646 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:128 Resp: 2856590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.3 | 10.2 | 15.2 |
| 129 | 10.6 | 8.6 | 13.0 |

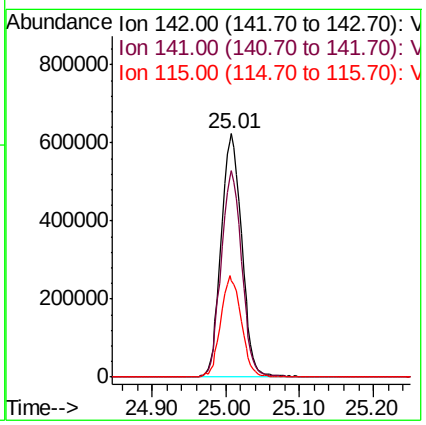


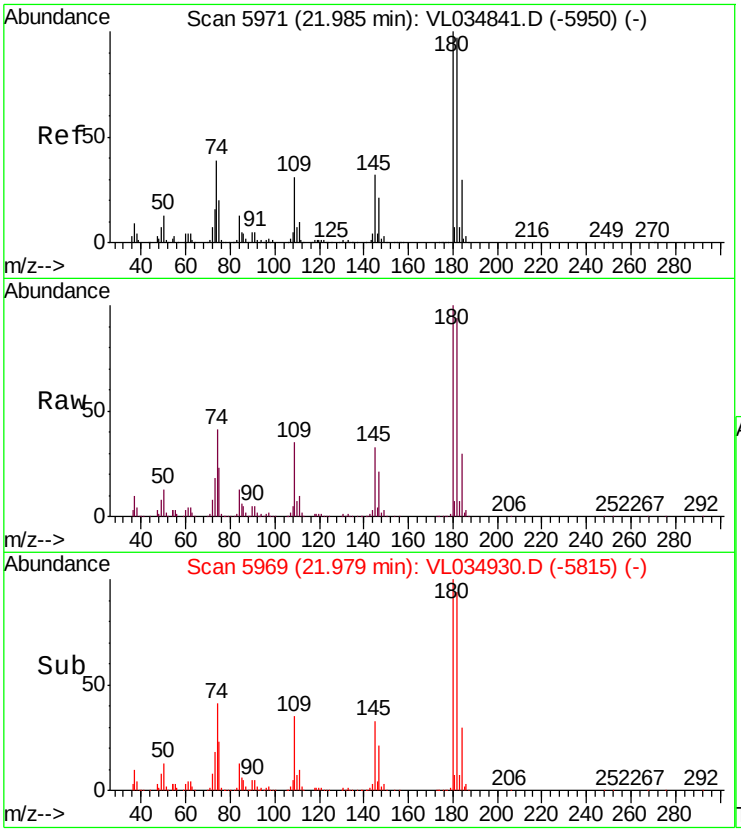




#80
Naphthalene,2-methyl-
Concen: 20.599 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.00 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

Tgt Ion:142 Resp: 1215936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.6 | 68.9 | 103.3 |
| 115 | 41.5 | 33.2 | 49.8 |






#81
1,2,4-Trichlorobenzene
Concen: 11.466 ppbv
RT: 21.98 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL034930.D
Acq: 23 Mar 2020 14:36

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0323ABSD01

Tgt Ion:180 Resp: 1645417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 76.6 | 115.0 |
| 184 | 30.8 | 25.0 | 37.4 |