Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111919\

Quantitation Report (Not Reviewed)

Data File : VL034376.D
Acq On : 19 Nov 2019 11:08
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Quant Time: Nov 19 11:38:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.68 | 49 | 1059757 | 10.00 | ppbv | | -0.01 |
| 33) 1,4-Difluorobenzene | 7.20 | 114 | 2147136 | 10.00 | ppbv | | -0.02 |
| 55) Chlorobenzene-d5 | 12.14 | 117 | 2157762 | 10.00 | ppbv | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.48 | 95 | 1804606 | 9.87 | ppbv | | -0.01 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 98.70% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.02 | 85 | 231650 | 1.268 | ppbv | | 98 |
| 3) Chlorodifluoromethane | 2.96 | 51 | 146664 | 1.181 | ppbv | | 99 |
| 4) Chloromethane | 3.11 | 50 | 86812 | 1.182 | ppbv | | 97 |
| 5) Vinyl Chloride | 3.23 | 62 | 77798 | 1.110 | ppbv | # | 88 |
| 6) Bromomethane | 3.46 | 94 | 36627 | 1.068 | ppbv | | 88 |
| 7) Chloroethane | 3.54 | 64 | 30263 | 1.227 | ppbv | | 98 |
| 8) Dichlorotetrafluoroethane | 3.16 | 85 | 192139 | 1.214 | ppbv | | 100 |
| 9) Propene | 2.98 | 41 | 62388 | 1.133 | ppbv | | 97 |
| 10) Heptane | 8.15 | 43 | 163711 | 1.158 | ppbv | | 99 |
| 11) Trichlorofluoromethane | 3.93 | 101 | 211882 | 1.222 | ppbv | | 87 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 136357 | 1.200 | ppbv | | 98 |
| 13) Ethanol | 3.58 | 45 | 22723 | 1.843 | ppbv | | 86 |
| 14) Bromoethene | 3.72 | 108 | 51347 | 1.148 | ppbv | | 91 |
| 15) Acetone | 3.84 | 43 | 171004 | 1.128 | ppbv | | 98 |
| 16) 1,3-Butadiene | 3.30 | 39 | 68946 | 1.119 | ppbv | | 100 |
| 17) tert-Butyl alcohol | 4.29 | 59 | 140265 | 1.450 | ppbv | | 99 |
| 18) 1,1-Dichloroethene | 4.28 | 96 | 58294 | 1.172 | ppbv | # | 83 |
| 19) Isopropyl Alcohol | 3.96 | 45 | 60861 | 0.720 | ppbv | # | 88 |
| 20) Methylene Chloride | 4.34 | 84 | 58752 | 1.072 | ppbv | | 91 |
| 21) Allyl Chloride | 4.41 | 41 | 94716 | 1.130 | ppbv | | 94 |
| 22) trans-1,2-Dichloroethene | 4.89 | 96 | 56672 | 1.142 | ppbv | | 94 |
| 23) Vinyl Acetate | 5.07 | 43 | 208322 | 1.100 | ppbv | # | 97 |
| 24) 1,1-Dichloroethane | 5.01 | 63 | 161757 | 1.151 | ppbv | | 100 |
| 25) Ethyl Acetate | 5.69 | 43 | 293244 | 1.146 | ppbv | | 99 |
| 26) Hexane | 5.70 | 57 | 124049 | 1.137 | ppbv | | 97 |
| 27) Carbon Disulfide | 4.55 | 76 | 123144 | 1.087 | ppbv | | 96 |
| 28) Methyl tert-Butyl Ether | 5.04 | 73 | 204832 | 1.241 | ppbv | | 98 |
| 29) Chloroform | 5.76 | 83 | 200949 | 1.165 | ppbv | | 97 |
| 30) Cyclohexane | 7.15 | 84 | 90088 | 1.123 | ppbv | | 97 |
| 31) cis-1,2-Dichloroethene | 5.56 | 61 | 123026 | 1.111 | ppbv | | 99 |
| 32) 1,1,1-Trichloroethane | 6.53 | 97 | 189510 | 1.129 | ppbv | | 98 |
| 34) 2-Butanone | 5.26 | 43 | 191528 | 1.091 | ppbv | | 98 |
| 35) Carbon Tetrachloride | 7.04 | 117 | 195397 | 1.045 | ppbv | # | 84 |
| 36) Benzene | 6.91 | 78 | 232106 | 1.127 | ppbv | | 98 |
| 37) 1,2-Dichloroethane | 6.32 | 62 | 173703 | 1.131 | ppbv | | 100 |
| 38) Trichloroethene | 7.87 | 130 | 87484 | 1.058 | ppbv | | 92 |
| 39) 1,2-Dichloropropane | 7.64 | 63 | 55232 | 0.623 | ppbv | | 96 |
| 40) 1,4-Dioxane | 7.87 | 88 | 13522 | 0.434 | ppbv | # | 1 |
| 41) Tetrahydrofuran | 6.07 | 42 | 99271 | 1.019 | ppbv | | 95 |
| 42) Bromodichloromethane | 7.83 | 83 | 109244 | 0.581 | ppbv | # | 95 |
| 43) Methyl Methacrylate | 8.04 | 69 | 92658 | 1.087 | ppbv | | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111919\

Quantitation Report (Not Reviewed)

Data File : VL034376.D
Acq On : 19 Nov 2019 11:08
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Quant Time: Nov 19 11:38:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.90 | 57 | 443320 | 1.163 | ppbv | | 97 |
| 46) cis-1,3-Dichloropropene | 8.74 | 75 | 125720 | 1.054 | ppbv | | 94 |
| 47) 1,1,2-Trichloroethane | 9.51 | 97 | 36383 | 0.405 | ppbv | | 84 |
| 48) Dibromochloromethane | 10.34 | 129 | 69707 | 0.473 | ppbv | # | 10 |
| 49) Bromoform | 13.09 | 173 | 141220 | 1.081 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.78 | 43 | 277607 | 1.105 | ppbv | | 99 |
| 51) 2-Hexanone | 10.19 | 43 | 229332 | 1.113 | ppbv | # | 100 |
| 52) Tetrachloroethene | 11.27 | 164 | 87903 | 1.089 | ppbv | | 87 |
| 53) Toluene | 9.85 | 91 | 262887 | 1.156 | ppbv | | 97 |
| 54) 1,2-Dibromoethane | 10.66 | 107 | 152832 | 1.148 | ppbv | | 100 |
| 56) 1,1,1,2-Tetrachloroethane | 12.18 | 131 | 114810 | 1.155 | ppbv | # | 1 |
| 57) Chlorobenzene | 12.20 | 112 | 217616 | 1.209 | ppbv | | 96 |
| 58) Ethyl Benzene | 12.76 | 91 | 360470 | 1.195 | ppbv | | 89 |
| 59) m/p-Xylene | 13.04 | 91 | 271691 | 1.040 | ppbv | # | 32 |
| 60) o-Xylene | 13.75 | 91 | 316379 | 1.216 | ppbv | | 98 |
| 61) Styrene | 13.58 | 104 | 220752 | 1.205 | ppbv | | 100 |
| 62) Isopropylbenzene | 14.73 | 105 | 418538 | 1.218 | ppbv | | 97 |
| 63) 1,1,2,2-Tetrachloroethane | 13.74 | 83 | 226496 | 1.083 | ppbv | | 98 |
| 64) n-propylbenzene | 15.62 | 120 | 104879 | 1.190 | ppbv | | 80 |
| 65) tert-Butylbenzene | 16.81 | 119 | 380034 | 1.248 | ppbv | | 94 |
| 66) Benzyl Chloride | 17.06 | 91 | 114064 | 0.949 | ppbv | | 96 |
| 67) sec-Butylbenzene | 17.36 | 105 | 530797 | 1.239 | ppbv | | 99 |
| 69) p-Isopropyltoluene | 17.71 | 119 | 296267 | 0.848 | ppbv | # | 64 |
| 70) n-Butylbenzene | 18.61 | 91 | 290639 | 0.765 | ppbv | # | 65 |
| 71) 2-Chlorotoluene | 15.51 | 91 | 340058 | 1.277 | ppbv | | 97 |
| 72) 4-Ethyltoluene | 15.90 | 105 | 368959 | 1.261 | ppbv | | 97 |
| 73) 1,3,5-Trimethylbenzene | 16.05 | 105 | 215350 | 0.743 | ppbv | | 96 |
| 74) 1,2,4-Trimethylbenzene | 16.82 | 105 | 395303 | 1.308 | ppbv | | 95 |
| 75) 1,3-Dichlorobenzene | 17.06 | 146 | 219954 | 1.212 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.20 | 146 | 213229 | 1.203 | ppbv | | 97 |
| 77) 1,2-Dichlorobenzene | 17.89 | 146 | 213637 | 1.201 | ppbv | | 98 |
| 78) Hexachloro-1,3-Butadiene | 23.44 | 225 | 56320 | 0.383 | ppbv | # | 18 |
| 79) Naphthalene | 22.29 | 128 | 328185 | 1.486 | ppbv | | 100 |
| 80) Naphthalene,2-methyl- | 25.04 | 142 | 112593 | 1.764 | ppbv | | 95 |
| 81) 1,2,4-Trichlorobenzene | 22.01 | 180 | 97038 | 0.673 | ppbv | # | 8 |

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

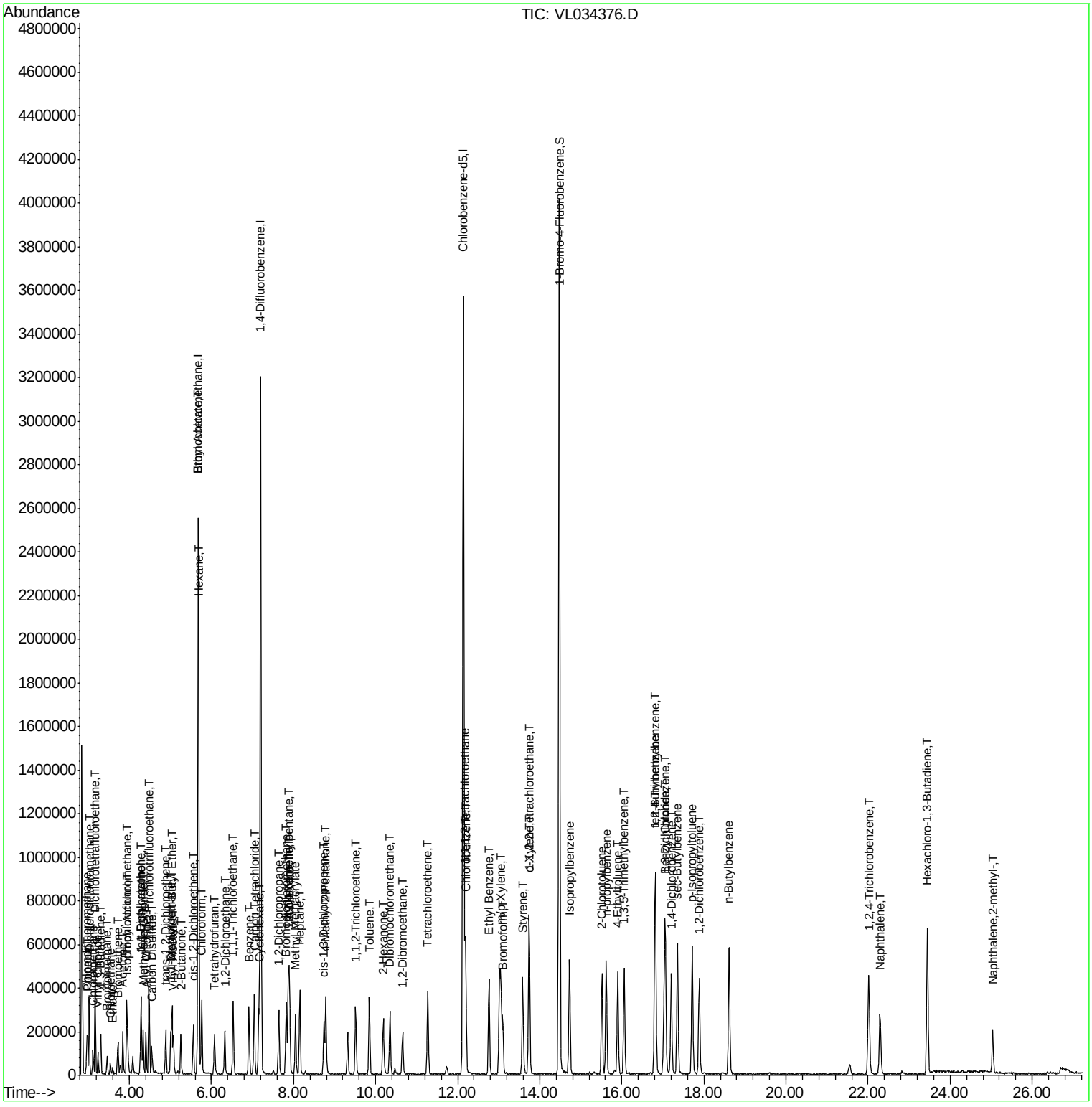
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111919\

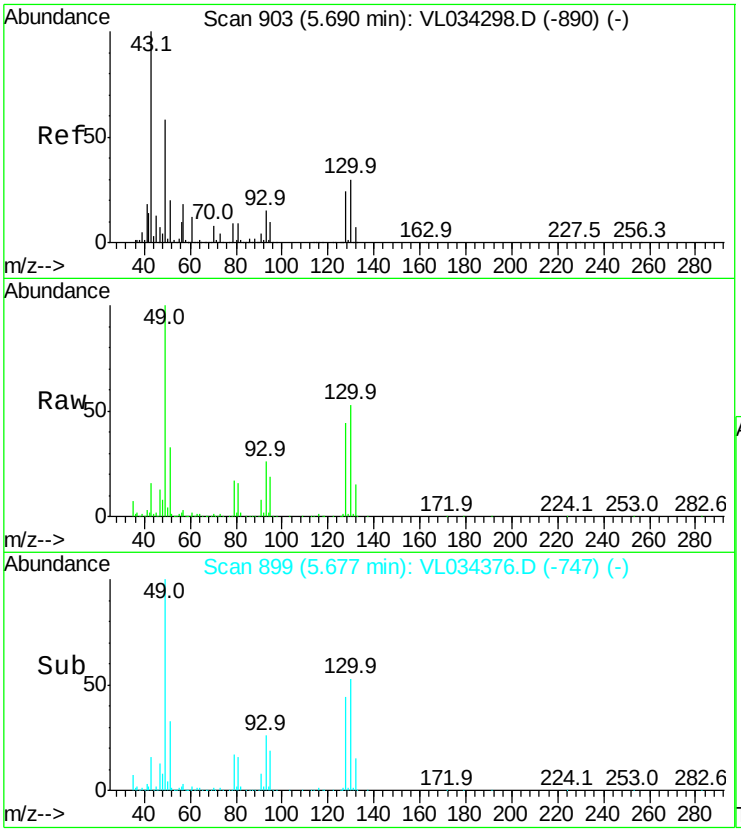
Quantitation Report (Not Reviewed)

Data File : VL034376.D
Acq On : 19 Nov 2019 11:08
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Quant Time: Nov 19 11:38:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



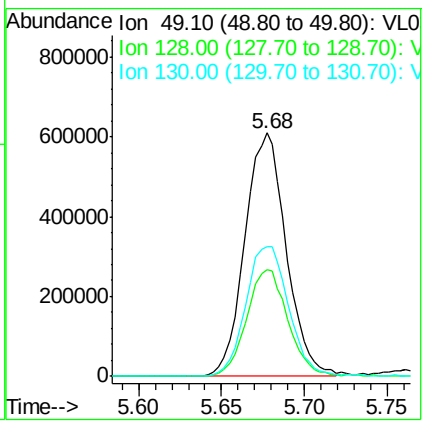


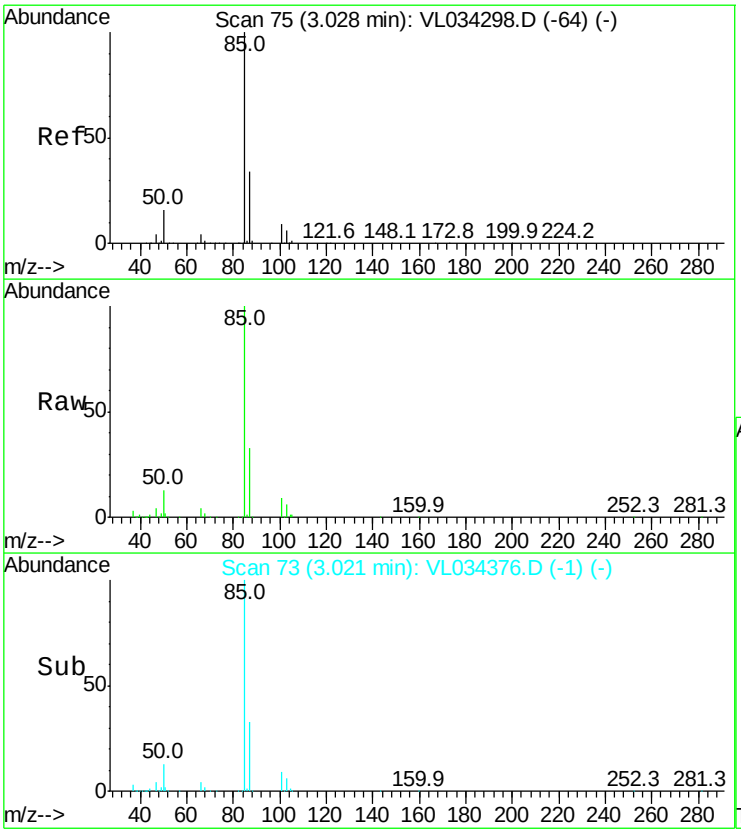

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 49 Resp: 1059757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 44.1 | 20.6 | 61.8 |
| 130 | 56.1 | 26.2 | 78.5 |

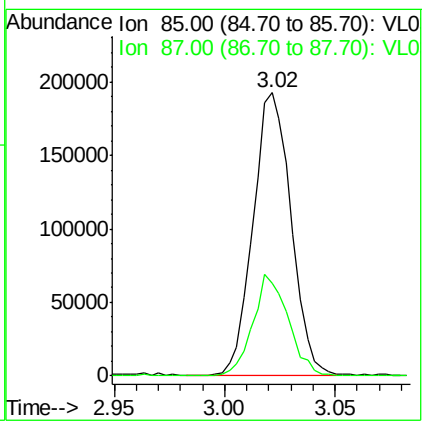


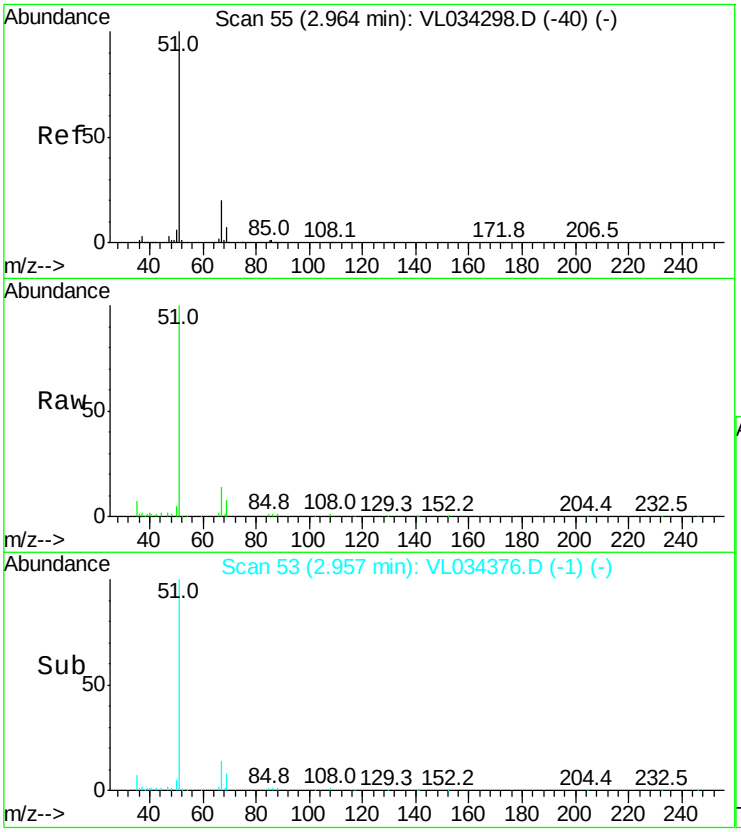




#2
Dichlorodifluoromethane
Concen: 1.268 ppbv
RT: 3.02 min Scan# 73
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 85 Resp: 231650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 27.0 | 40.6 |



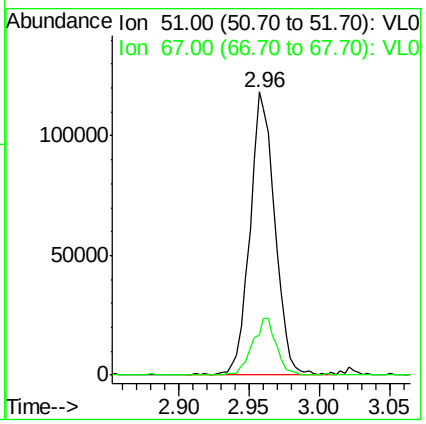


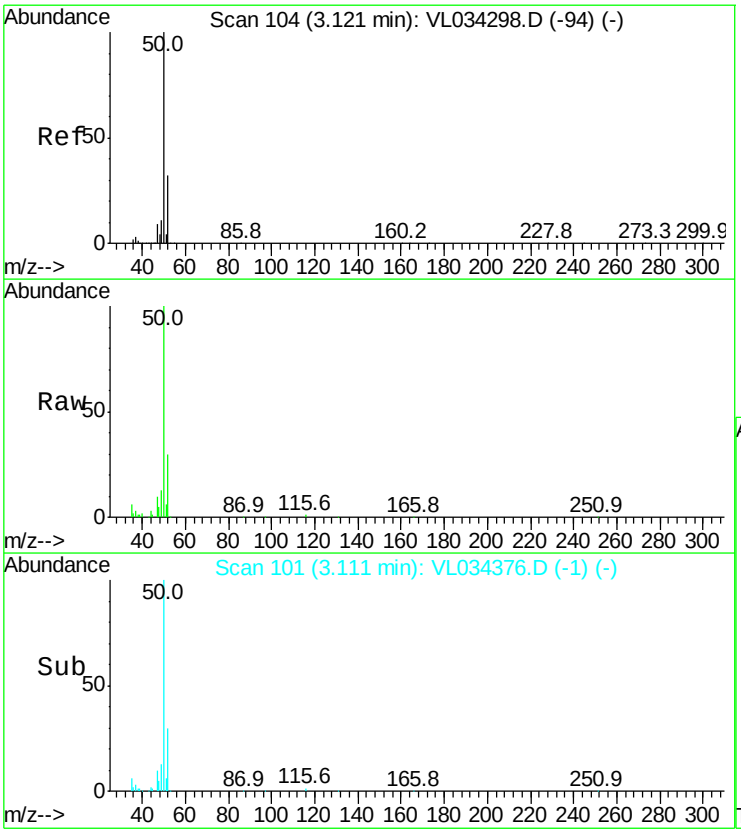

#3
Chlorodifluoromethane
Concen: 1.181 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 51 Resp: 146664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 19.2 | 15.8 | 23.8 |

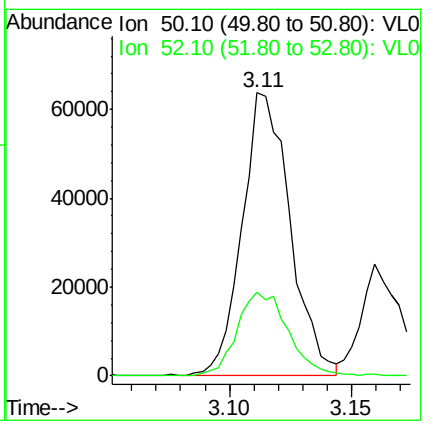


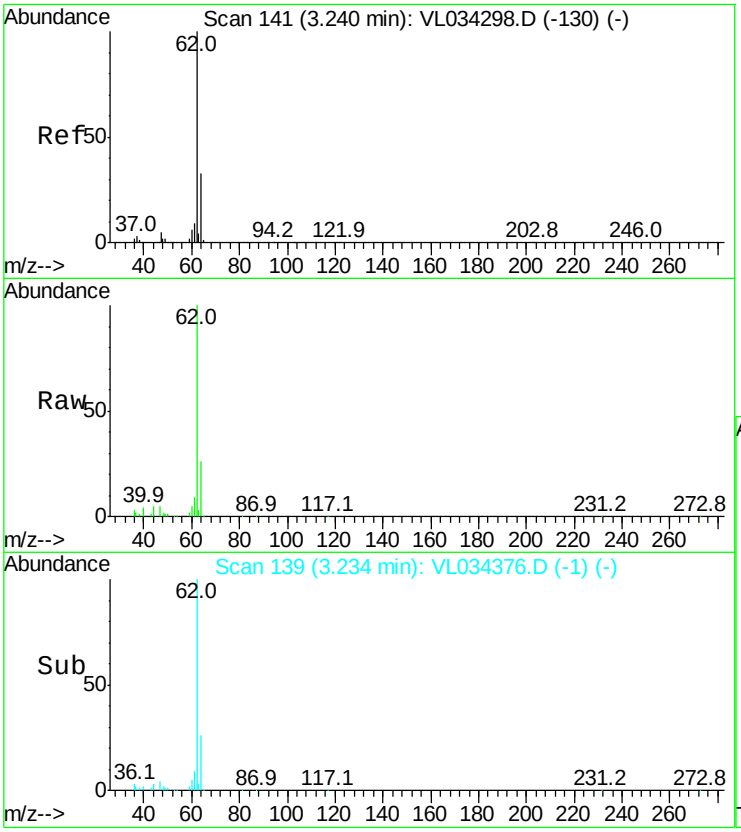




#4
Chloromethane
Concen: 1.182 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 50 Resp: 86812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.9 | 25.4 | 38.2 |



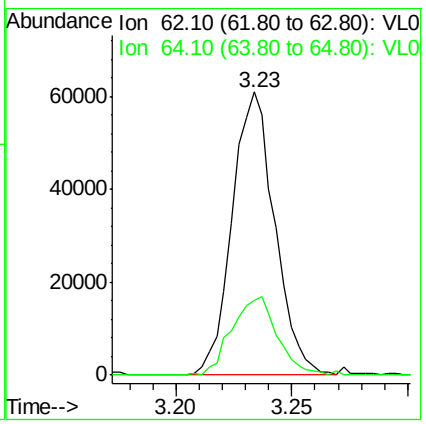


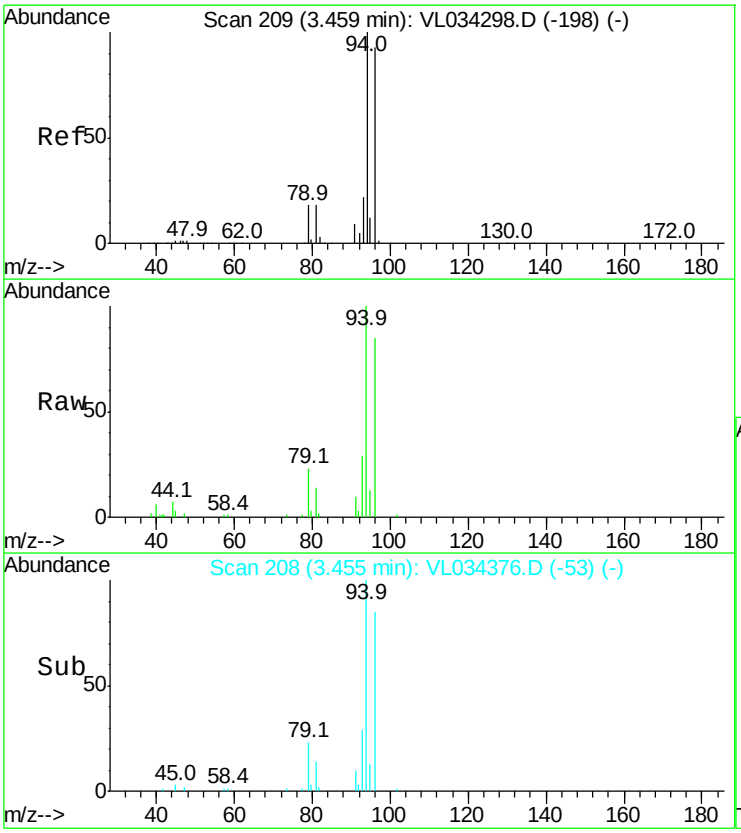

#5
Vinyl Chloride
Concen: 1.110 ppbv
RT: 3.23 min Scan# 139
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 62 Resp: 77798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 26.0 | 26.0 | 39.0# |

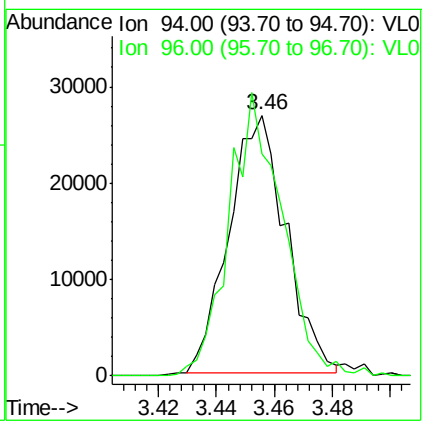


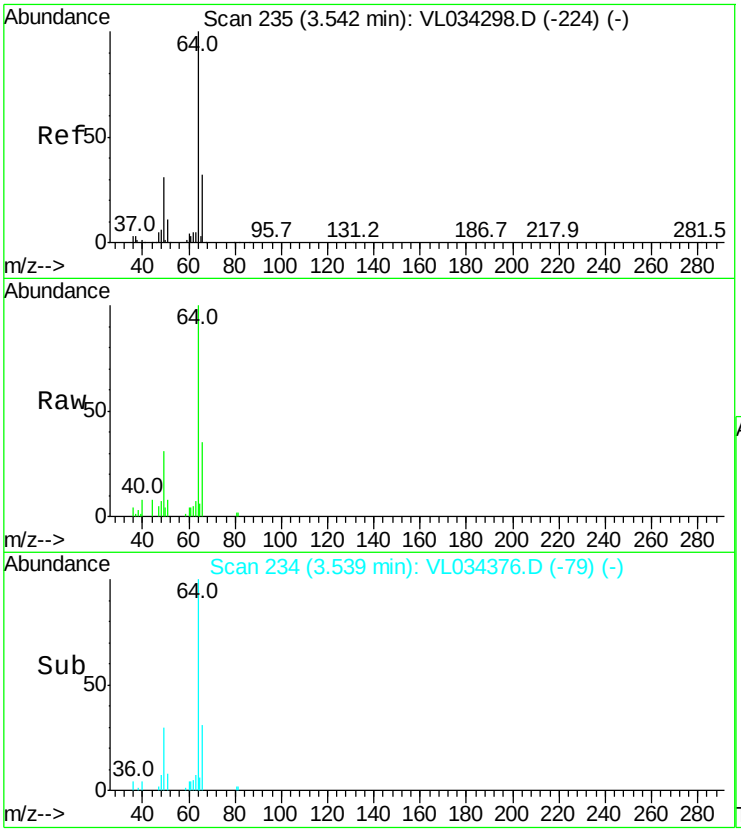




#6
Bromomethane
Concen: 1.068 ppbv
RT: 3.46 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 94 Resp: 36627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 82.2 | 74.6 | 112.0 |



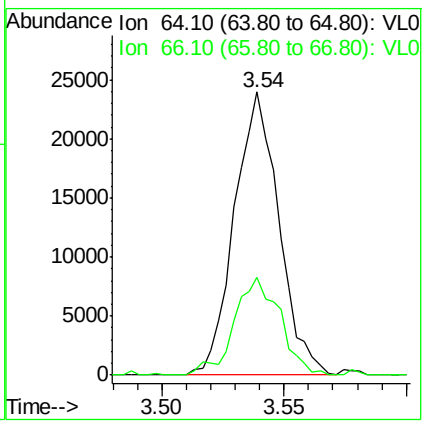


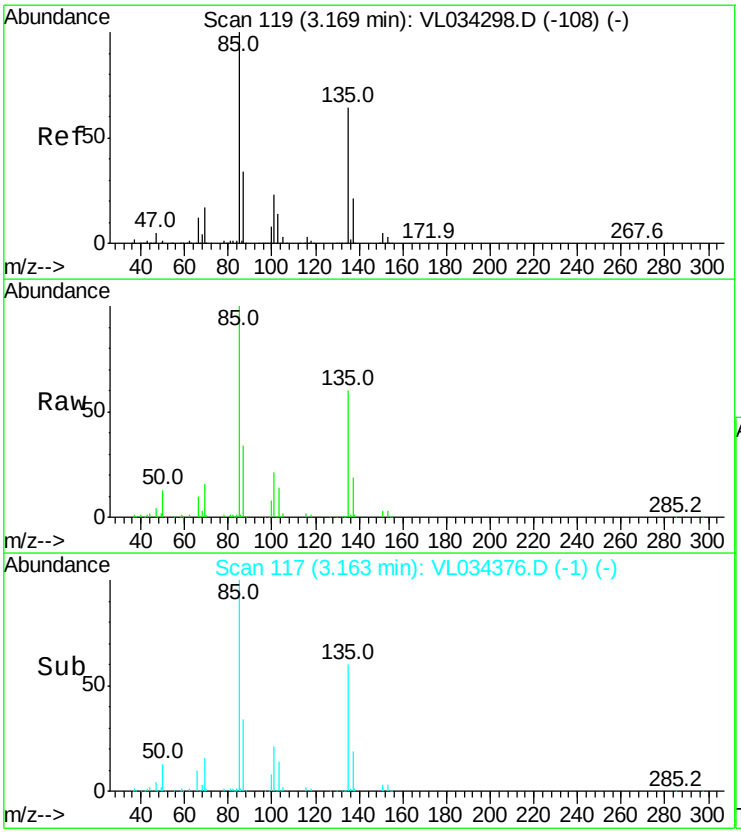

#7
Chloroethane
Concen: 1.227 ppbv
RT: 3.54 min Scan# 234
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 64 Resp: 30263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.7 | 25.4 | 38.0 |

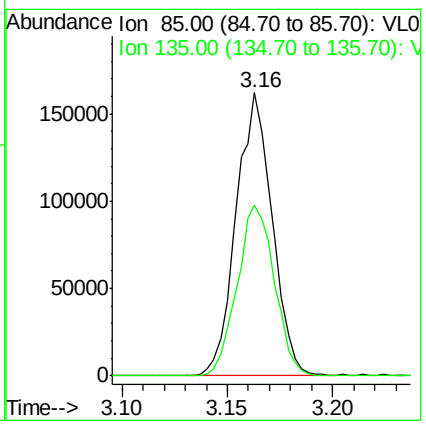


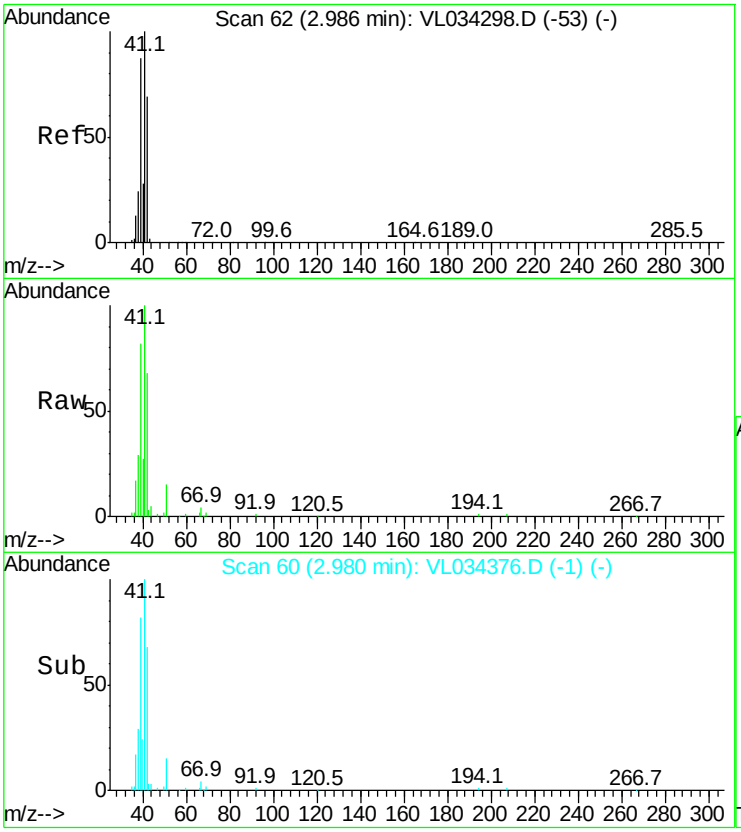




#8
Dichlorotetrafluoroethane
Concen: 1.214 ppbv
RT: 3.16 min Scan# 117
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 85 Resp: 192139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 62.7 | 50.2 | 75.2 |



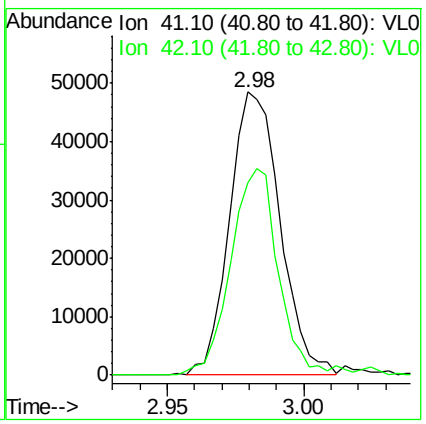


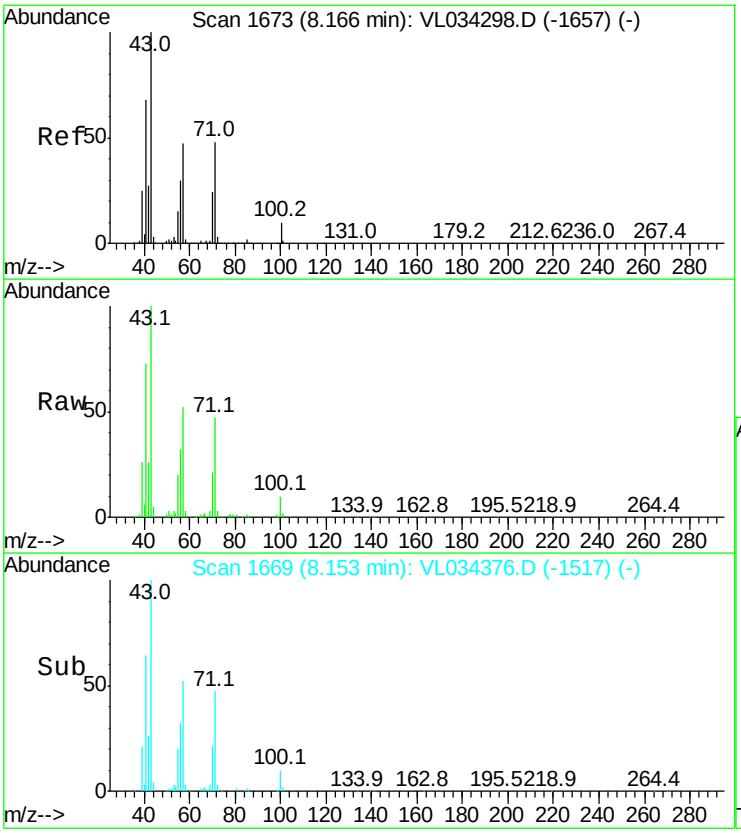

#9
Propene
Concen: 1.133 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 41 Resp: 62388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 69.9 | 53.9 | 80.9 |

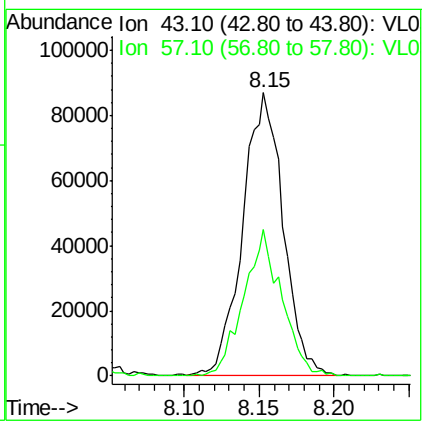


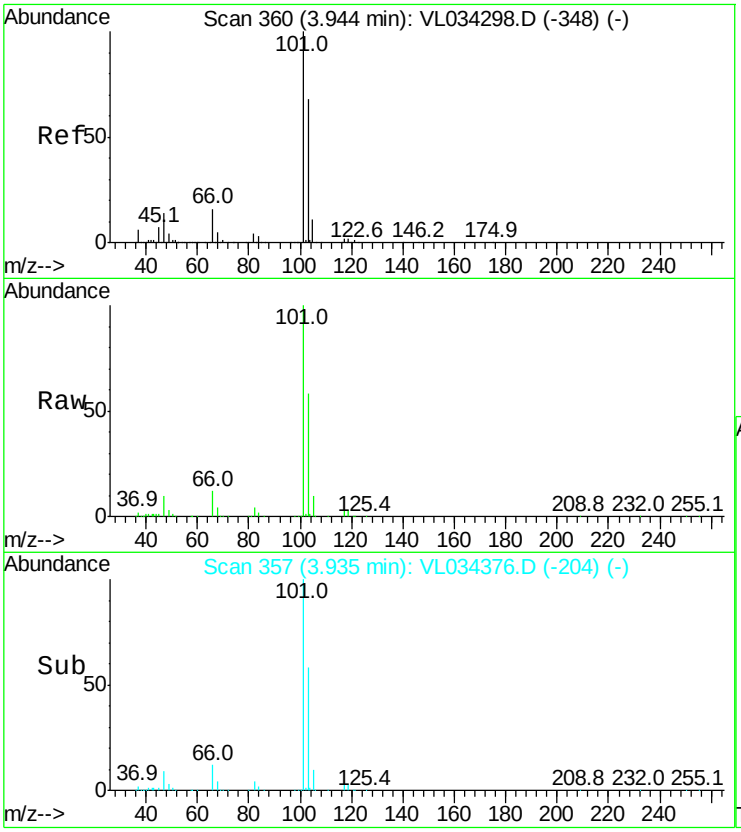




#10
Heptane
Concen: 1.158 ppbv
RT: 8.15 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 43 Resp: 163711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 48.6 | 39.5 | 59.3 |



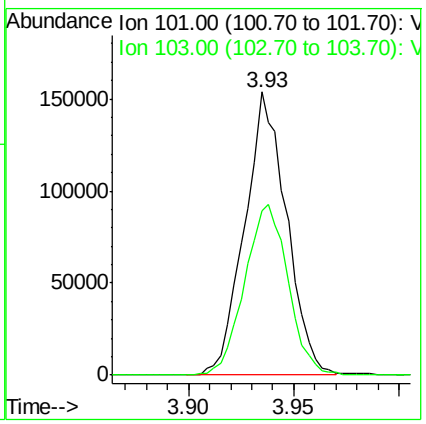


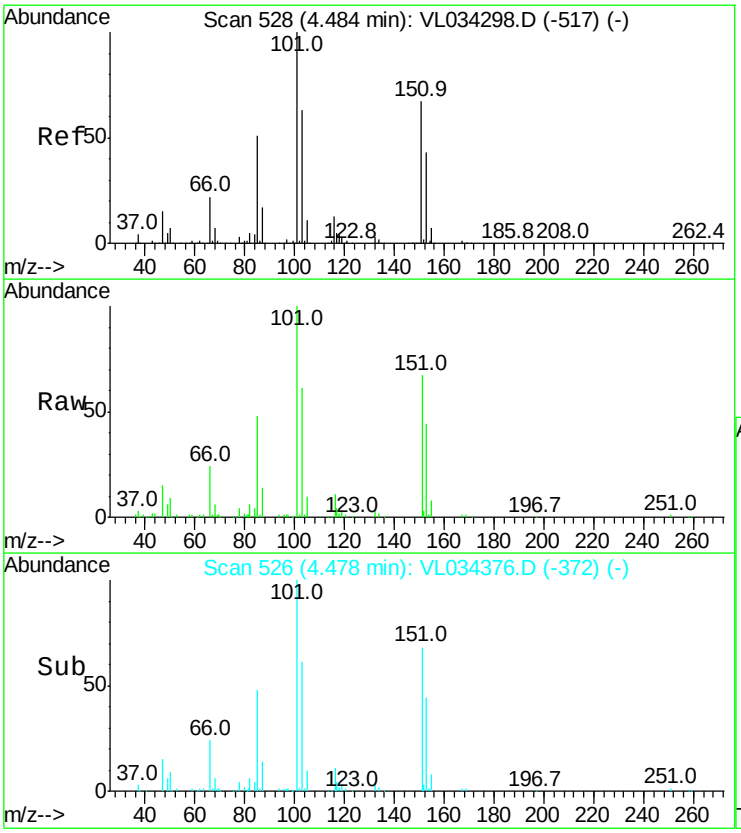

#11
Trichlorofluoromethane
Concen: 1.222 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 211882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.8 | 54.5 | 81.7 |

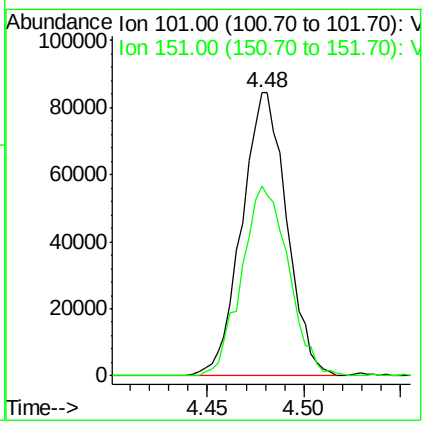


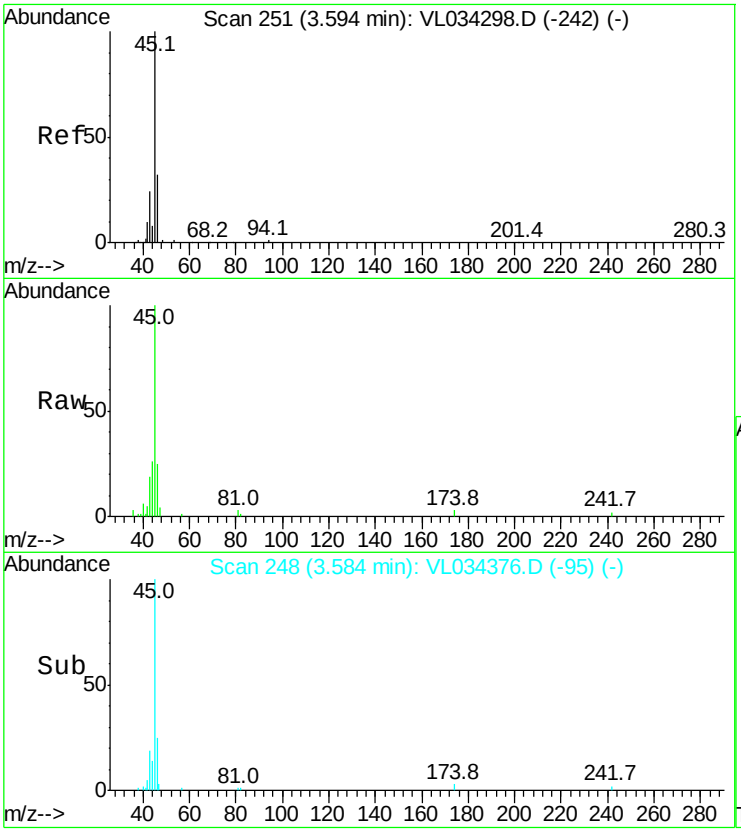




#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.200 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:101 Resp: 136357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 70.3 | 57.4 | 86.2 |



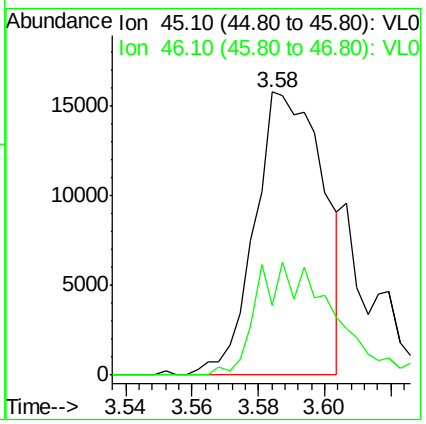


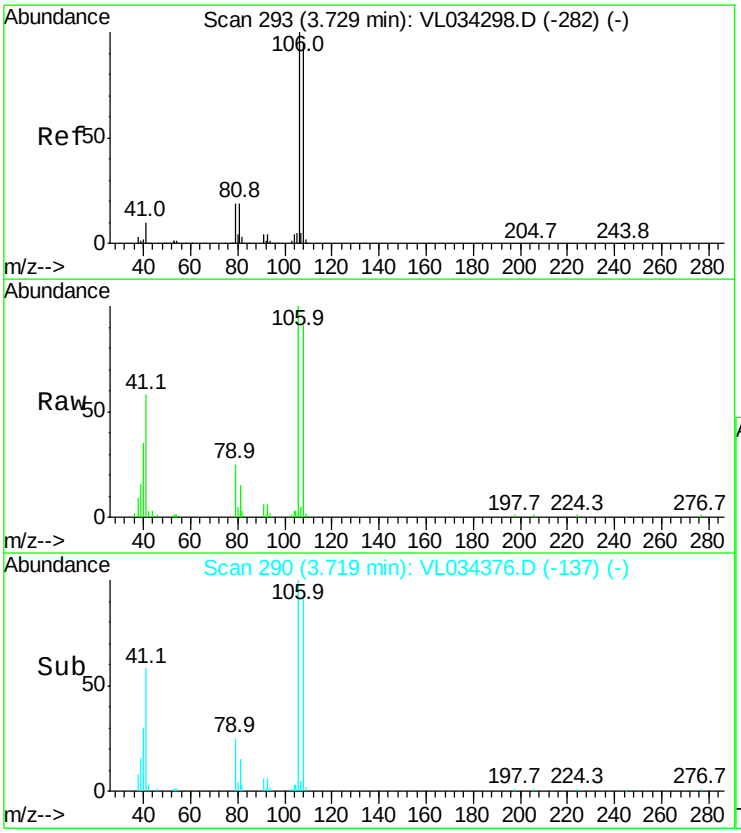

#13
Ethanol
Concen: 1.843 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 45 Resp: 22723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 48.2 | 15.8 | 63.2 |

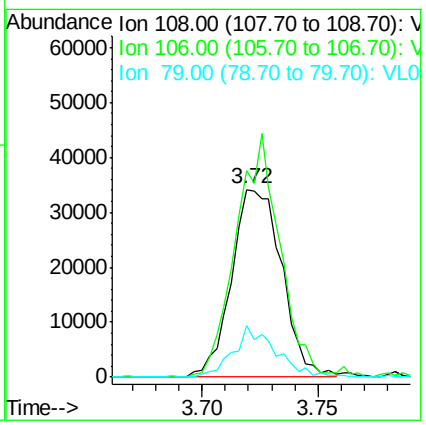


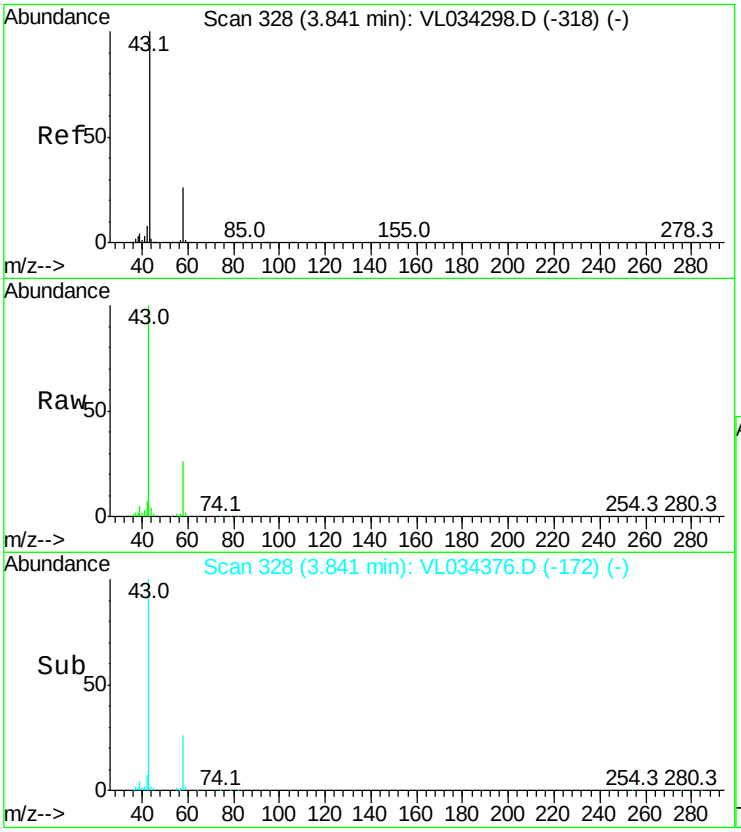




#14
Bromoethene
Concen: 1.148 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:108 Resp: 51347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 116.1 | 84.8 | 127.2 |
| 79 | 23.3 | 17.0 | 25.4 |



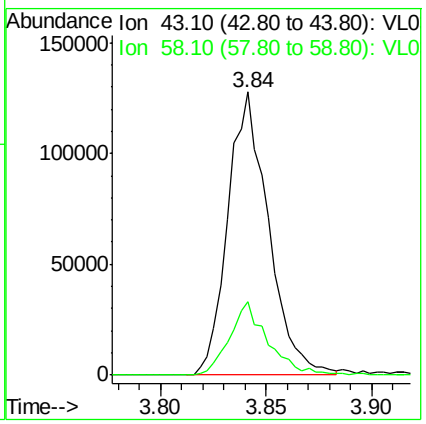


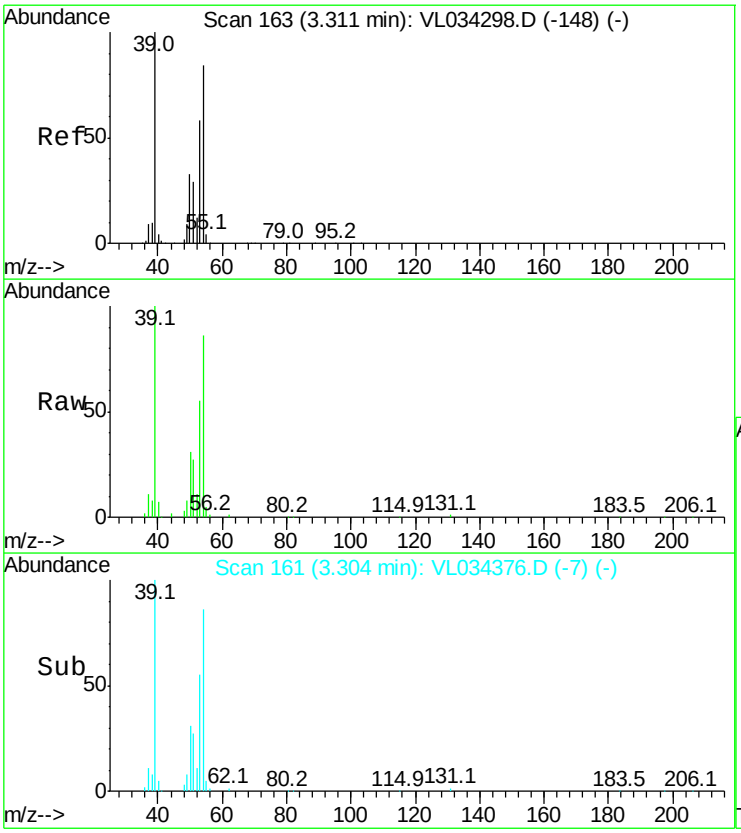

#15
Acetone
Concen: 1.128 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 171004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.7 | 20.4 | 30.6 |

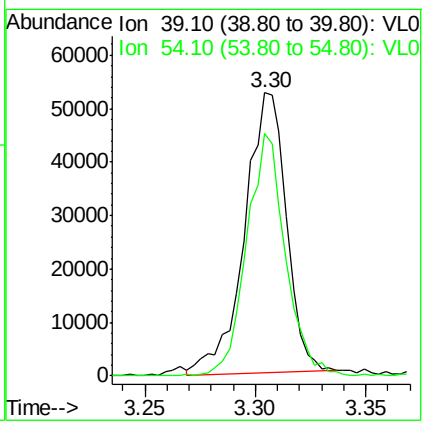


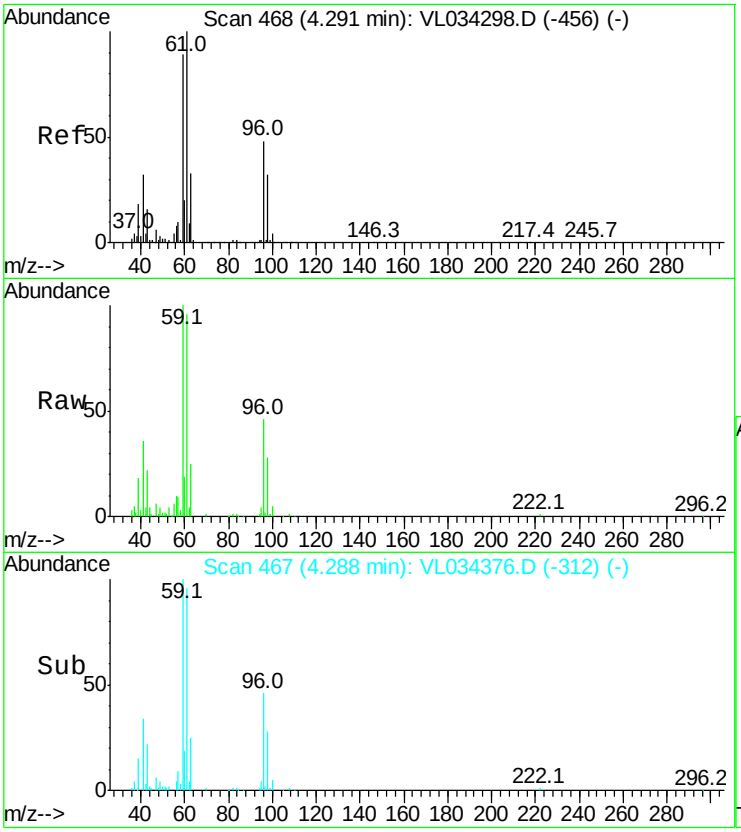




#16
1,3-Butadiene
Concen: 1.119 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 39 Resp: 68946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 80.3 | 63.9 | 95.9 |



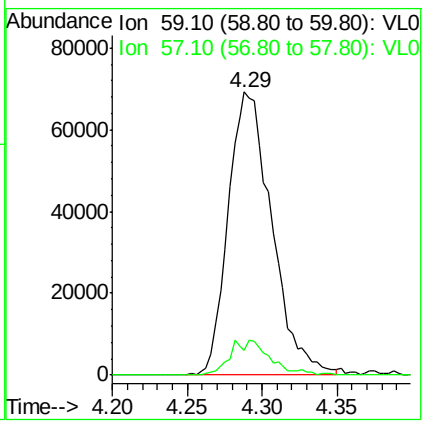


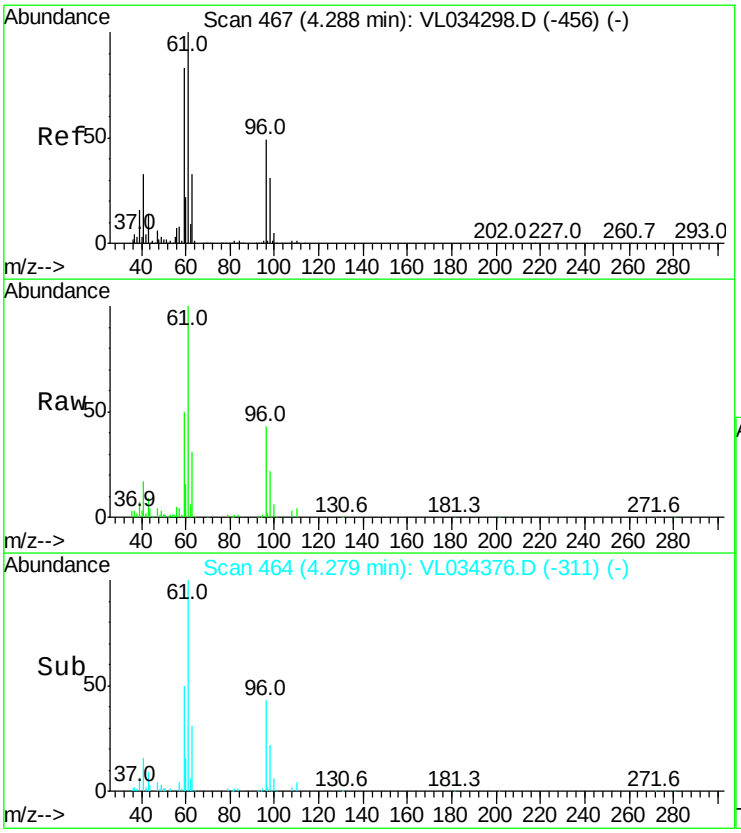

#17
tert-Butyl alcohol
Concen: 1.450 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 59 Resp: 140265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.5 | 8.8 | 13.2 |

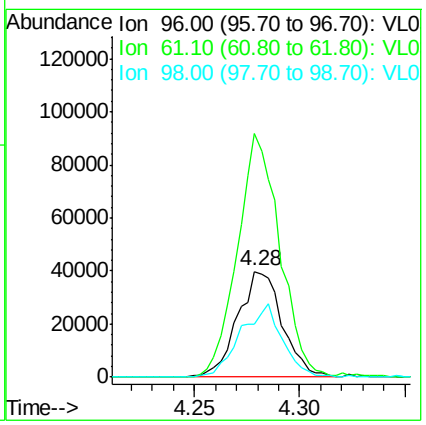


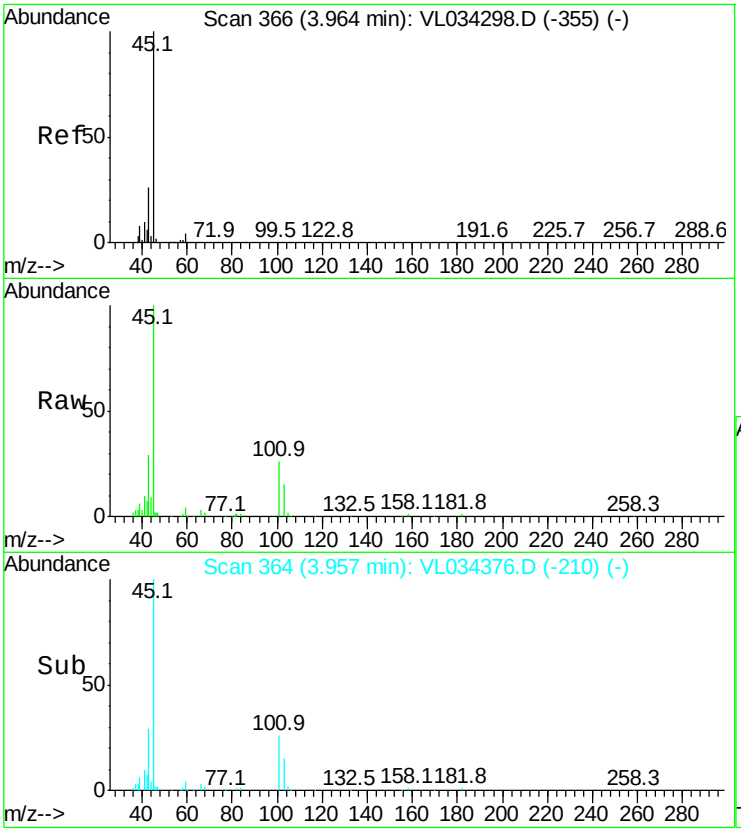




#18
1,1-Dichloroethene
Concen: 1.172 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 96 Resp: 58294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 230.3 | 164.5 | 246.7 |
| 98 | 50.4 | 51.7 | 77.5# |



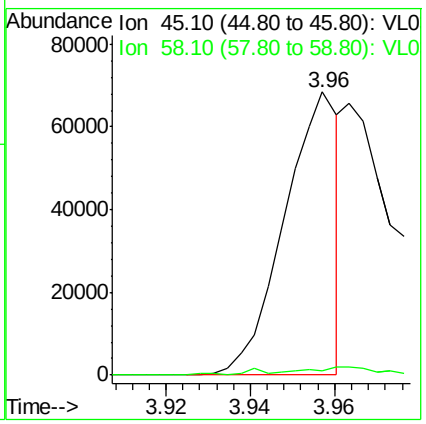


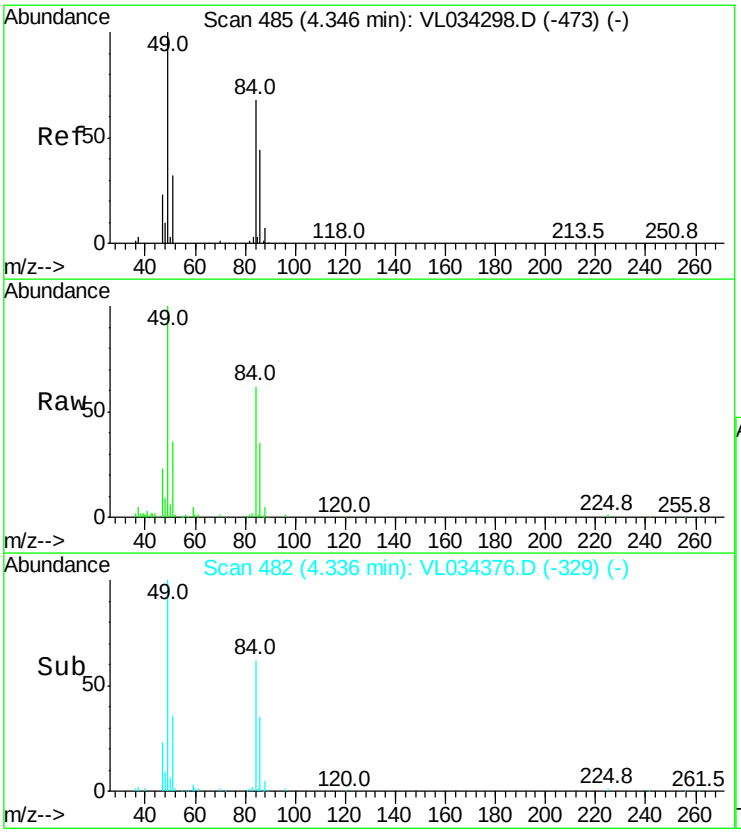

#19
Isopropyl Alcohol
Concen: 0.720 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 45 Resp: 60861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 6.3 | 1.4 | 2.2# |

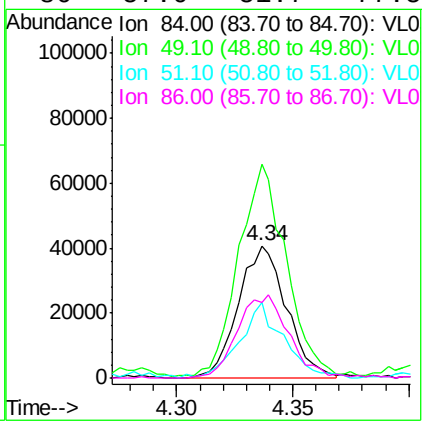


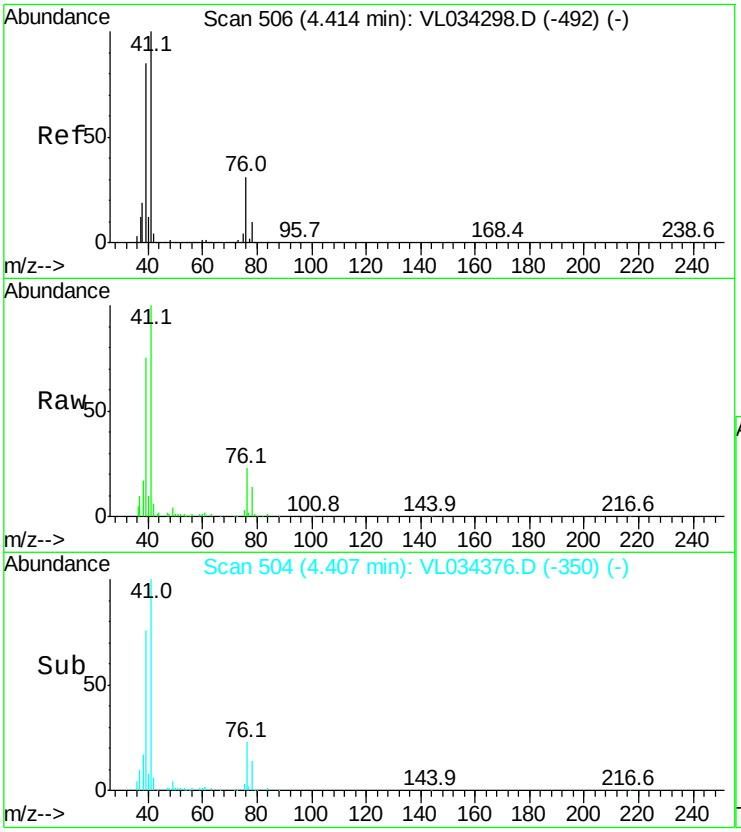




#20
Methylene Chloride
Concen: 1.072 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 84 Resp: 58752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 159.1 | 118.5 | 177.7 |
| 51 | 54.8 | 38.8 | 58.2 |
| 86 | 57.0 | 51.7 | 77.5 |



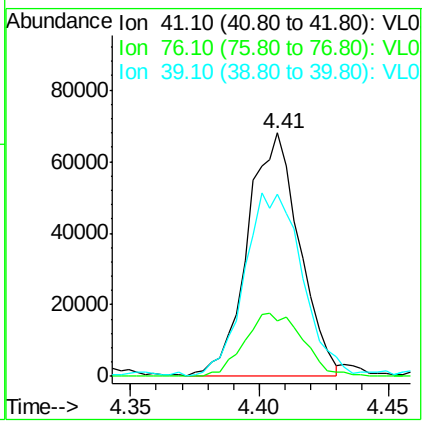


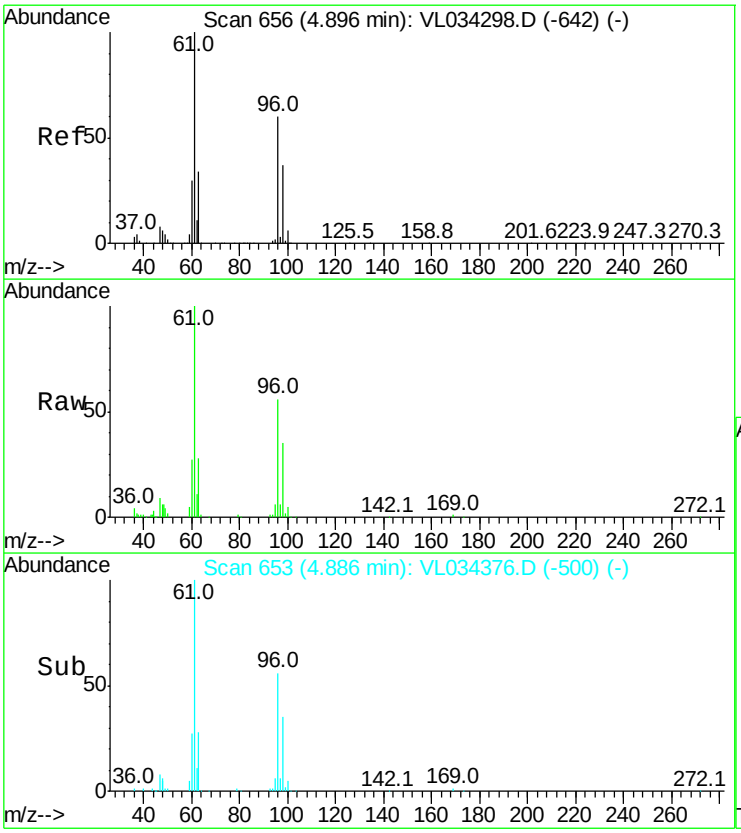

#21
Allyl Chloride
Concen: 1.130 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 41 Resp: 94716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 29.5 | 22.8 | 34.2 |
| 39 | 89.3 | 66.0 | 99.0 |

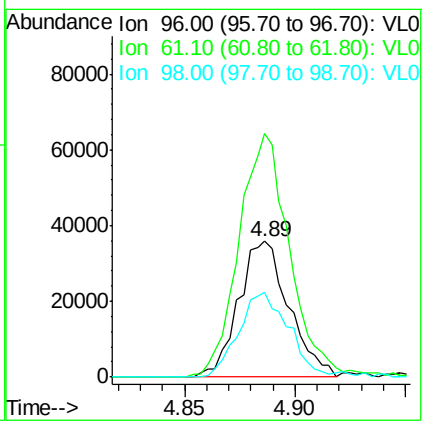


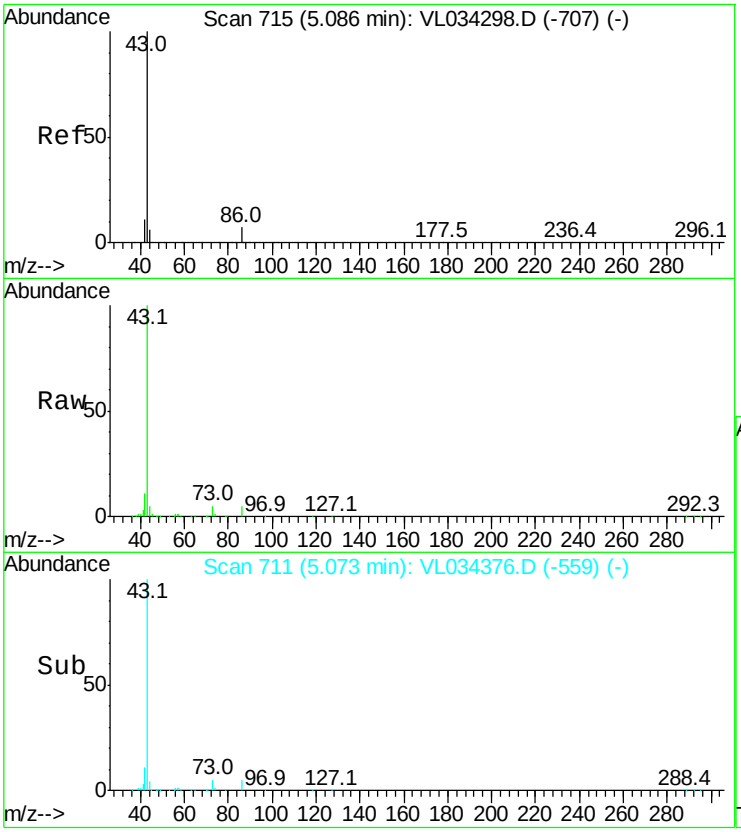




#22
trans-1,2-Dichloroethene
Concen: 1.142 ppbv
RT: 4.89 min Scan# 653
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 96 Resp: 56672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.7 | 133.8 | 200.6 |
| 98 | 62.1 | 49.4 | 74.0 |



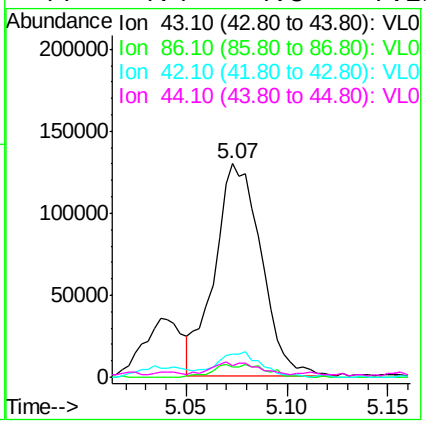


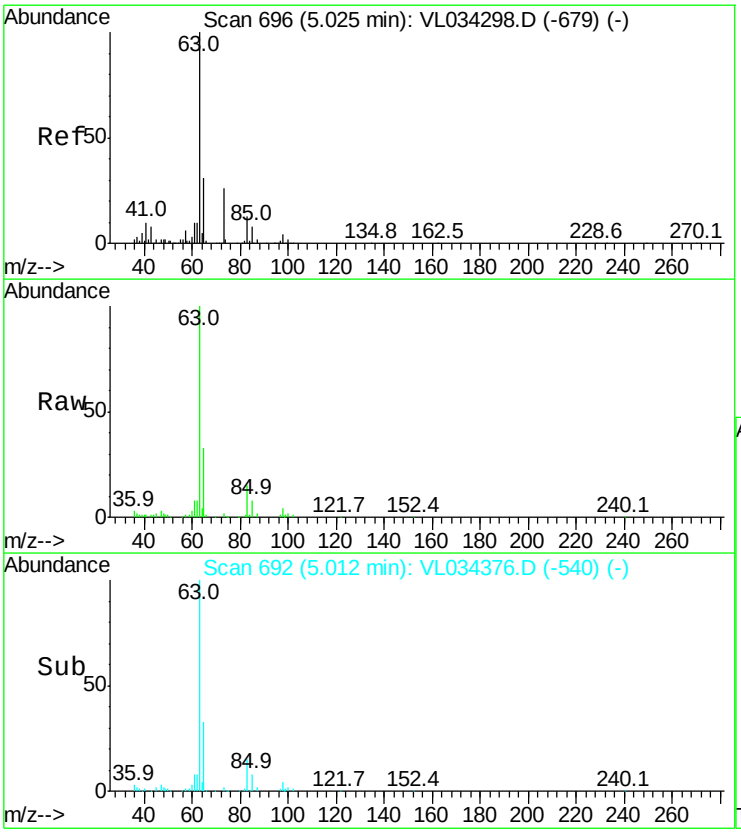

#23
Vinyl Acetate
Concen: 1.100 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 43 Resp: 208322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 4.6 | 5.0 | 7.4# |
| 42 | 10.3 | 8.6 | 13.0 |
| 44 | 4.4 | 4.8 | 7.2# |

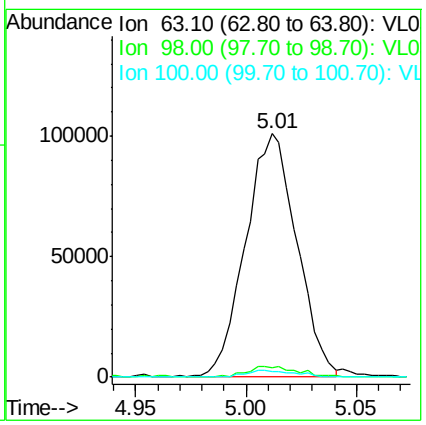


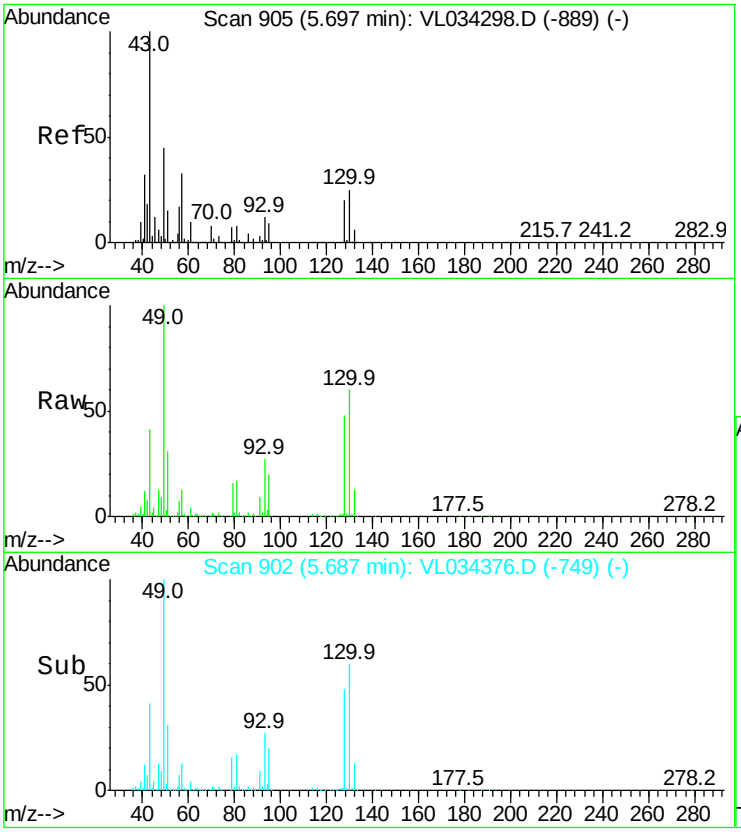




#24
1,1-Dichloroethane
Concen: 1.151 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 63 Resp: 161757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 3.9 | 2.0 | 6.0 |
| 100 | 2.1 | 1.1 | 3.5 |



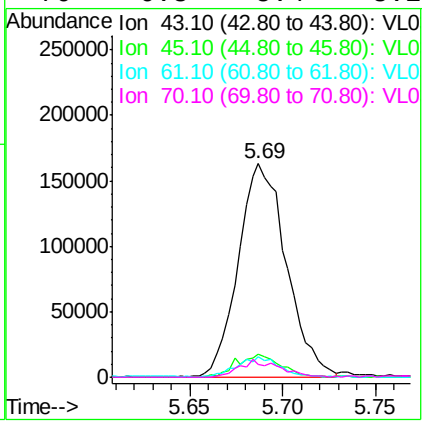


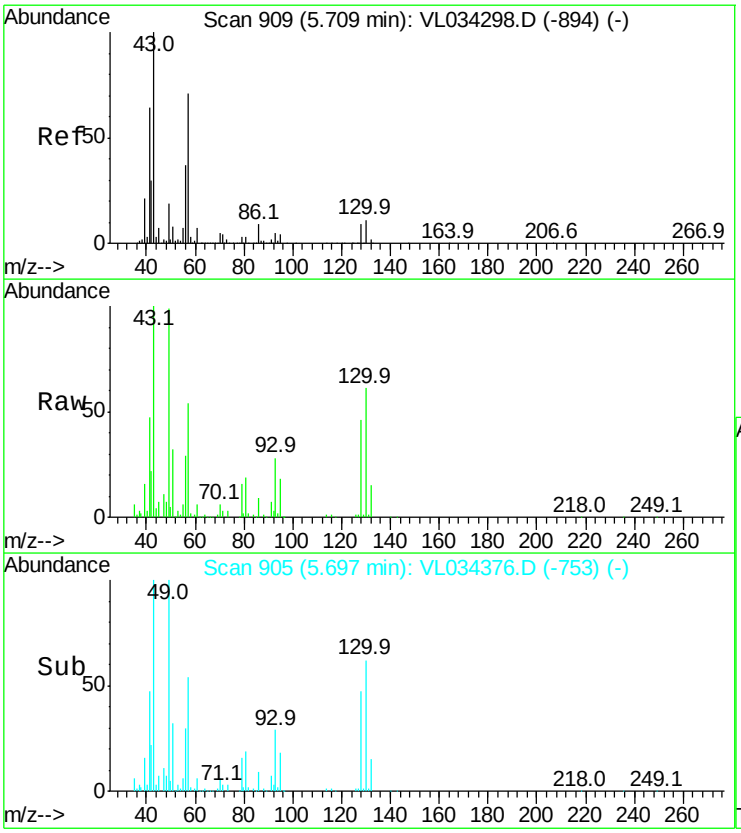

#25
Ethyl Acetate
Concen: 1.146 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 43 Resp: 293244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 10.2 | 8.3 | 12.5 |
| 61 | 9.1 | 7.7 | 11.5 |
| 70 | 6.8 | 5.4 | 8.2 |

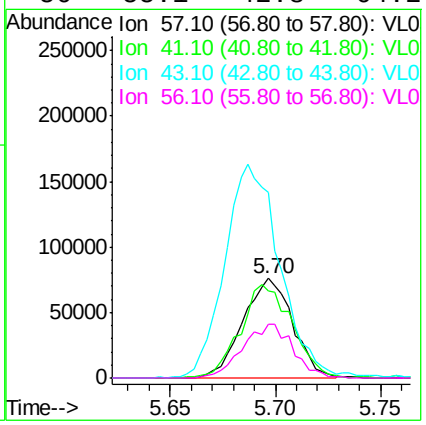


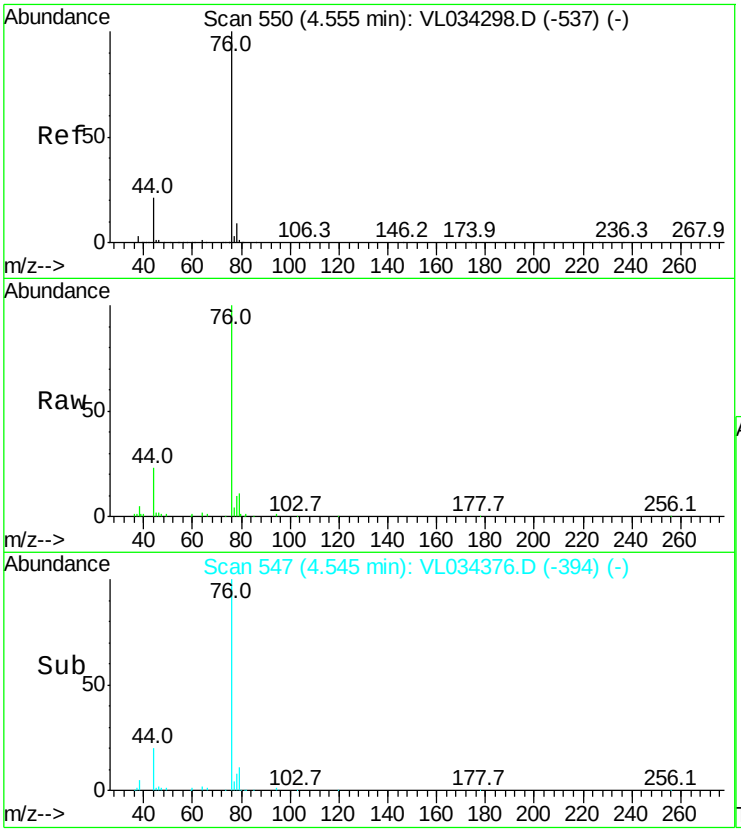




#26
Hexane
Concen: 1.137 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 57 Resp: 124049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 98.6 | 76.5 | 114.7 |
| 43 | 241.9 | 188.5 | 282.7 |
| 56 | 55.1 | 42.8 | 64.2 |



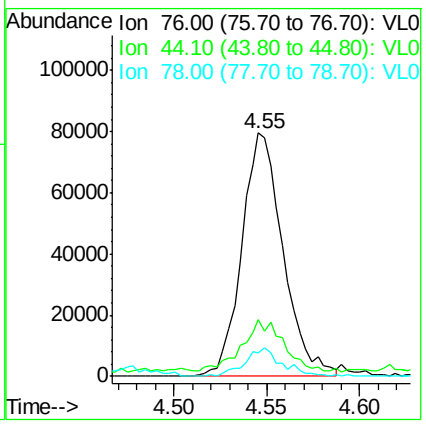


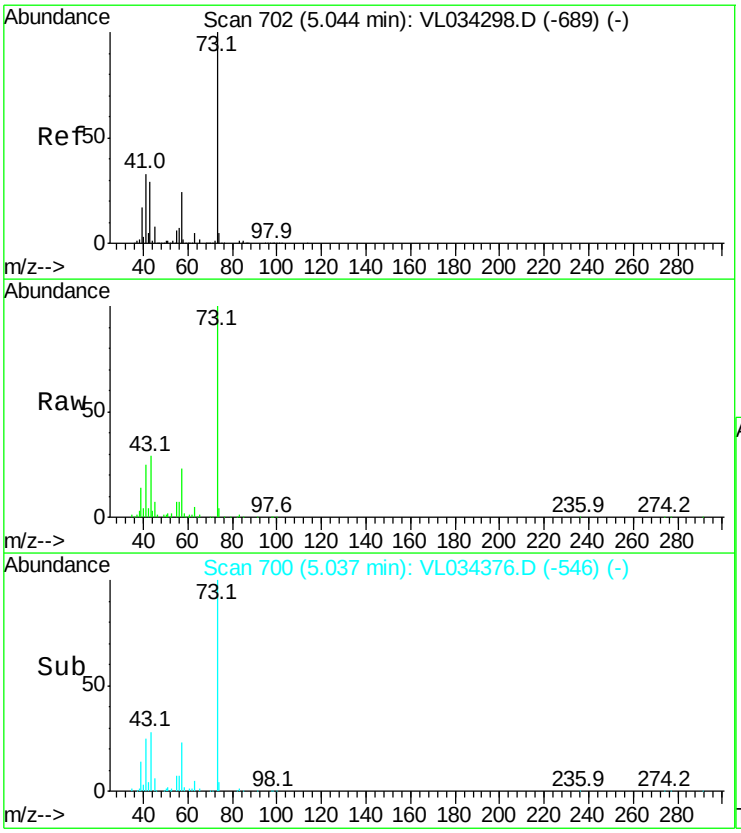

#27
Carbon Disulfide
Concen: 1.087 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 123144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 23.8 | 17.3 | 25.9 |
| 78 | 10.8 | 7.8 | 11.6 |

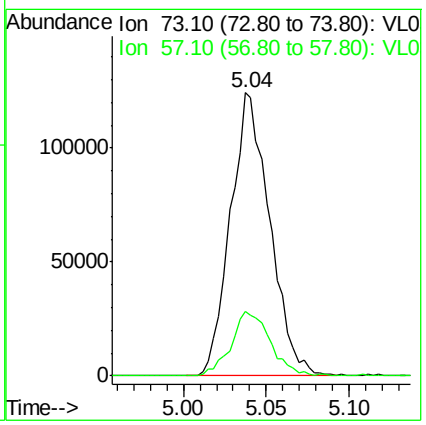


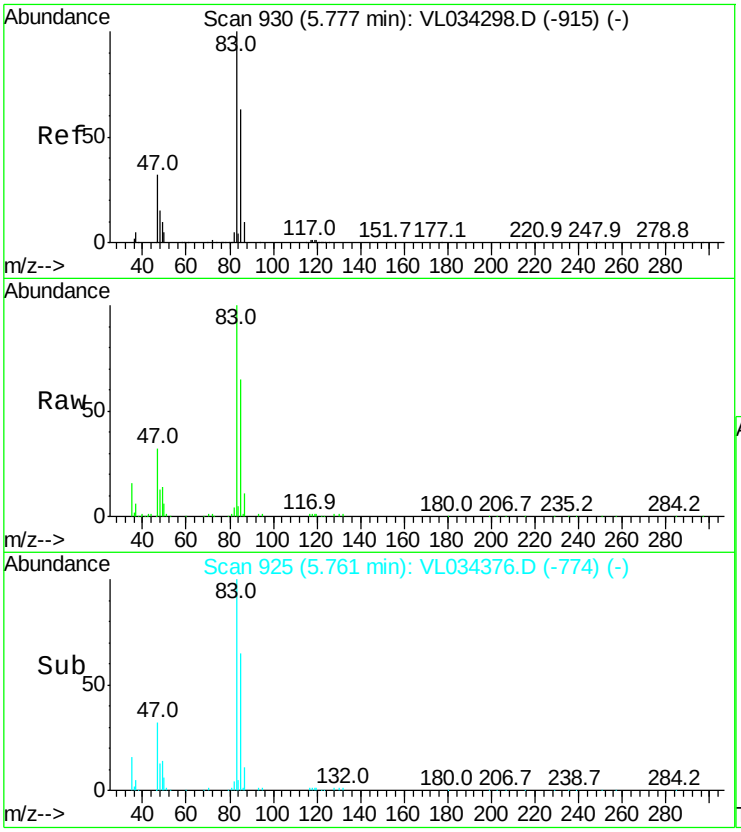




#28
Methyl tert-Butyl Ether
Concen: 1.241 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 73 Resp: 204832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.9 | 19.2 | 28.8 |



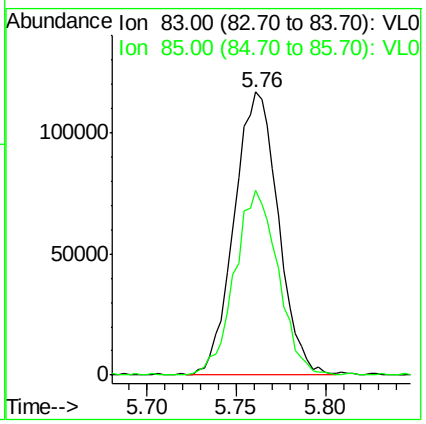


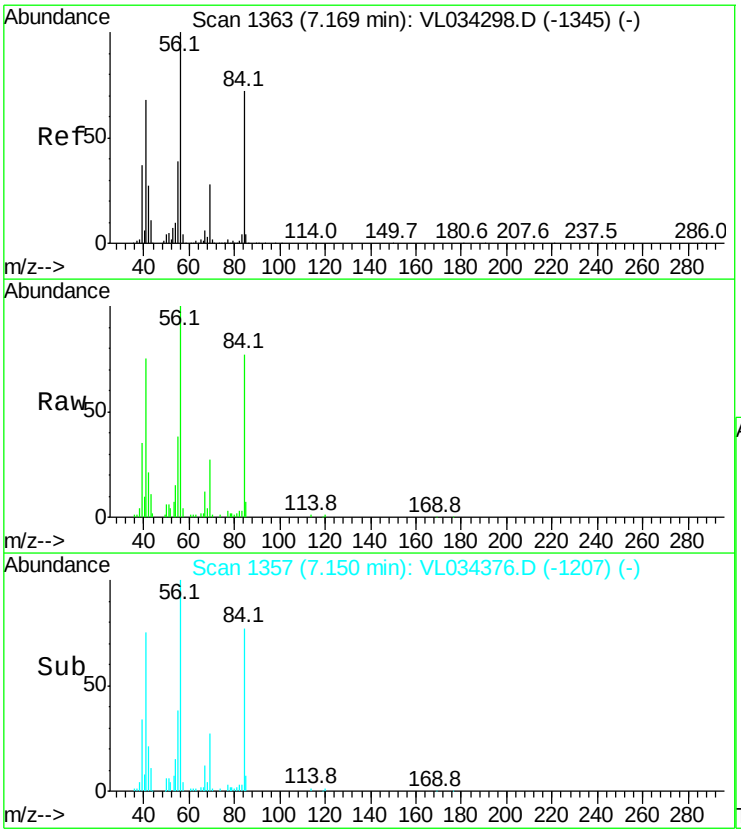

#29
Chloroform
Concen: 1.165 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 200949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 50.5 | 75.7 |

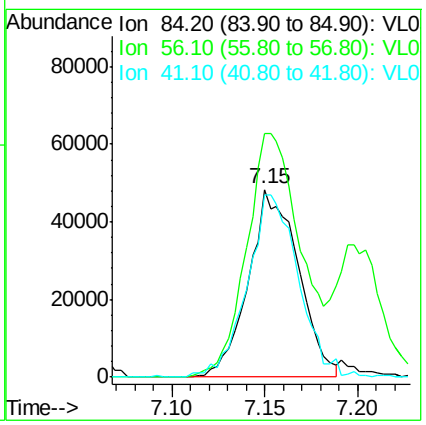


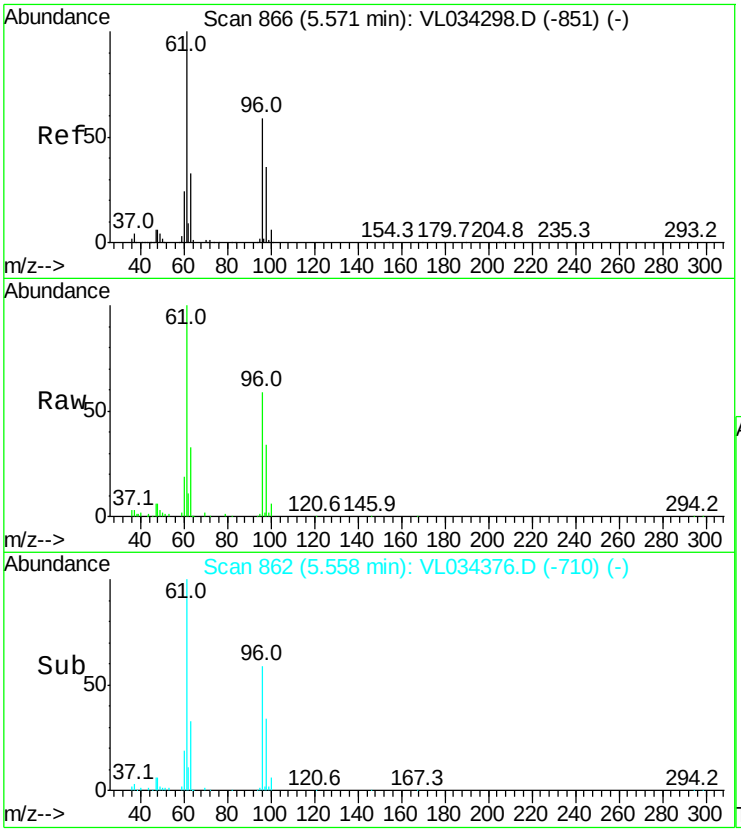




#30
Cyclohexane
Concen: 1.123 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 84 Resp: 90088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 144.6 | 119.4 | 179.0 |
| 41 | 100.3 | 78.7 | 118.1 |



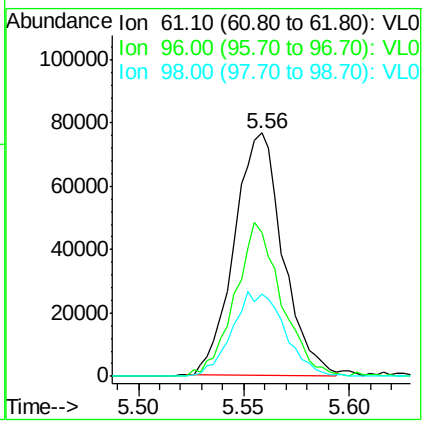


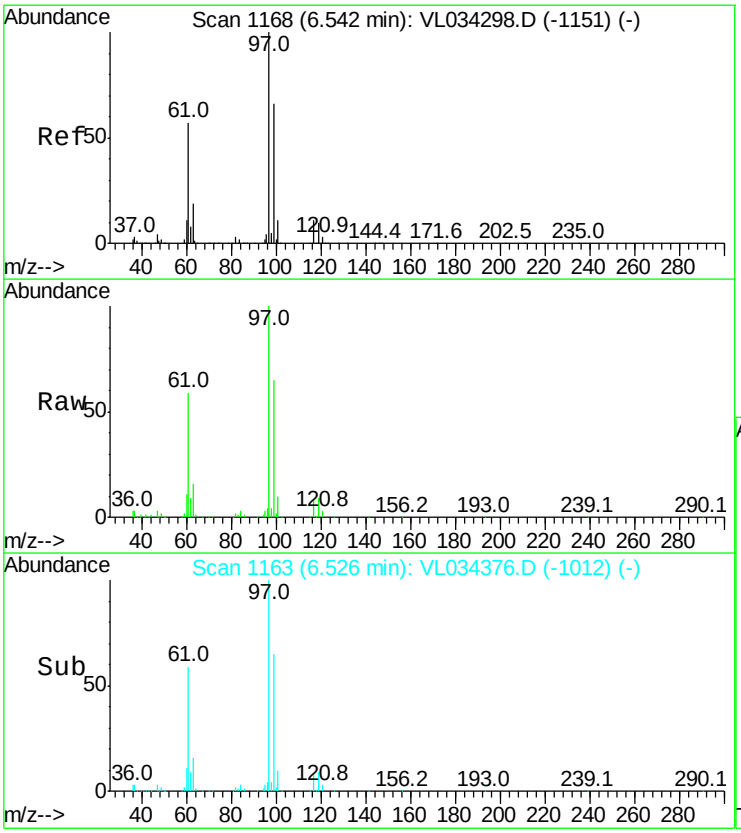

#31
cis-1,2-Dichloroethene
Concen: 1.111 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 61 Resp: 123026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 59.4 | 47.5 | 71.3 |
| 98 | 34.2 | 28.8 | 43.2 |

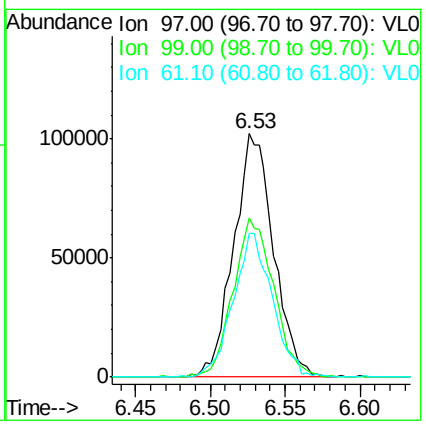


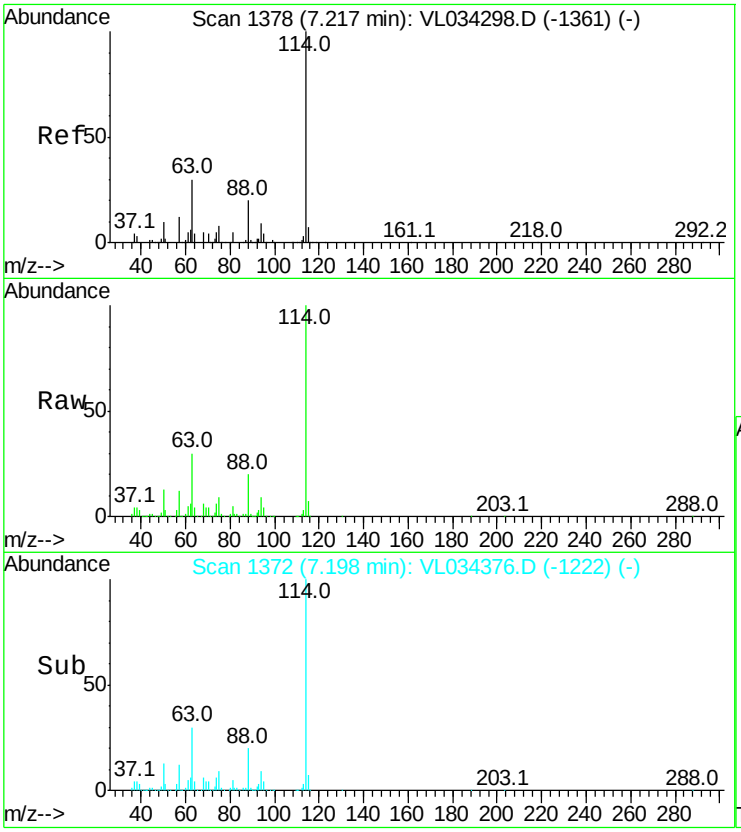




#32
1,1,1-Trichloroethane
Concen: 1.129 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 97 Resp: 189510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.6 | 52.6 | 78.8 |
| 61 | 57.8 | 44.5 | 66.7 |



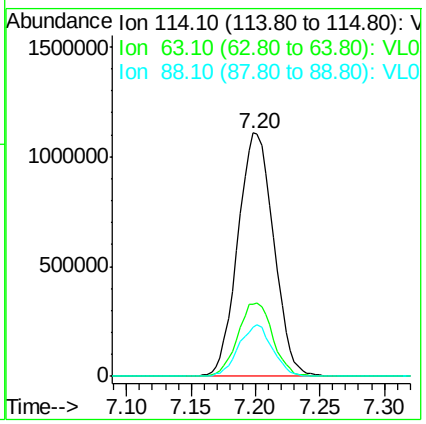


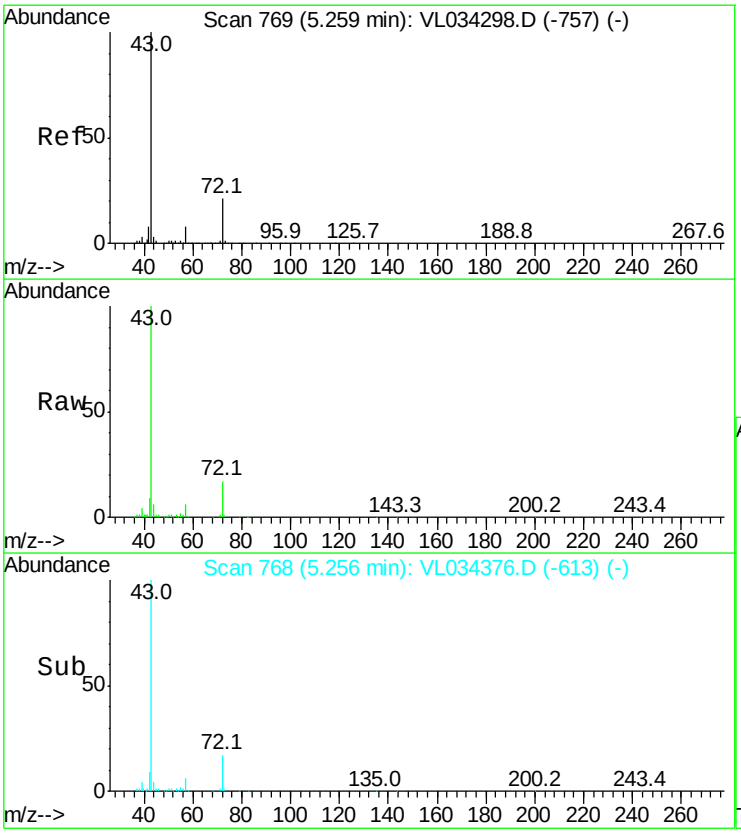

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:114 Resp: 2147136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 29.6 | 25.2 | 37.8 |
| 88 | 19.8 | 16.0 | 24.0 |

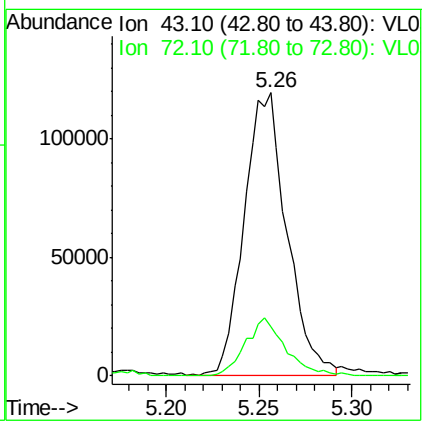


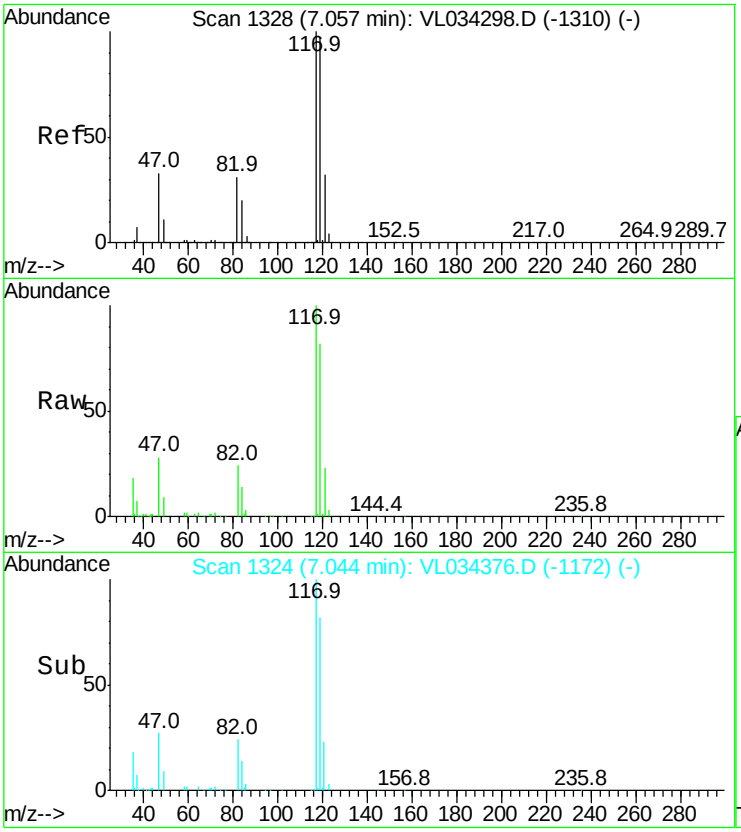




#34
2-Butanone
Concen: 1.091 ppbv
RT: 5.26 min Scan# 768
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 43 Resp: 191528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 19.4 | 16.3 | 24.5 |



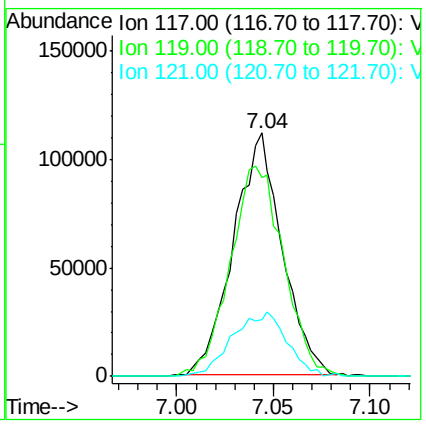


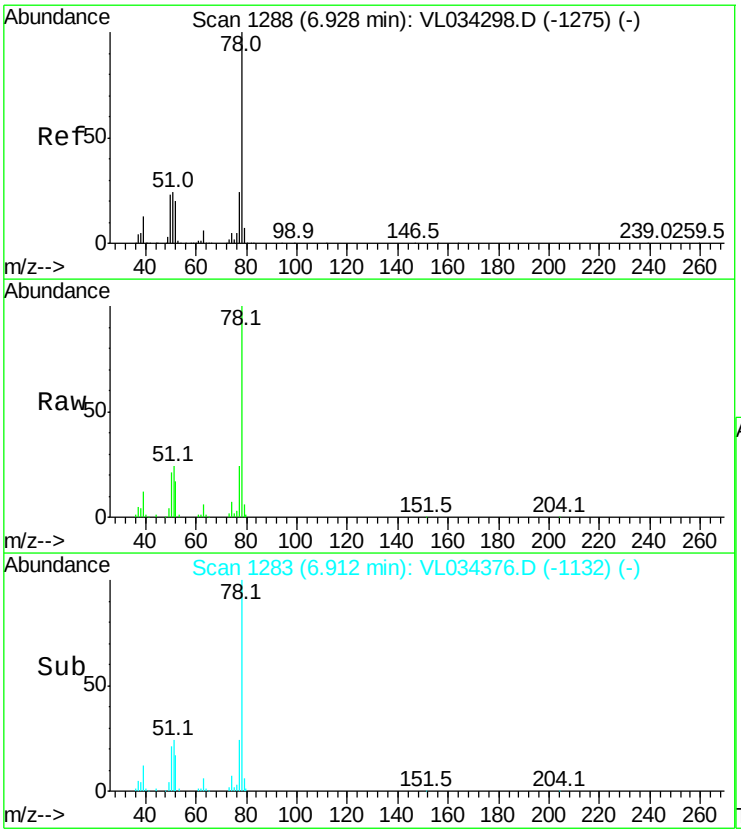

#35
Carbon Tetrachloride
Concen: 1.045 ppbv
RT: 7.04 min Scan# 1324
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion:117 Resp: 195397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 80.9 | 77.3 | 115.9 |
| 121 | 22.5 | 25.5 | 38.3# |

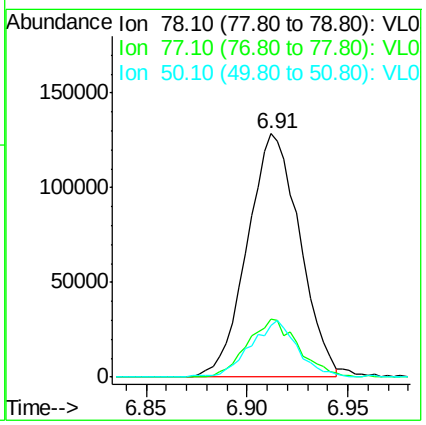


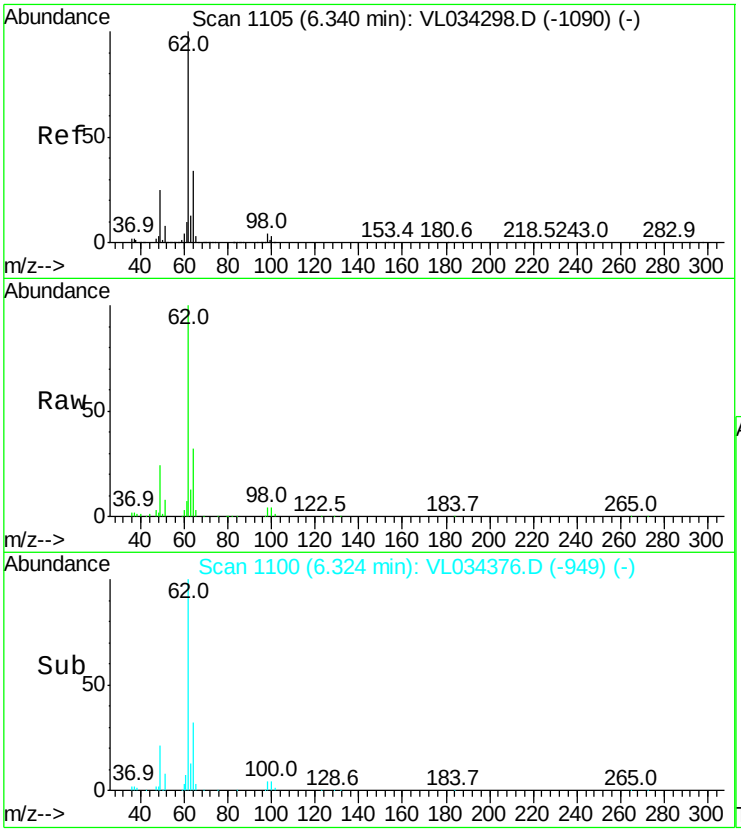




#36
Benzene
Concen: 1.127 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 78 Resp: 232106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.0 | 28.4 |
| 50 | 21.3 | 18.6 | 27.8 |



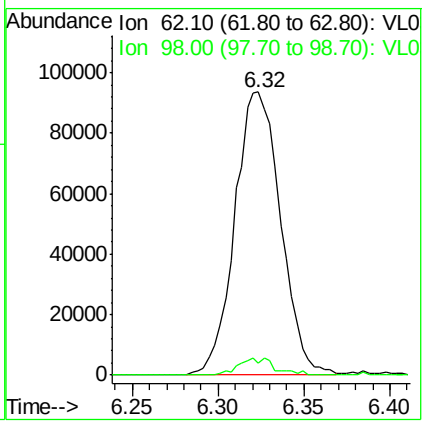


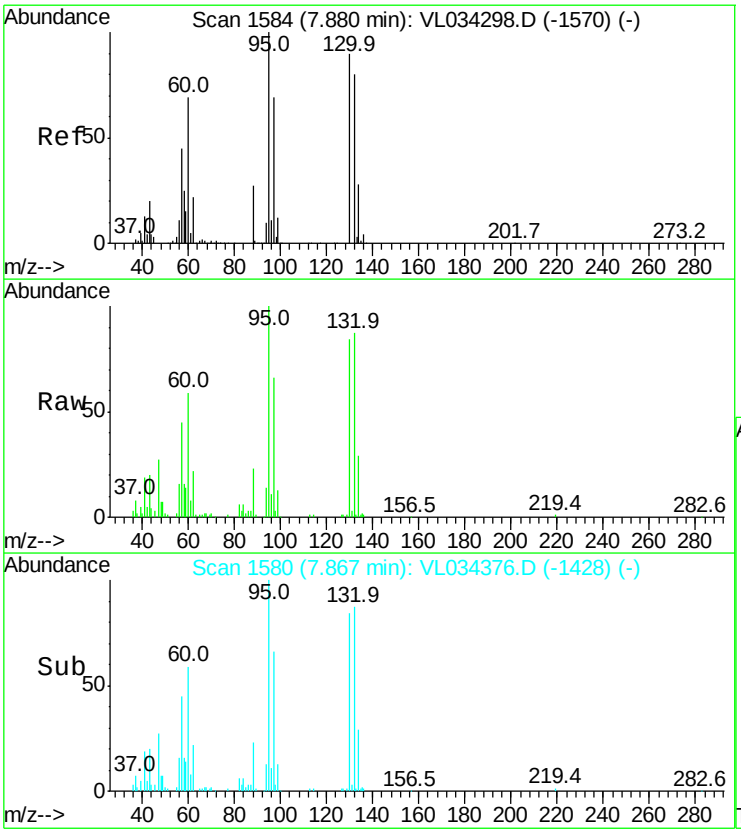

#37
1,2-Dichloroethane
Concen: 1.131 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 62 Resp: 173703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 4.9 | 3.8 | 5.6 |

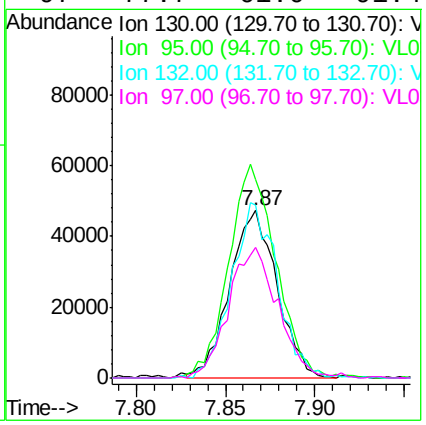


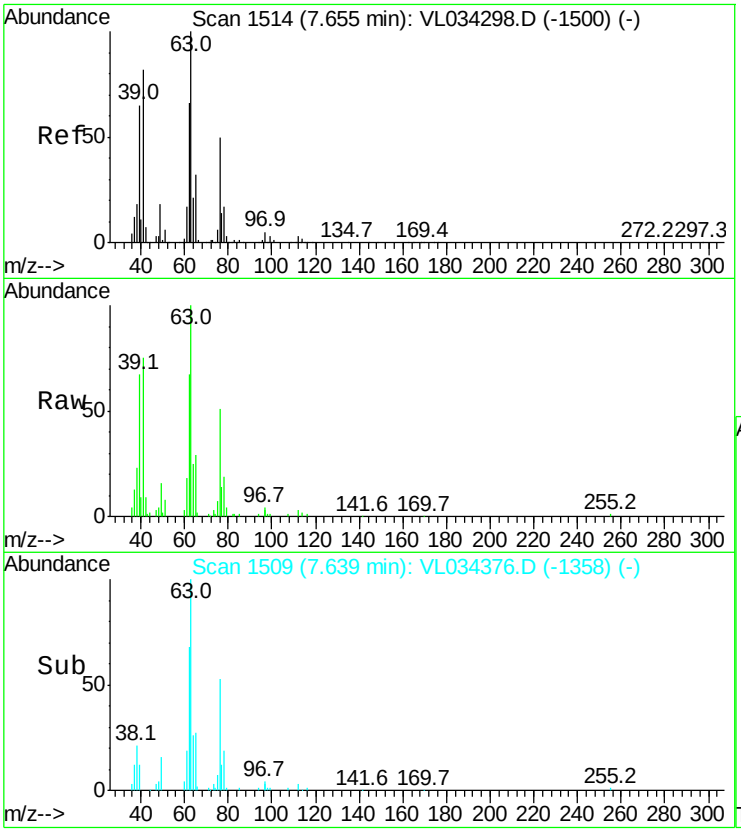




#38
Trichloroethene
Concen: 1.058 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:130 Resp: 87484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 116.5 | 88.6 | 132.8 |
| 132 | 103.7 | 71.2 | 106.8 |
| 97 | 77.7 | 61.0 | 91.4 |



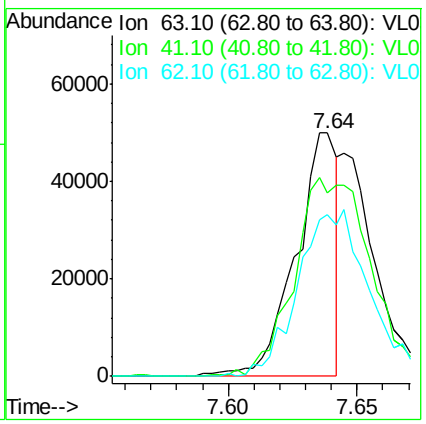


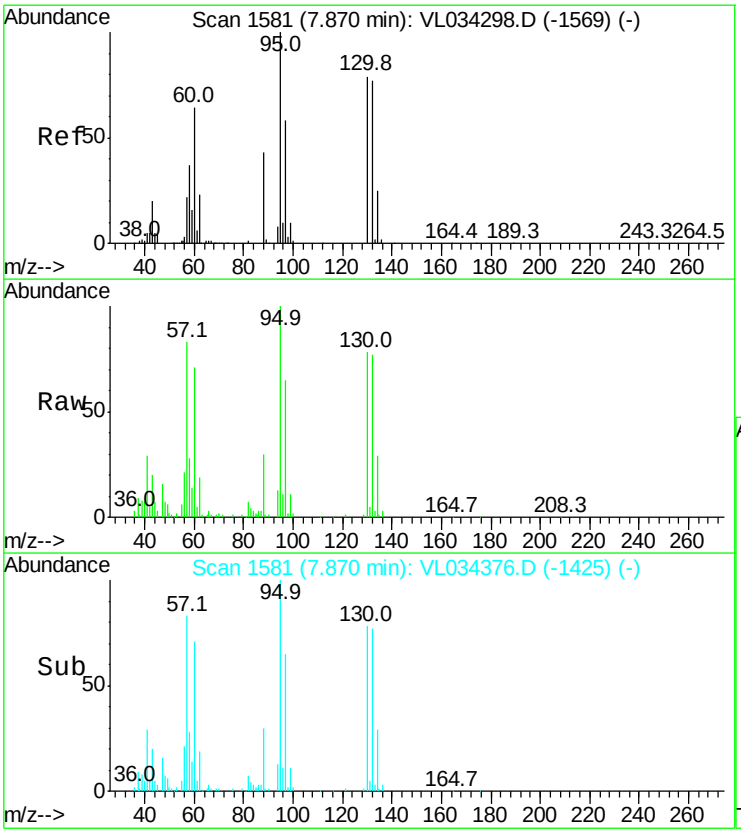

#39
1,2-Dichloropropane
Concen: 0.623 ppbv
RT: 7.64 min Scan# 1509
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 63 Resp: 55232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 75.4 | 65.6 | 98.4 |
| 62 | 66.5 | 53.0 | 79.6 |

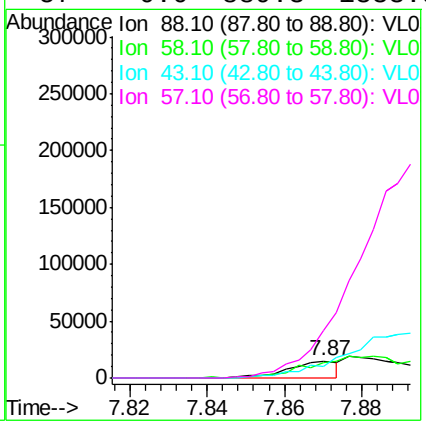


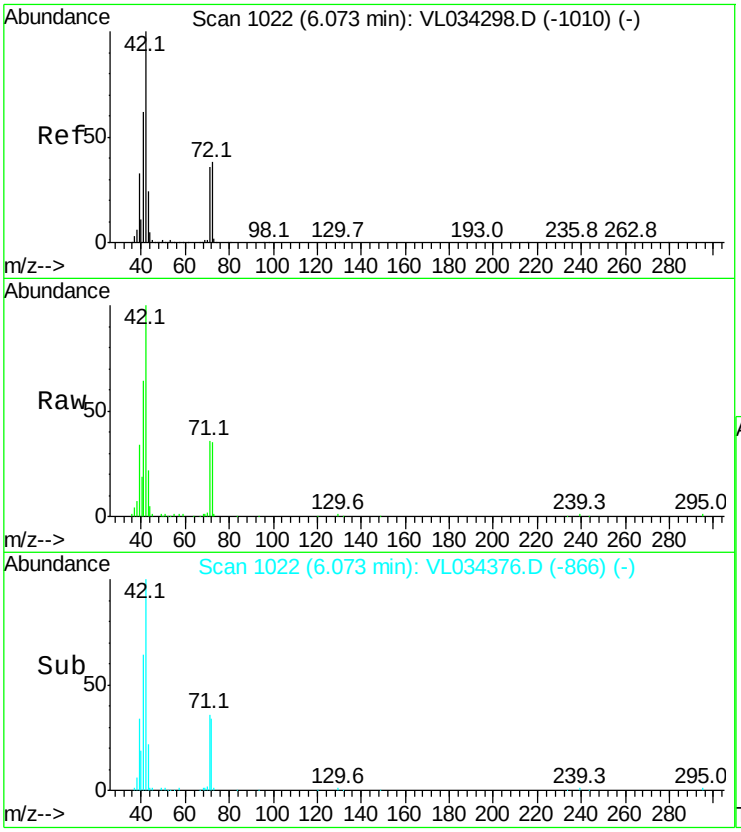




#40
1,4-Dioxane
Concen: 0.434 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 88 Resp: 13522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 110.3 | 165.5# |
| 43 | 0.0 | 228.1 | 342.1# |
| 57 | 0.0 | 889.3 | 1333.9# |



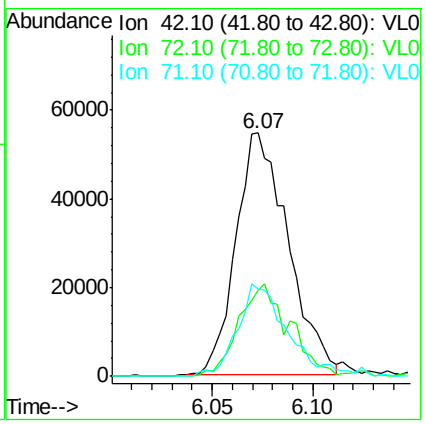


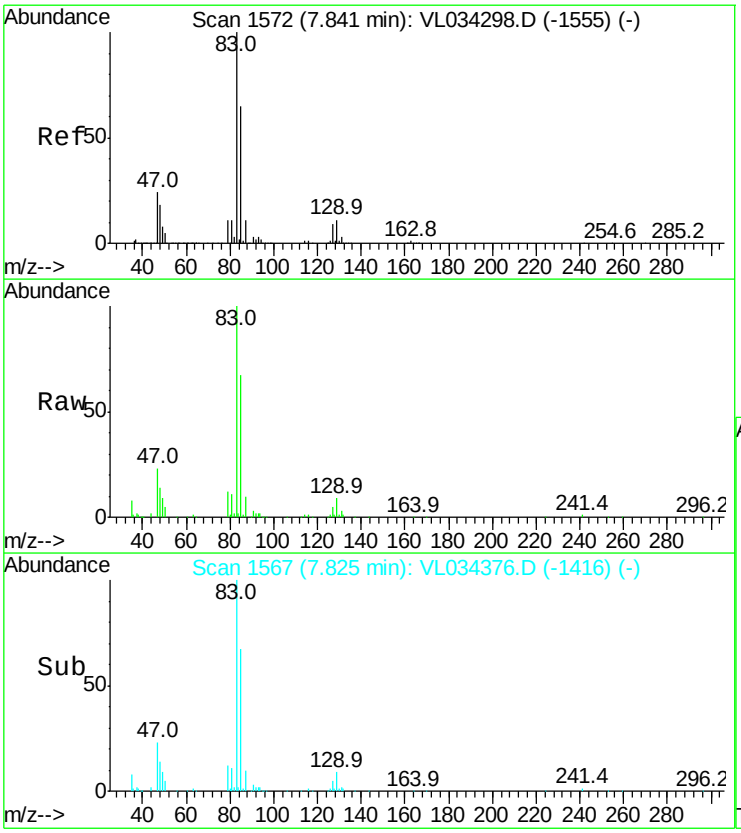

#41
Tetrahydrofuran
Concen: 1.019 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 42 Resp: 99271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.1 | 28.0 | 42.0 |
| 71 | 36.7 | 27.3 | 40.9 |

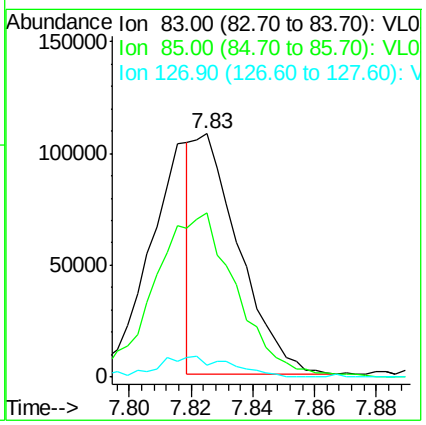


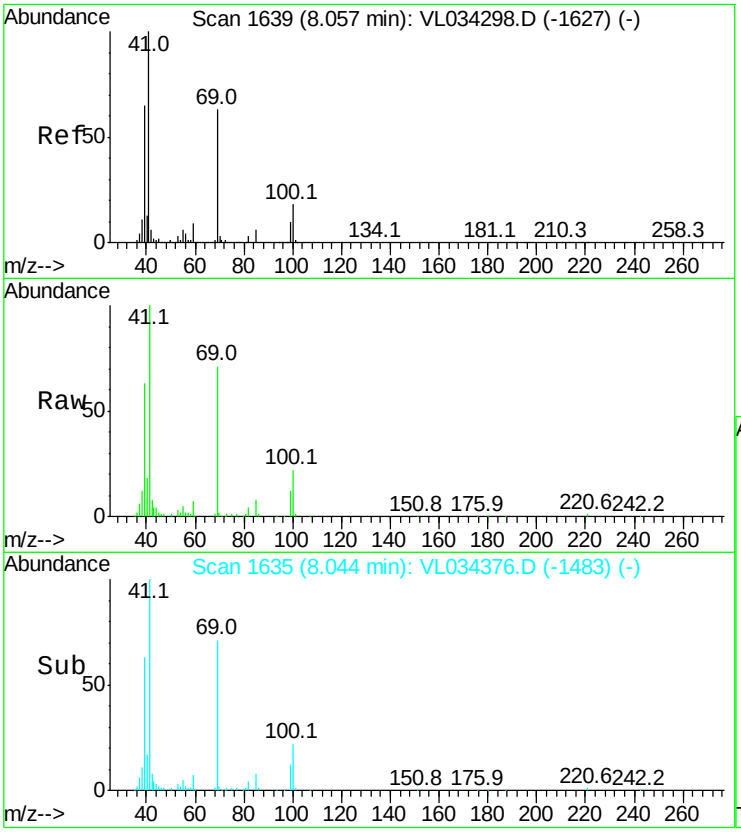




#42
Bromodichloromethane
Concen: 0.581 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 83 Resp: 109244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.4 | 51.8 | 77.6 |
| 127 | 4.2 | 7.0 | 10.6# |



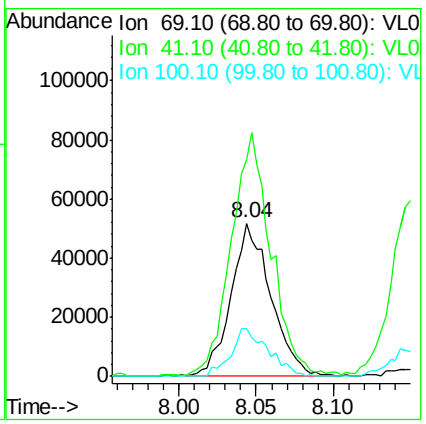


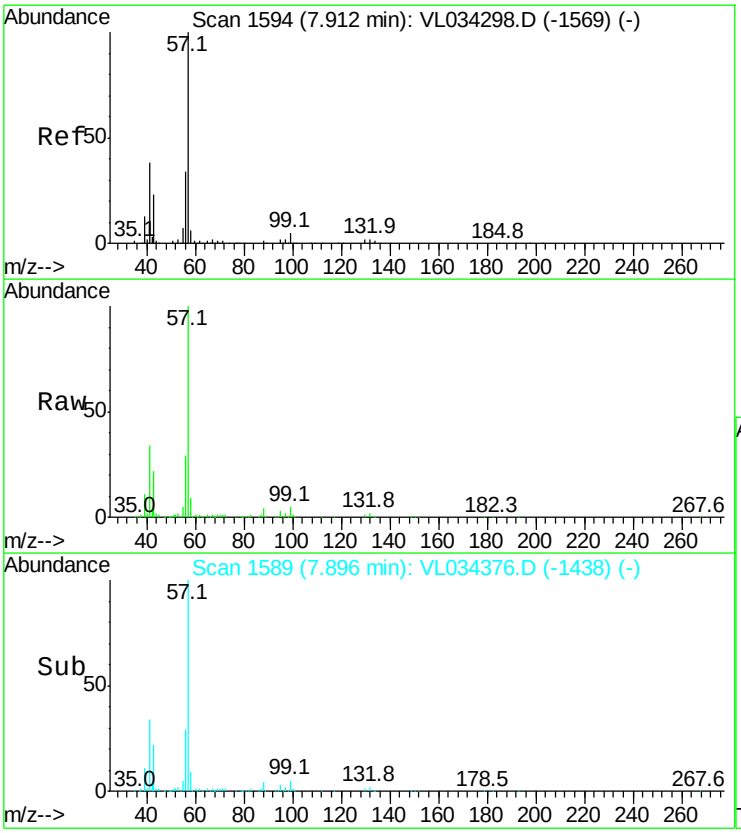

#43
Methyl Methacrylate
Concen: 1.087 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 69 Resp: 92658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 159.7 | 132.1 | 198.1 |
| 100 | 29.5 | 23.2 | 34.8 |

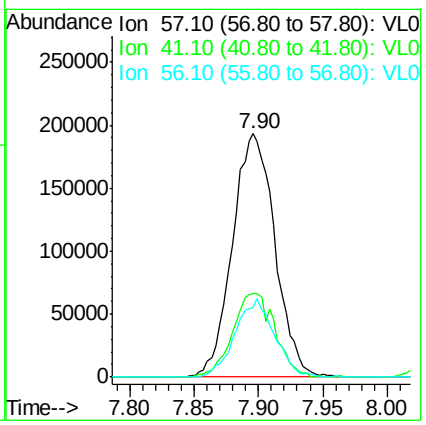


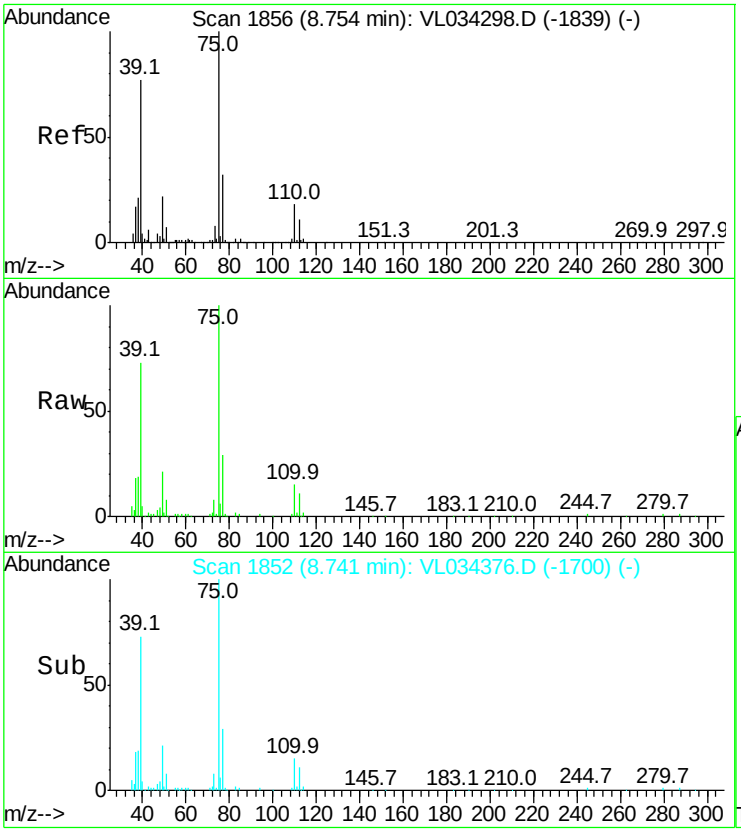




#44
2,2,4-Trimethylpentane
Concen: 1.163 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 57 Resp: 443320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 34.7 | 29.3 | 43.9 |
| 56 | 29.9 | 25.3 | 37.9 |



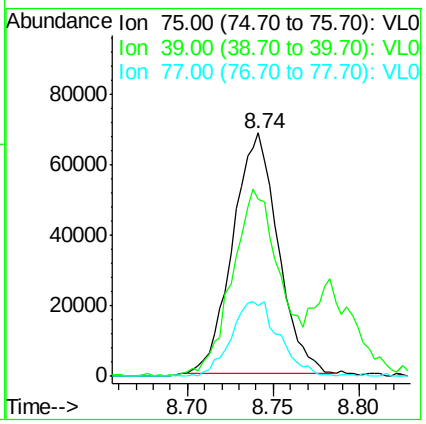


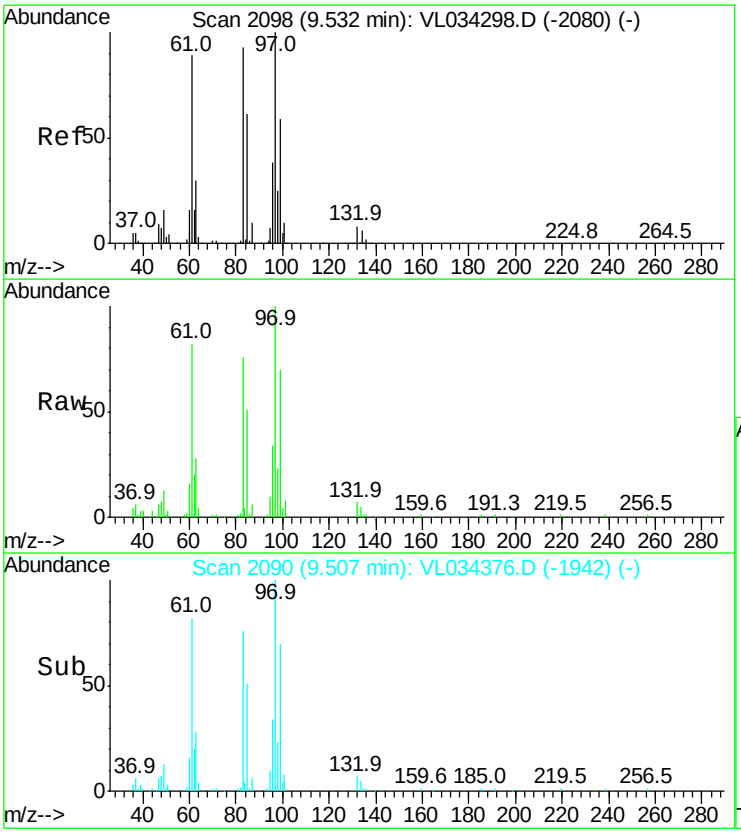

#46
cis-1,3-Dichloropropene
Concen: 1.054 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 125720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 71.8 | 61.2 | 91.8 |
| 77 | 29.2 | 25.9 | 38.9 |

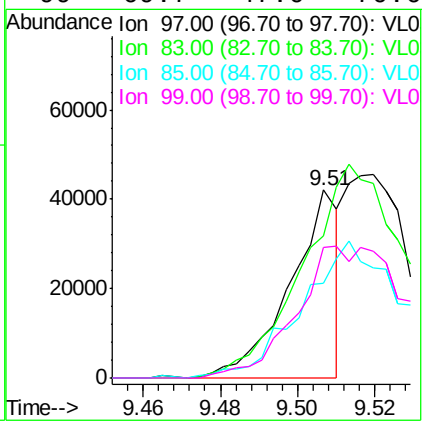


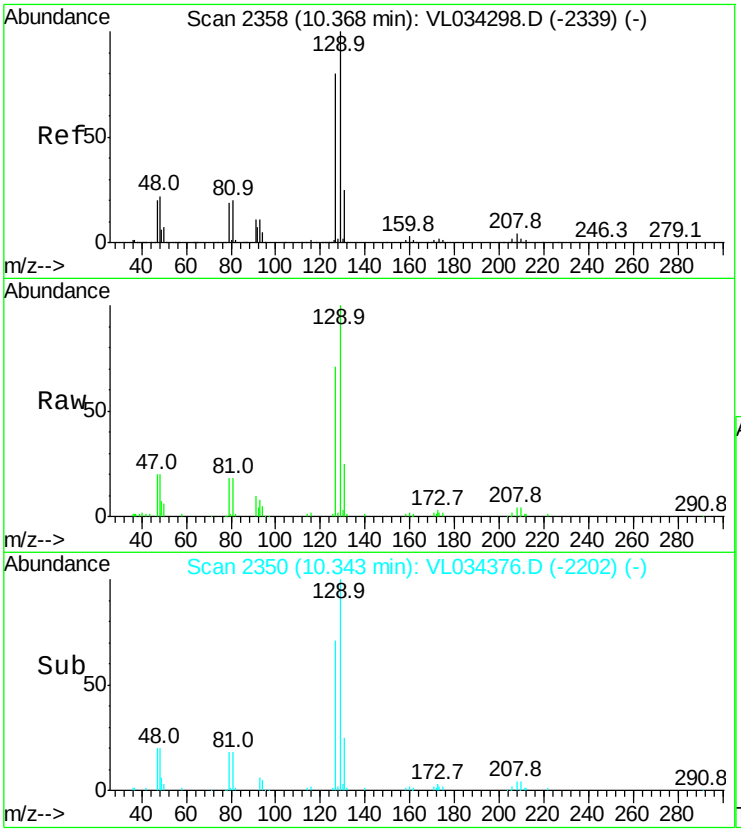




#47
1,1,2-Trichloroethane
Concen: 0.405 ppbv
RT: 9.51 min Scan# 2090
Delta R.T. -0.03 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 97 Resp: 36383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 75.9 | 74.2 | 111.2 |
| 85 | 50.7 | 48.6 | 73.0 |
| 99 | 69.7 | 47.0 | 70.6 |



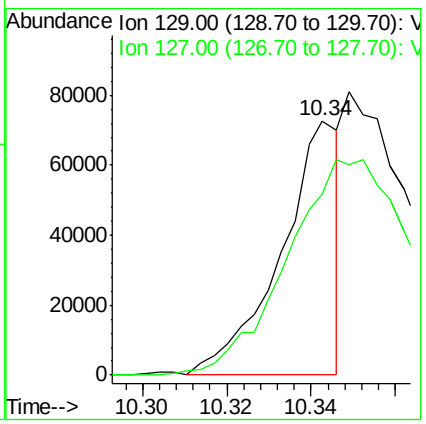


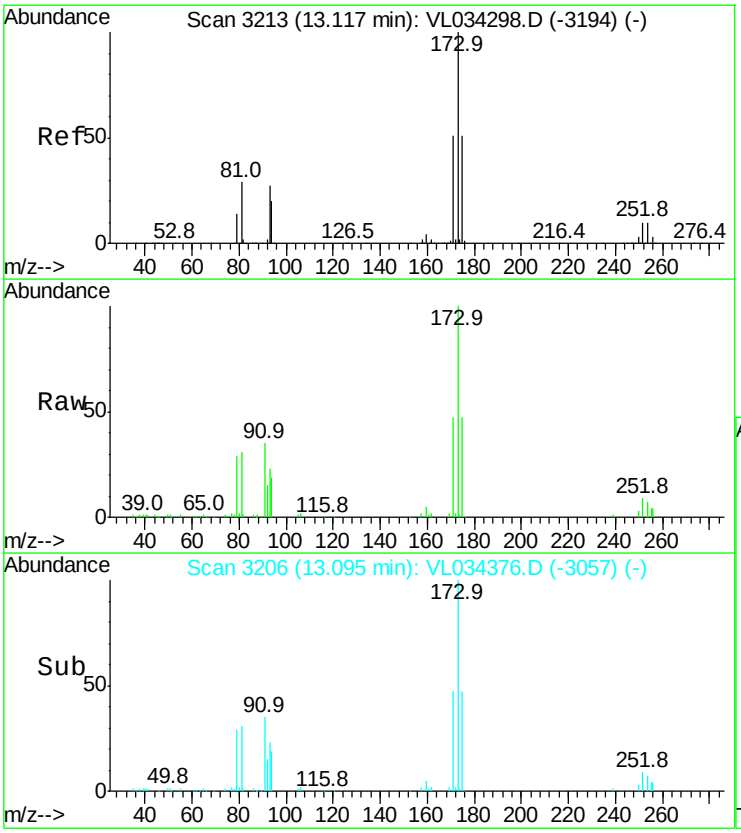

#48
Dibromochloromethane
Concen: 0.473 ppbv
RT: 10.34 min Scan# 2350
Delta R.T. -0.03 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:129 Resp: 69707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 39.7 | 119.1# |

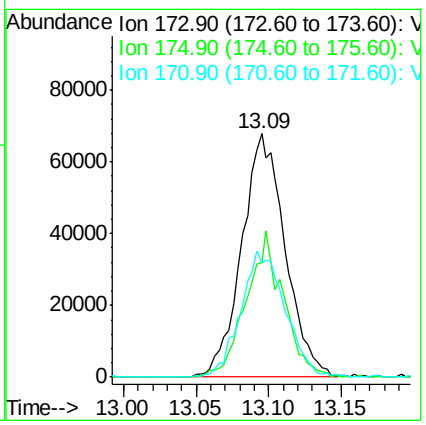


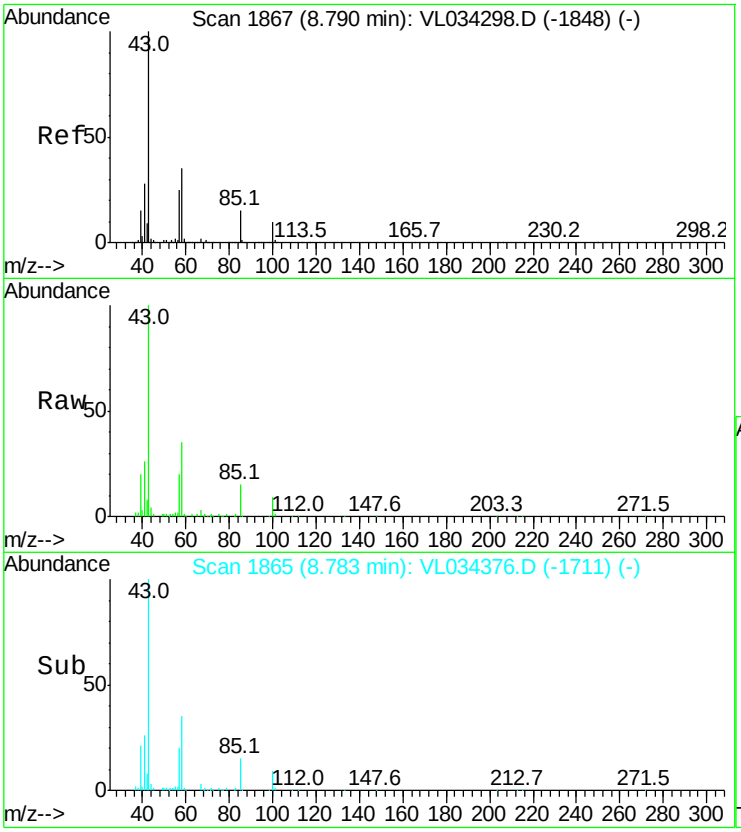




#49
Bromoform
Concen: 1.081 ppbv
RT: 13.09 min Scan# 3206
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:173 Resp: 141220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.2 | 39.8 | 59.6 |
| 171 | 52.8 | 41.8 | 62.6 |



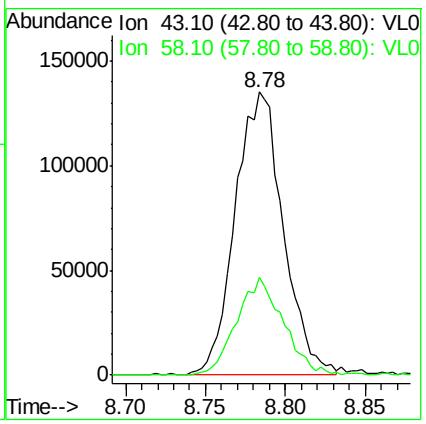


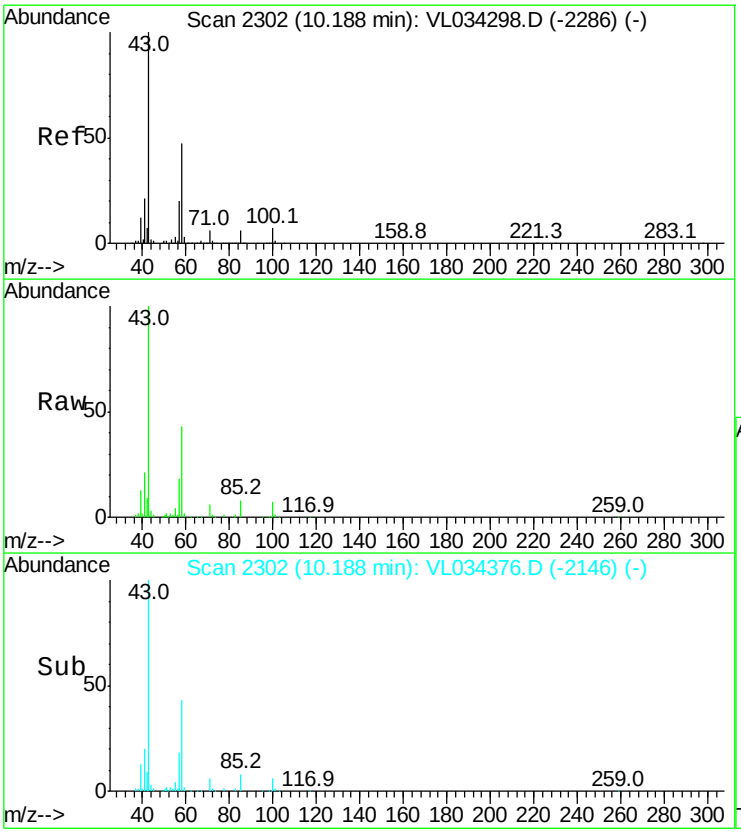

#50
4-Methyl-2-Pentanone
Concen: 1.105 ppbv
RT: 8.78 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 277607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.1 | 27.6 | 41.4 |

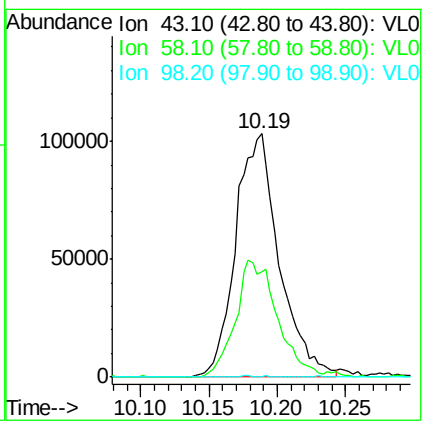


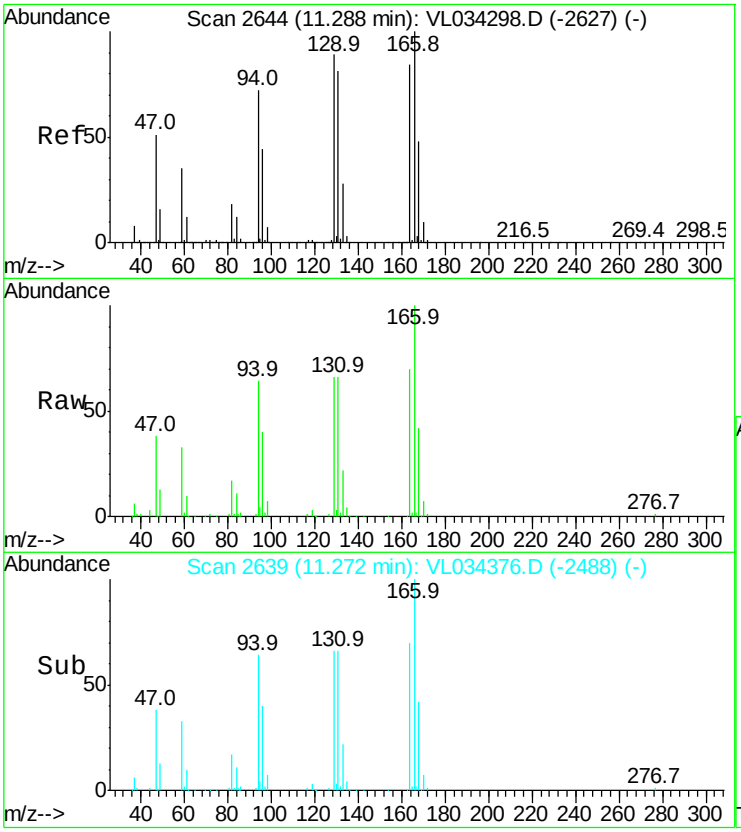




#51
2-Hexanone
Concen: 1.113 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 43 Resp: 229332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 46.6 | 37.0 | 55.6 |
| 98 | 0.4 | 0.2 | 0.2# |



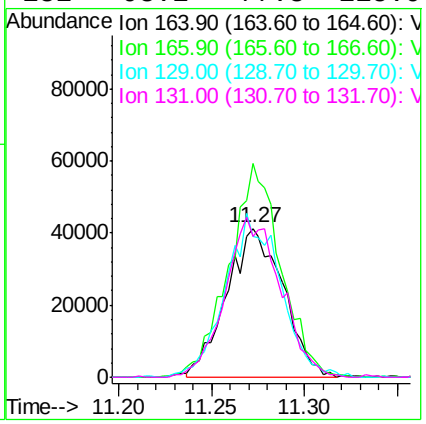


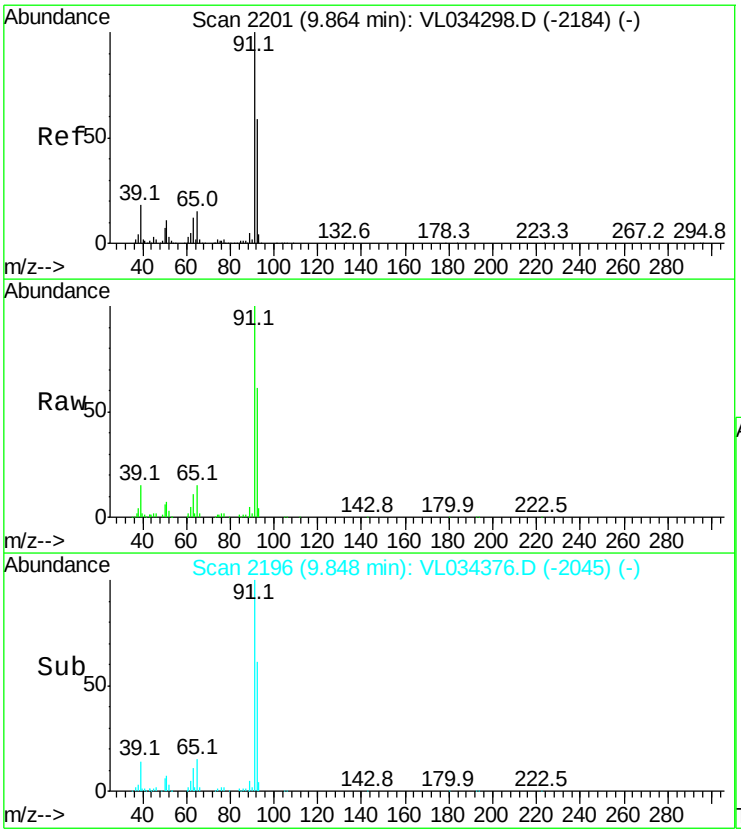

#52
Tetrachloroethene
Concen: 1.089 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion:164 Resp: 87903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 142.2 | 95.3 | 142.9 |
| 129 | 91.0 | 84.5 | 126.7 |
| 131 | 93.1 | 77.3 | 115.9 |

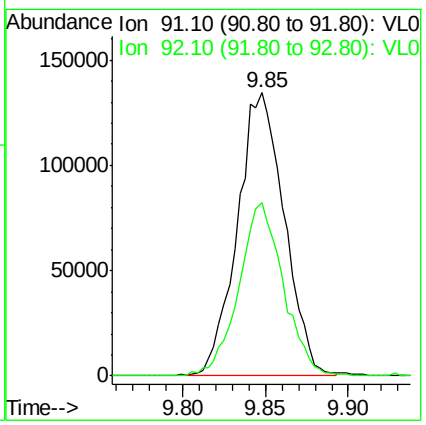


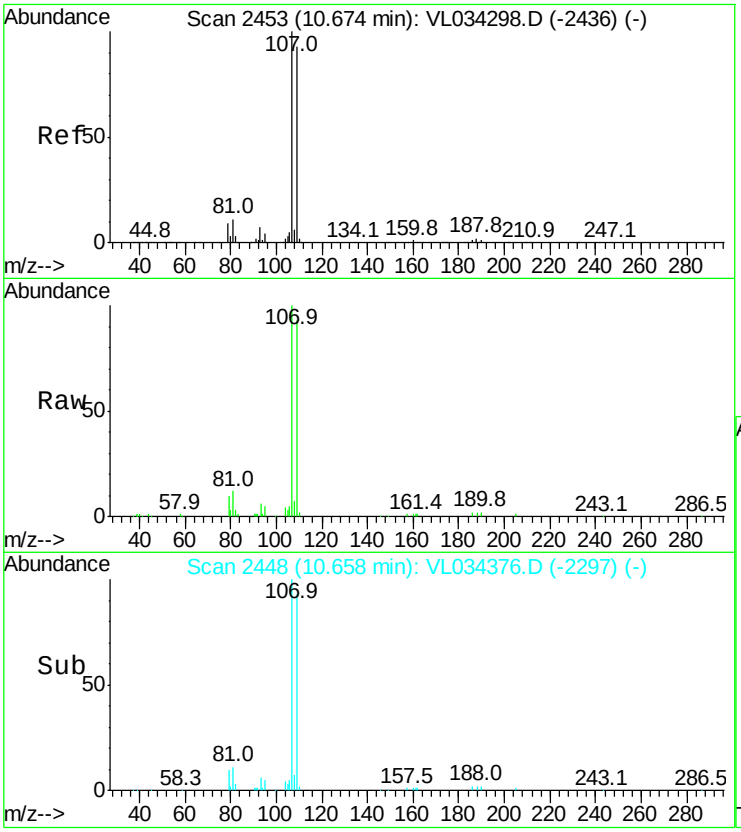




#53
Toluene
Concen: 1.156 ppbv
RT: 9.85 min Scan# 2196
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 91 Resp: 262887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.5 | 48.4 | 72.6 |



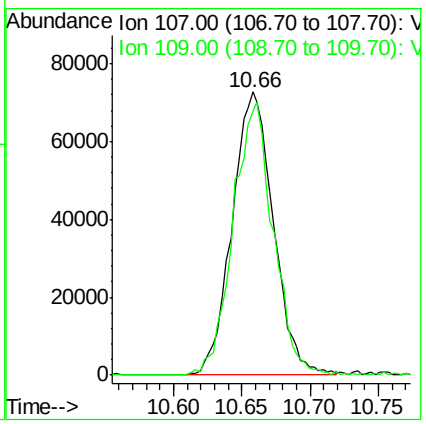


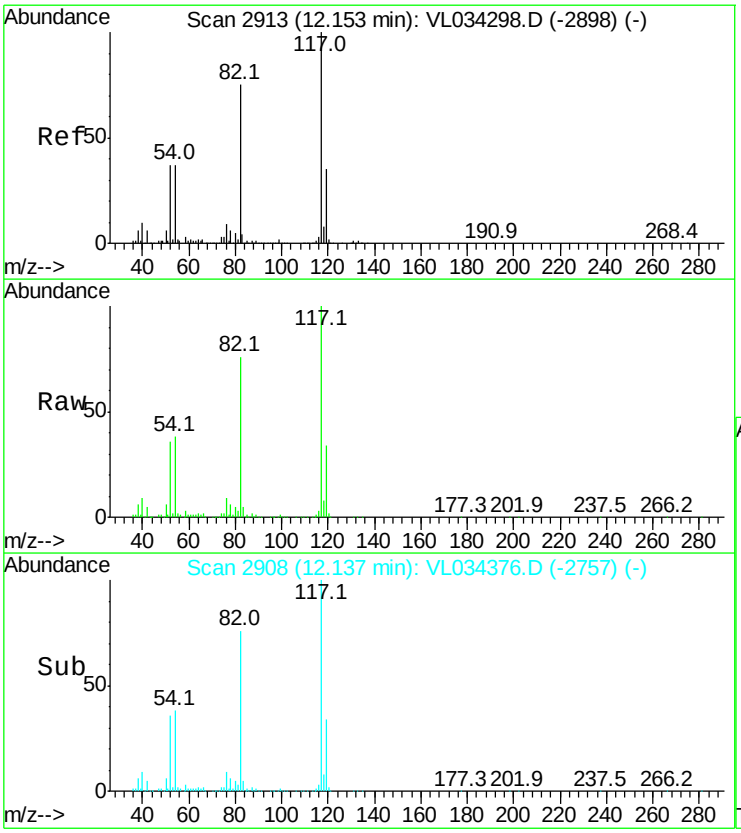

#54
1,2-Dibromoethane
Concen: 1.148 ppbv
RT: 10.66 min Scan# 2448
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:107 Resp: 152832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.1 | 74.6 | 112.0 |

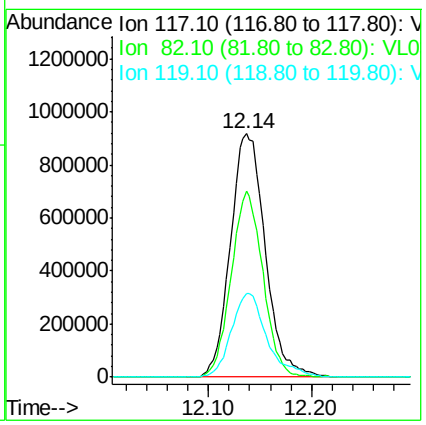


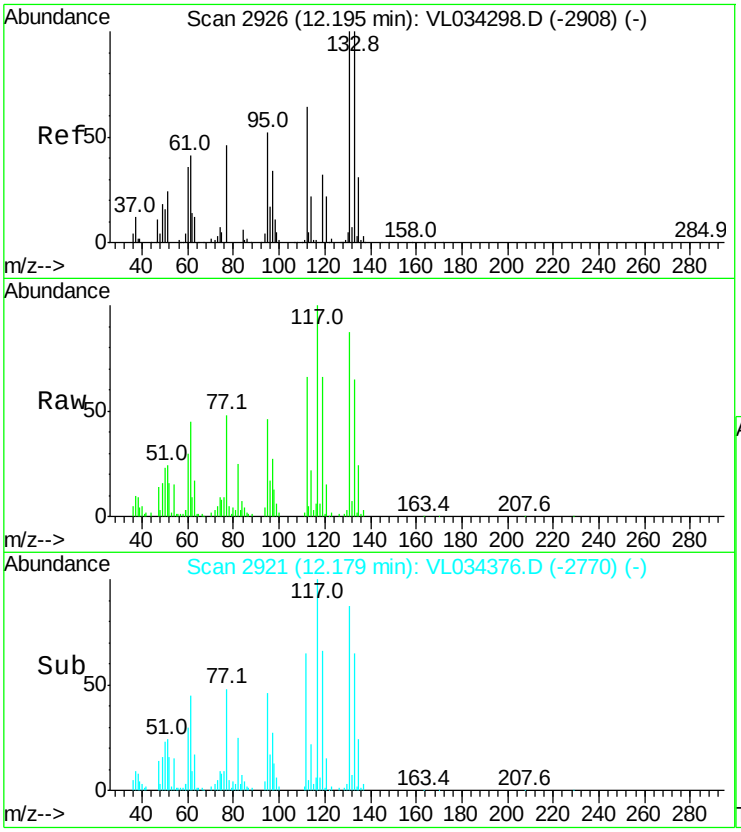




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:117 Resp: 2157762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 69.8 | 55.5 | 83.3 |
| 119 | 35.3 | 26.5 | 39.7 |



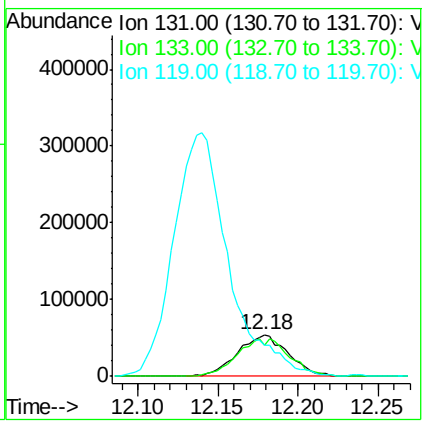


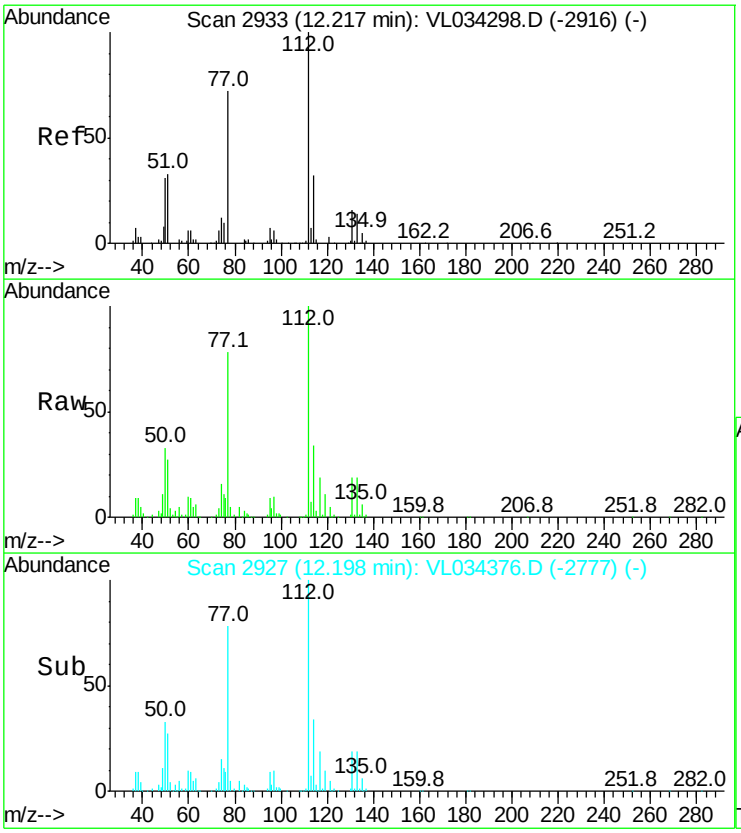

#56
1,1,1,2-Tetrachloroethane
Concen: 1.155 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:131 Resp: 114810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 77.1 | 115.7 |
| 119 | 663.3 | 49.0 | 73.4# |

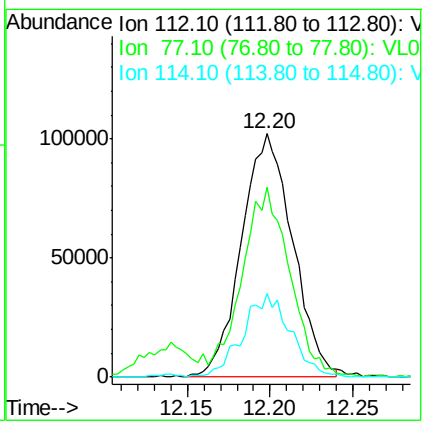


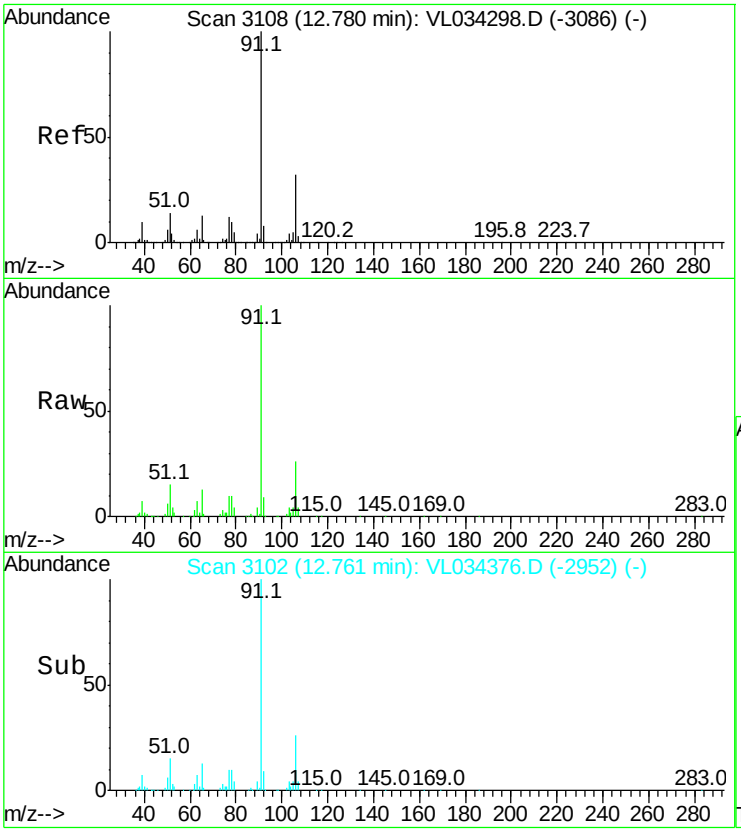




#57
Chlorobenzene
Concen: 1.209 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:112 Resp: 217616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 75.9 | 58.6 | 88.0 |
| 114 | 34.3 | 28.6 | 35.0 |



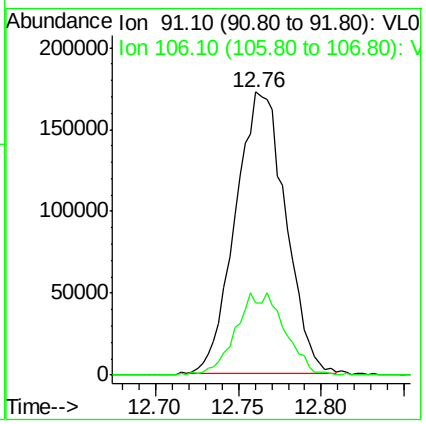


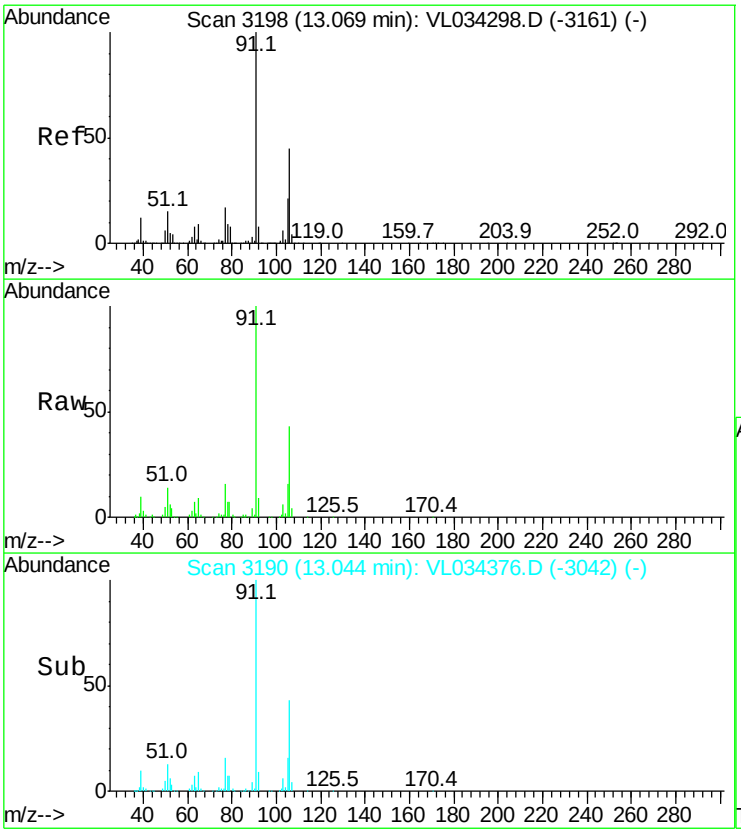

#58
Ethyl Benzene
Concen: 1.195 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 360470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.6 | 25.3 | 37.9 |

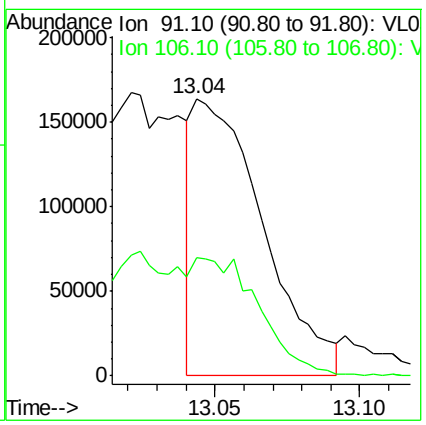


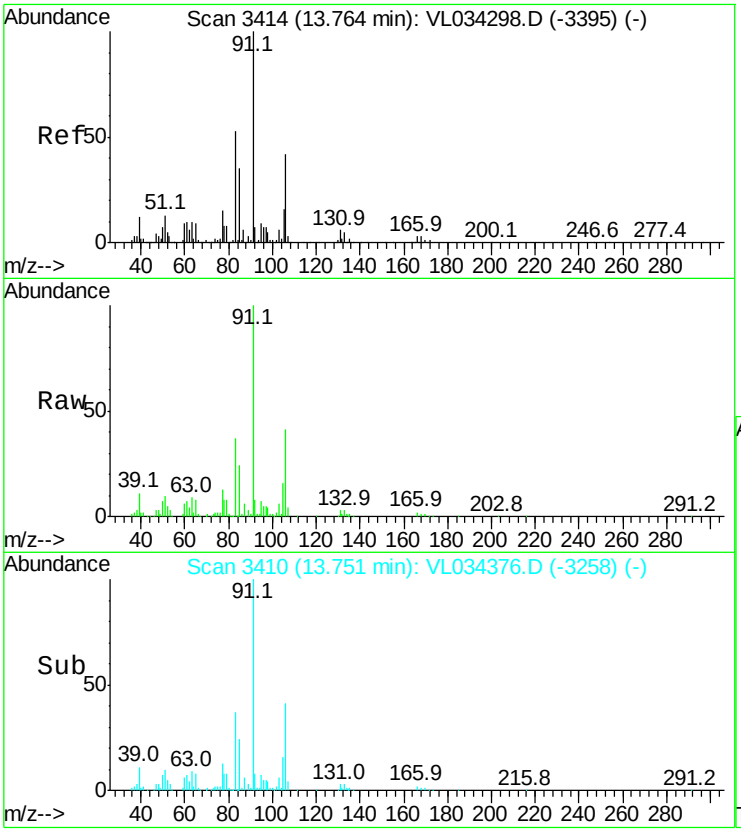




#59
m/p-Xylene
Concen: 1.040 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 91 Resp: 271691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 35.4 | 53.2# |



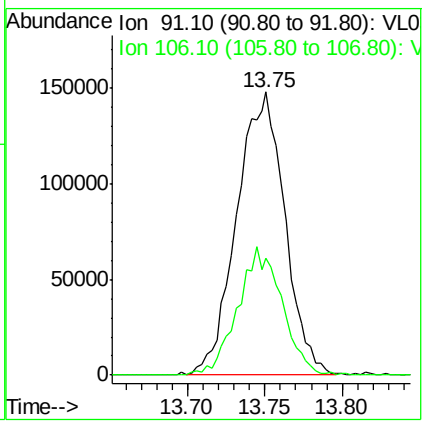


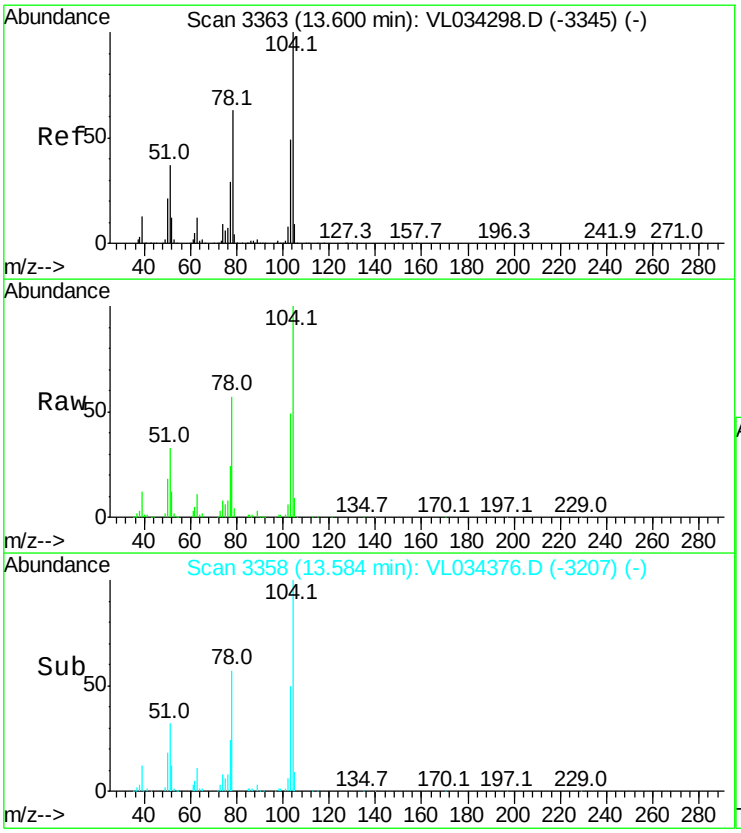

#60
o-Xylene
Concen: 1.216 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 91 Resp: 316379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 42.1 | 21.6 | 64.6 |

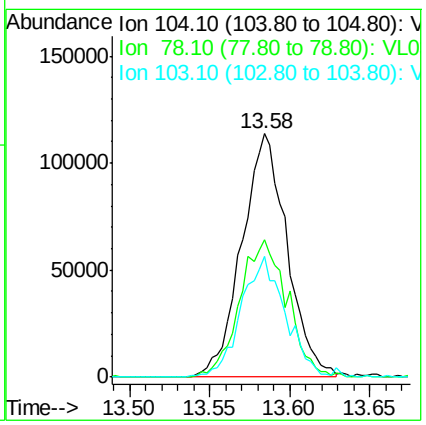


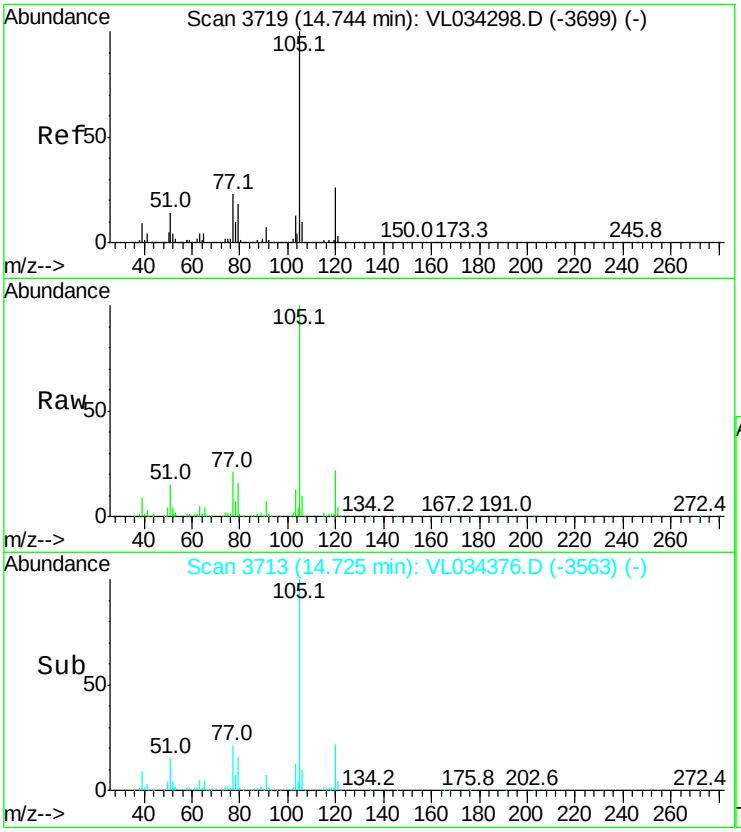




#61
Styrene
Concen: 1.205 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:104 Resp: 220752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 59.3 | 47.8 | 71.8 |
| 103 | 48.7 | 39.0 | 58.6 |



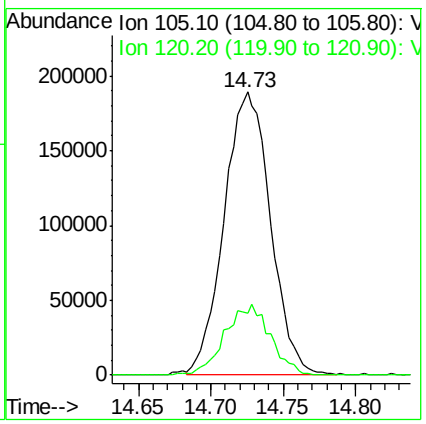


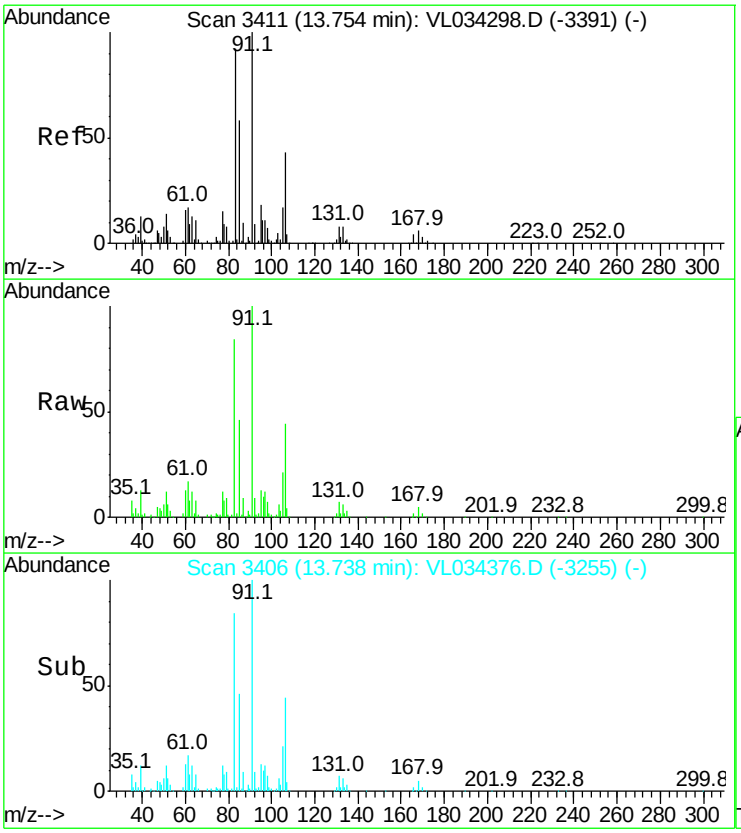

#62
Isopropylbenzene
Concen: 1.218 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 418538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.6 | 20.8 | 31.2 |

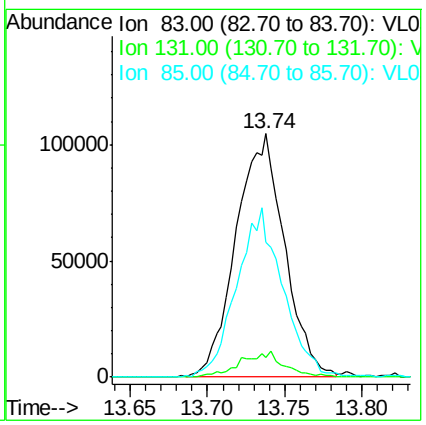


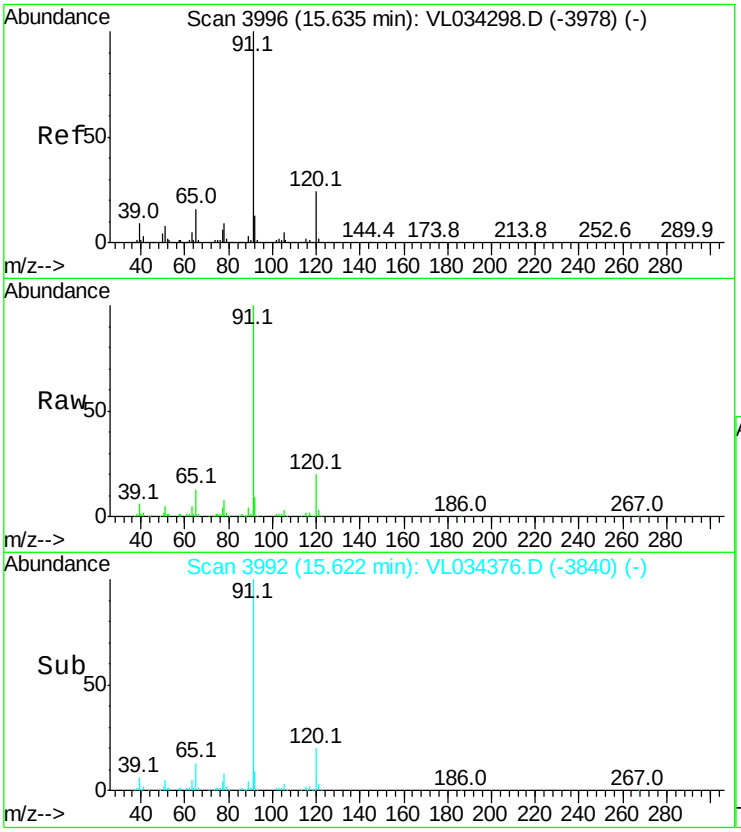




#63
1,1,2,2-Tetrachloroethane
Concen: 1.083 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 83 Resp: 226496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.5 | 4.8 | 14.4 |
| 85 | 66.8 | 32.5 | 97.4 |



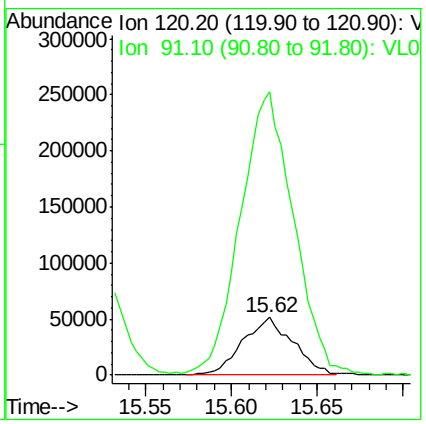


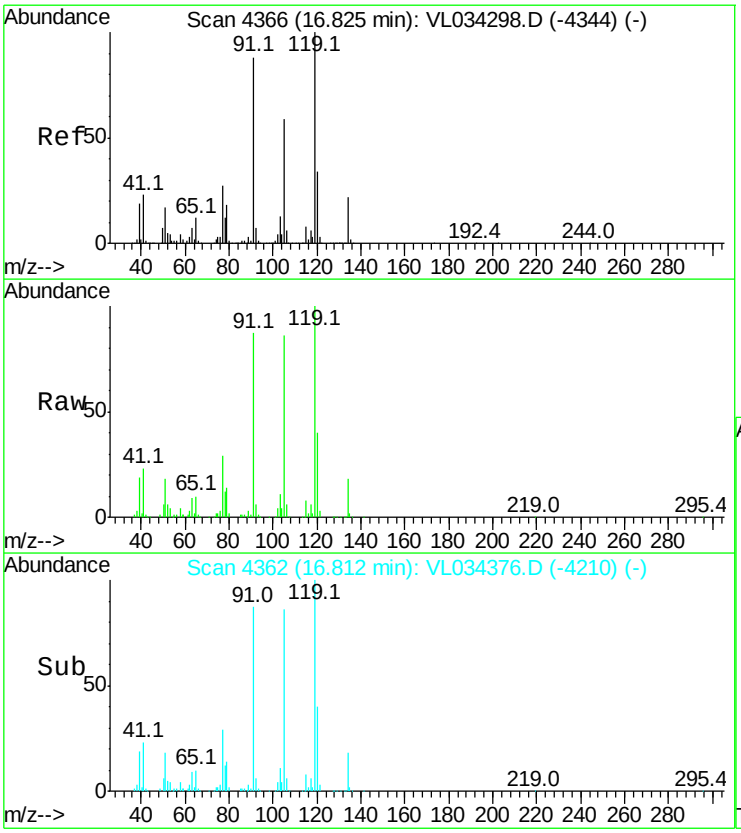

#64
n-propylbenzene
Concen: 1.190 ppbv
RT: 15.62 min Scan# 3992
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion:120 Resp: 104879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 522.6 | 374.9 | 562.3 |

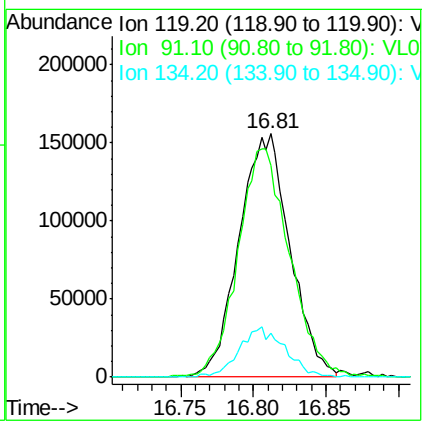


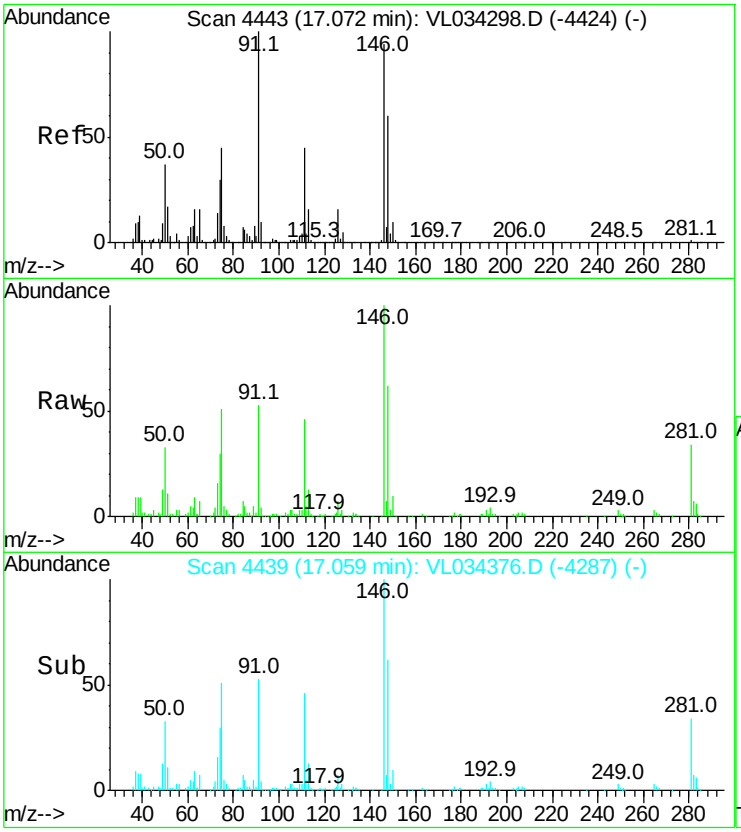




#65
tert-Butylbenzene
Concen: 1.248 ppbv
RT: 16.81 min Scan# 4362
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:119 Resp: 380034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 95.9 | 71.4 | 107.0 |
| 134 | 18.6 | 15.9 | 23.9 |



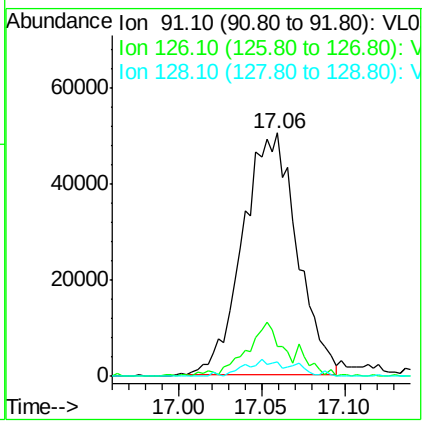


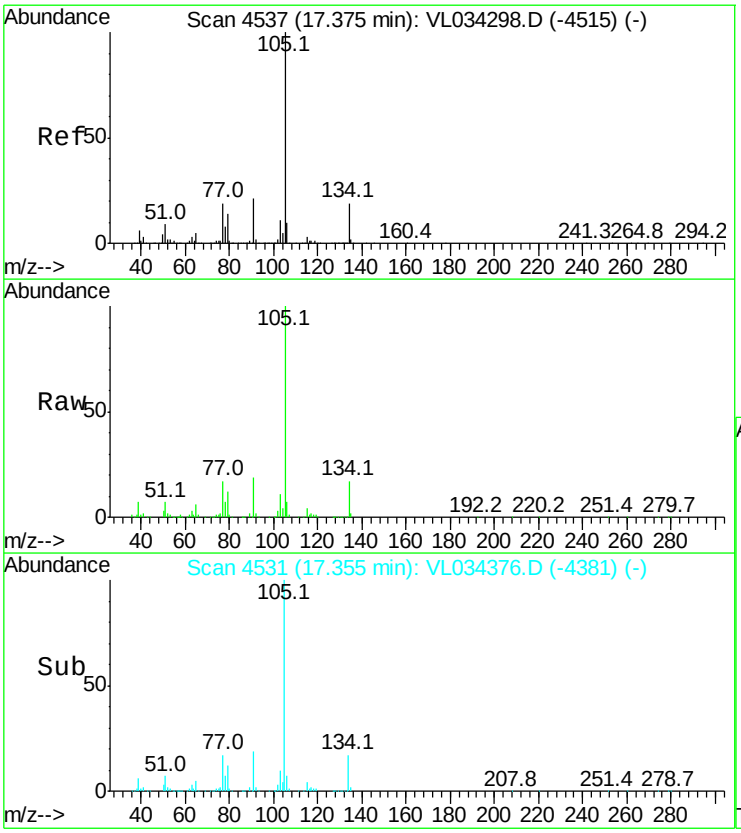

#66
Benzyl Chloride
Concen: 0.949 ppbv
RT: 17.06 min Scan# 4439
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 91 Resp: 114064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 18.2 | 12.9 | 19.3 |
| 128 | 6.3 | 4.3 | 6.5 |

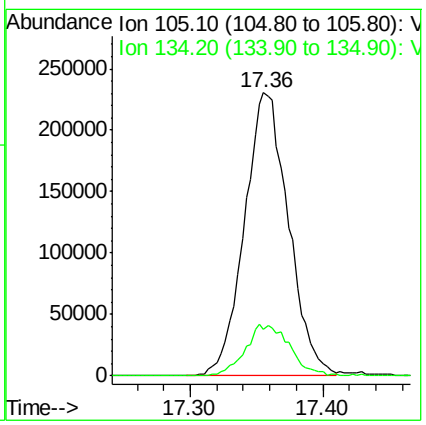


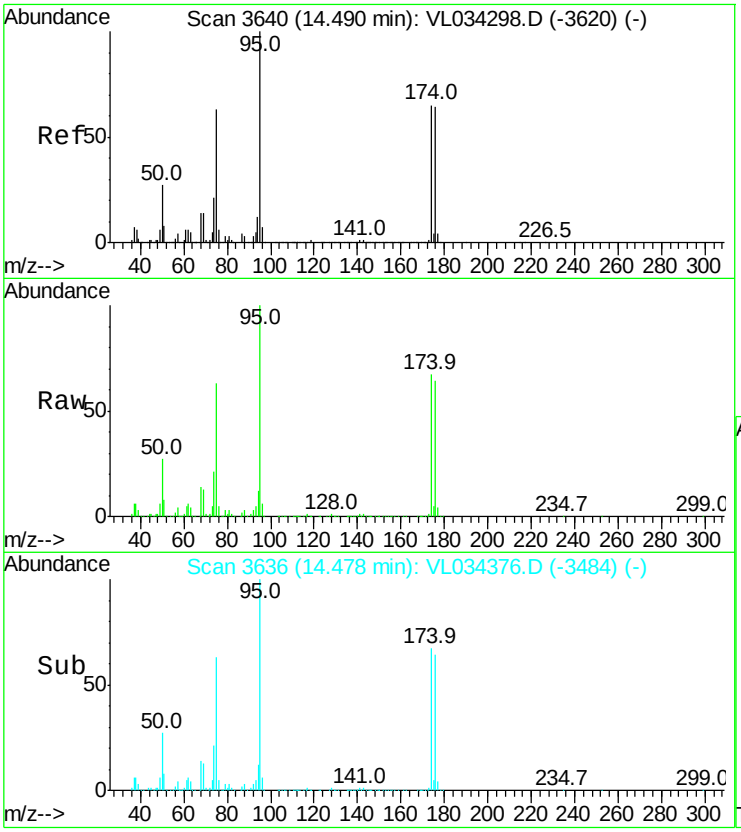




#67
sec-Butylbenzene
Concen: 1.239 ppbv
RT: 17.36 min Scan# 4531
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:105 Resp: 530797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.7 | 15.4 | 23.0 |



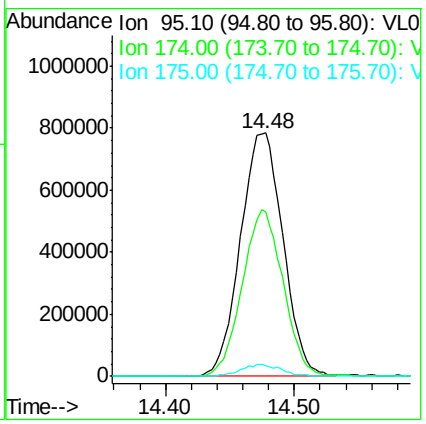


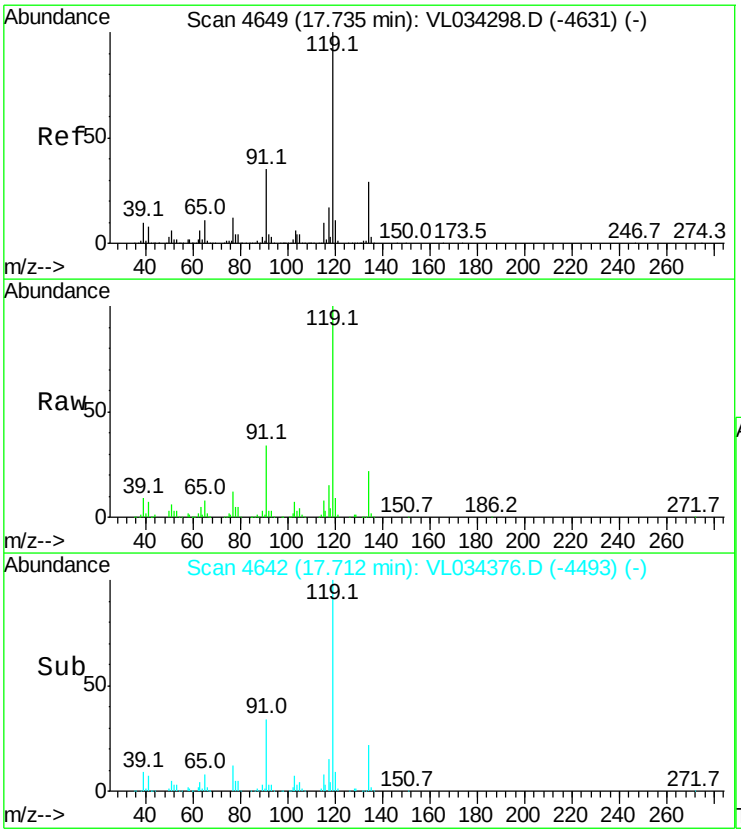

#68
1-Bromo-4-Fluorobenzene
Concen: 9.875 ppbv
RT: 14.48 min Scan# 3636
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion: 95 Resp: 1804606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 65.9 | 52.6 | 78.8 |
| 175 | 4.6 | 3.8 | 5.6 |

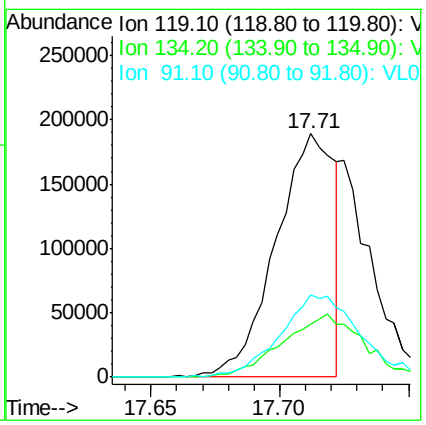


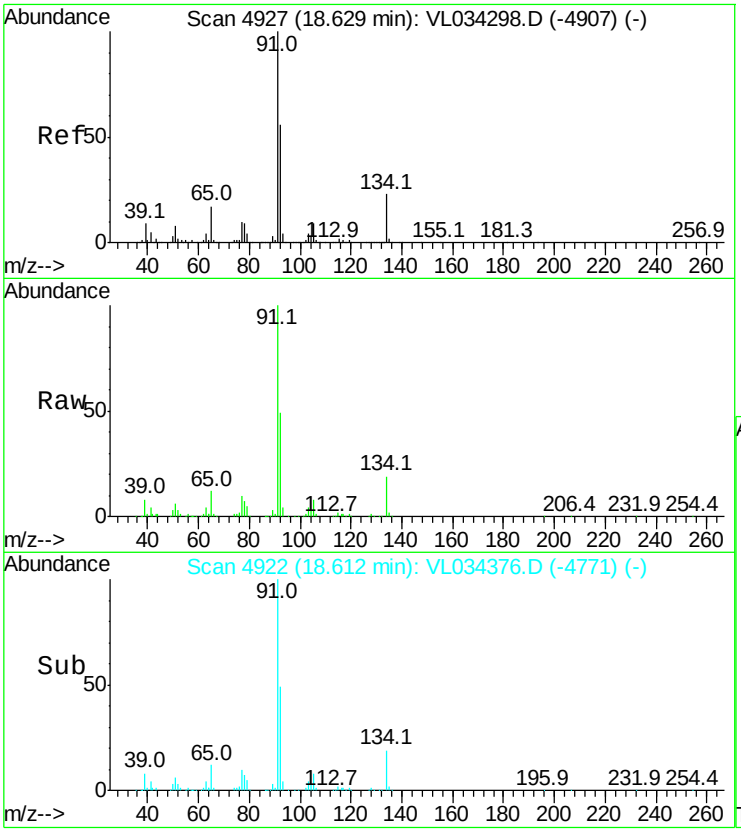




#69
p-Isopropyltoluene
Concen: 0.848 ppbv
RT: 17.71 min Scan# 4642
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:119 Resp: 296267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 0.0 | 21.3 | 31.9# |
| 91 | 46.8 | 26.6 | 39.8# |



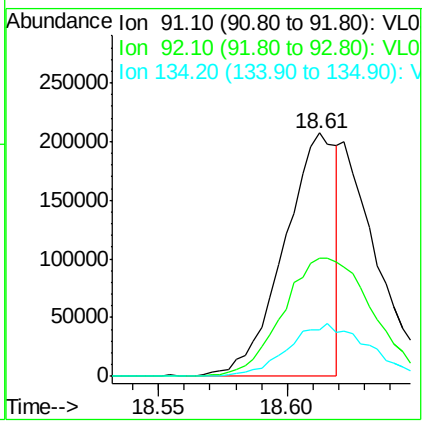


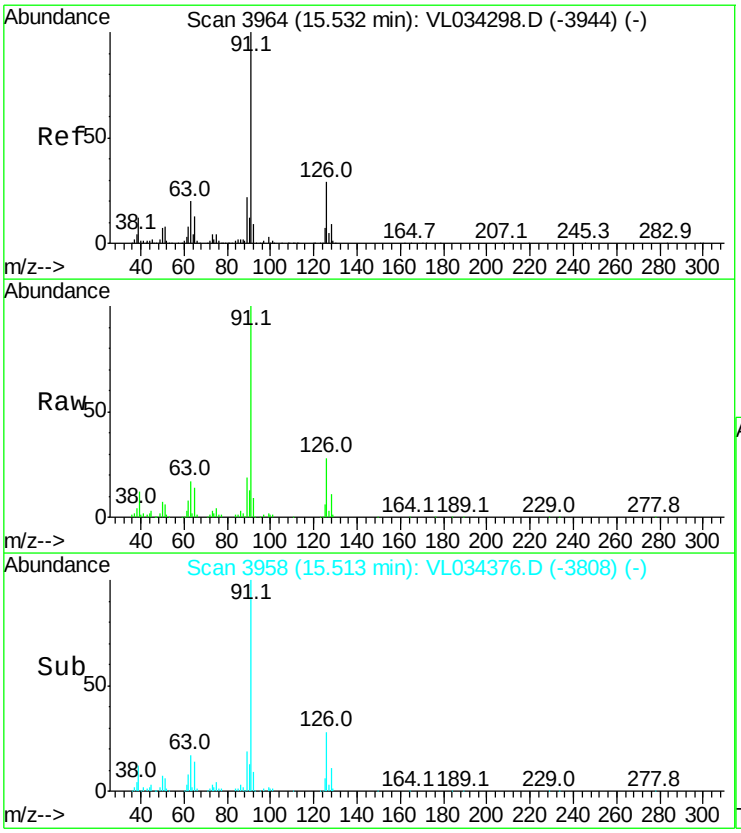

#70
n-Butylbenzene
Concen: 0.765 ppbv
RT: 18.61 min Scan# 4922
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion: 91 Resp: 290639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 84.4 | 44.5 | 66.7# |
| 134 | 33.6 | 18.2 | 27.2# |

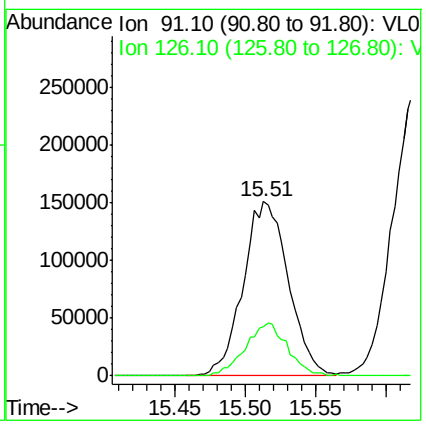


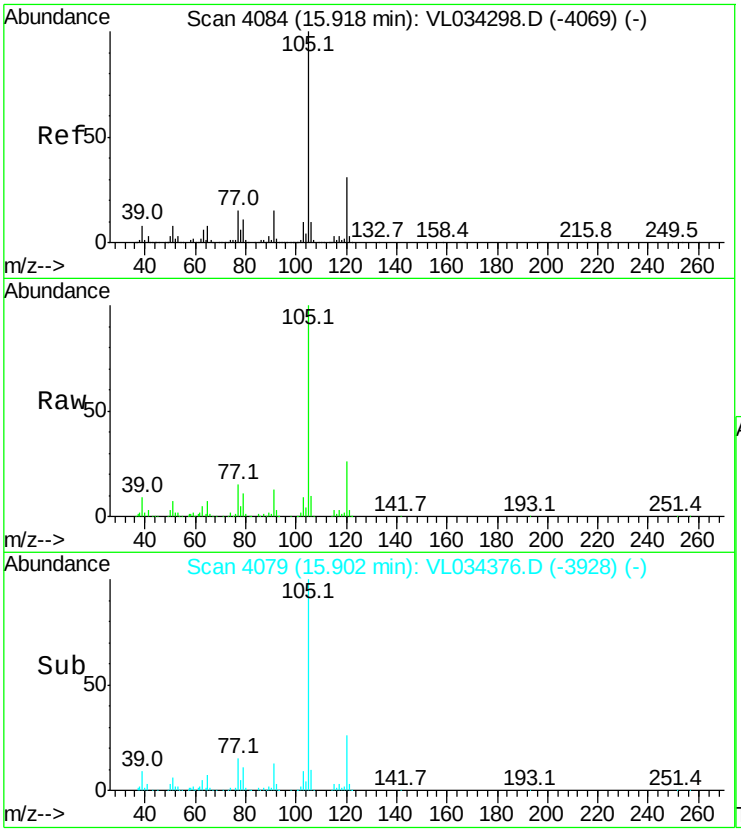




#71
2-Chlorotoluene
Concen: 1.277 ppbv
RT: 15.51 min Scan# 3958
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion: 91 Resp: 340058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.3 | 11.9 | 47.5 |



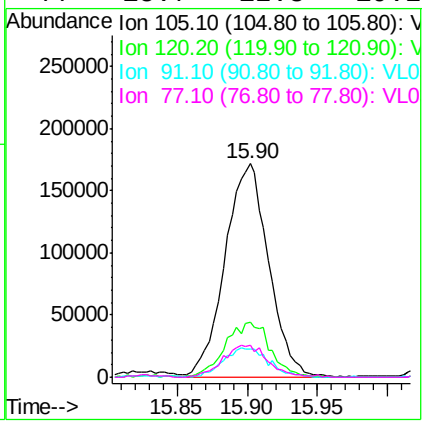


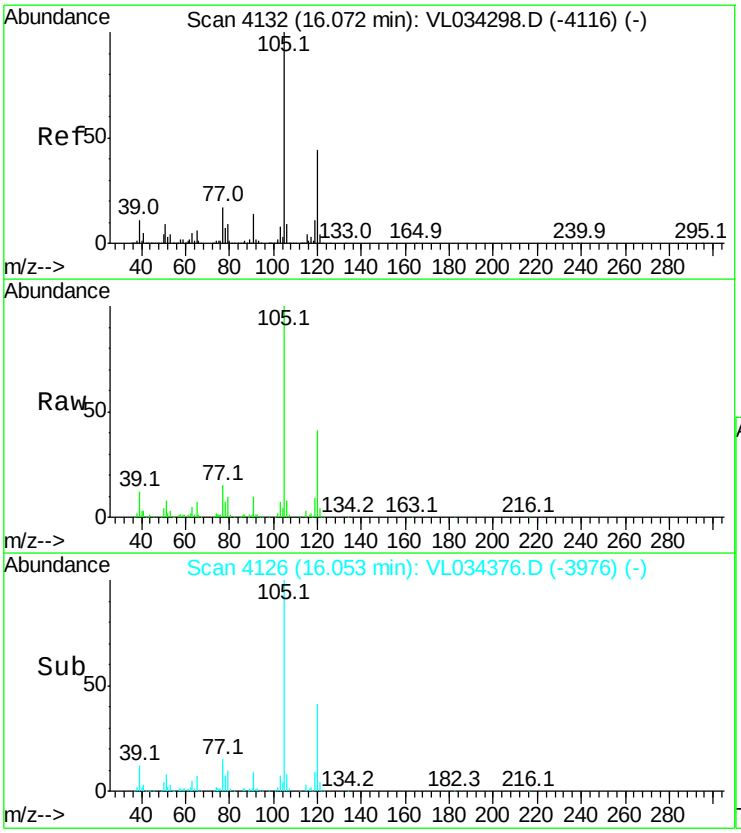

#72
4-Ethyltoluene
Concen: 1.261 ppbv
RT: 15.90 min Scan# 4079
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC001

Tgt Ion:105 Resp: 368959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.9 | 23.8 | 35.8 |
| 91 | 14.6 | 11.2 | 16.8 |
| 77 | 15.7 | 12.8 | 19.2 |

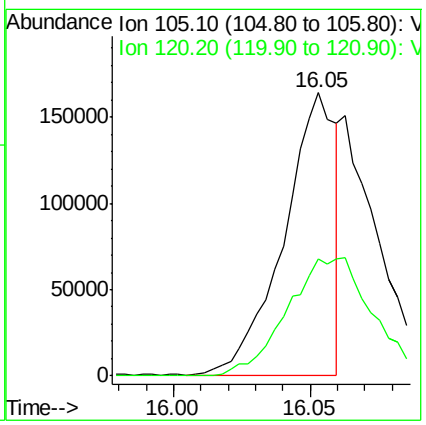


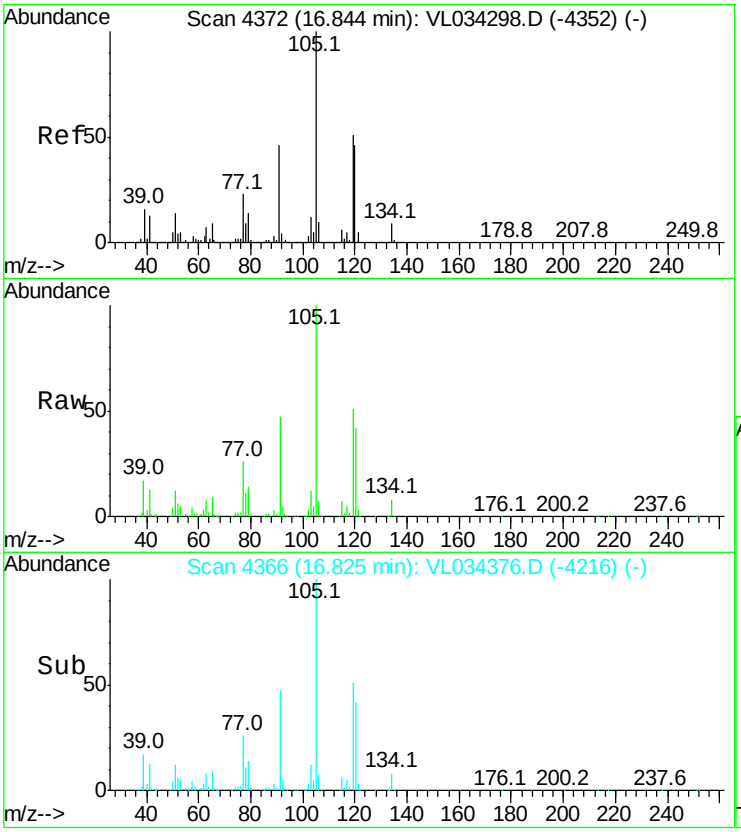




#73
1,3,5-Trimethylbenzene
Concen: 0.743 ppbv
RT: 16.05 min Scan# 4126
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:105 Resp: 215350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.5 | 35.2 | 52.8 |



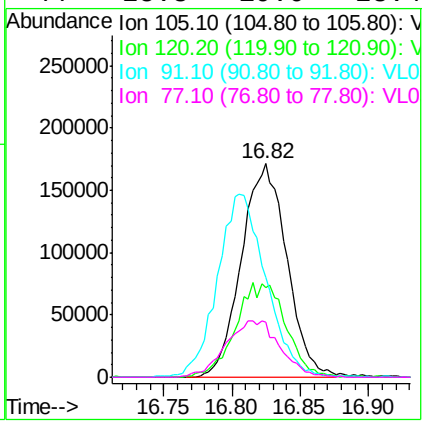


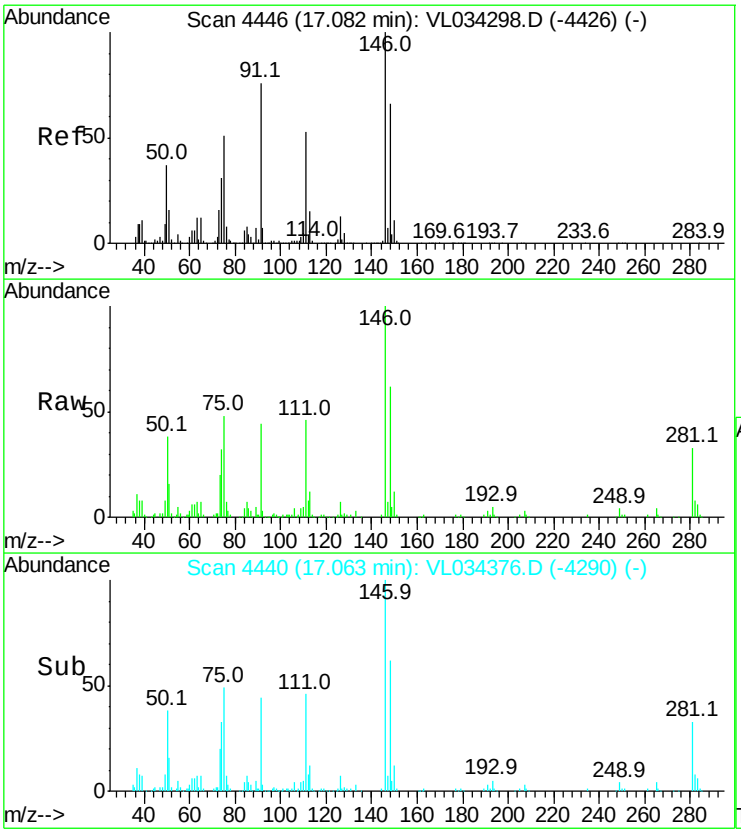

#74
1,2,4-Trimethylbenzene
Concen: 1.308 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 395303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.3 | 37.0 | 55.6 |
| 91 | 45.7 | 38.2 | 57.2 |
| 77 | 25.8 | 19.0 | 28.4 |

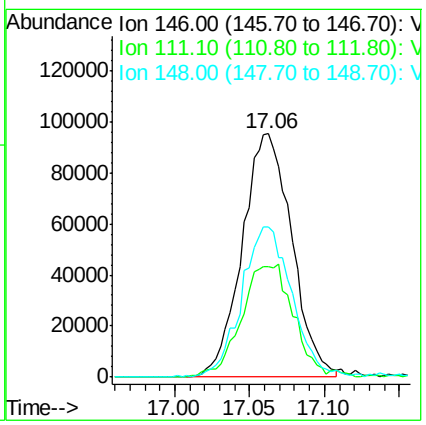


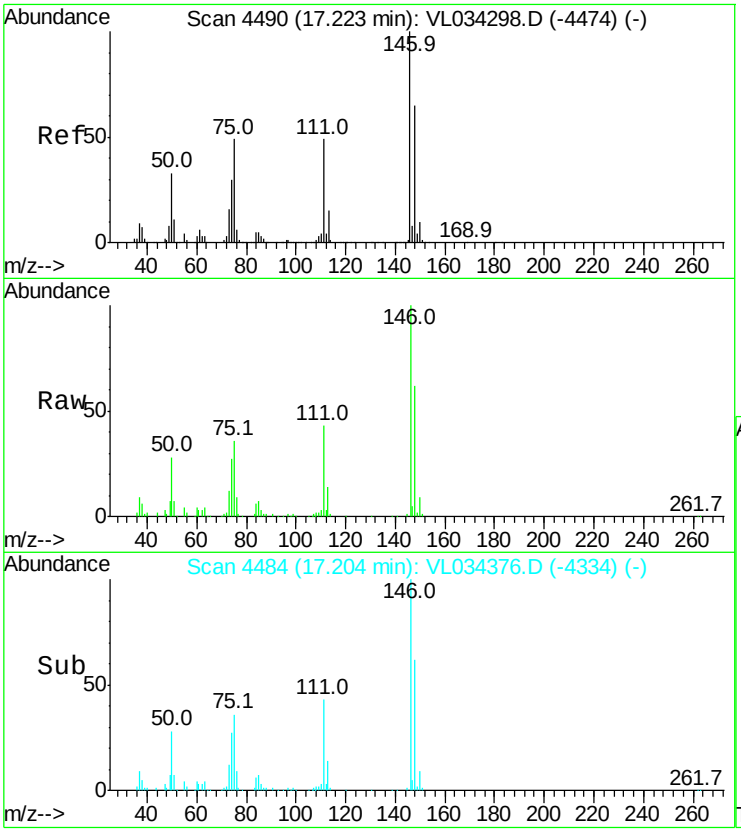




#75
1,3-Dichlorobenzene
Concen: 1.212 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:146 Resp: 219954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.0 | 24.5 | 73.5 |
| 148 | 63.3 | 32.3 | 96.8 |



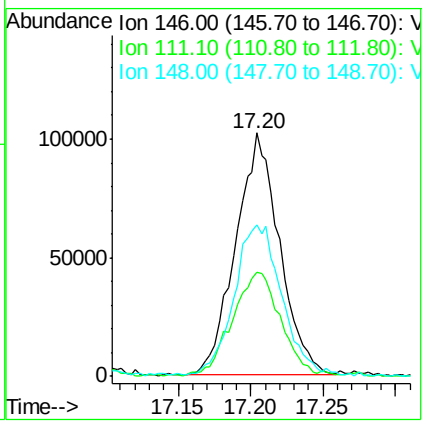


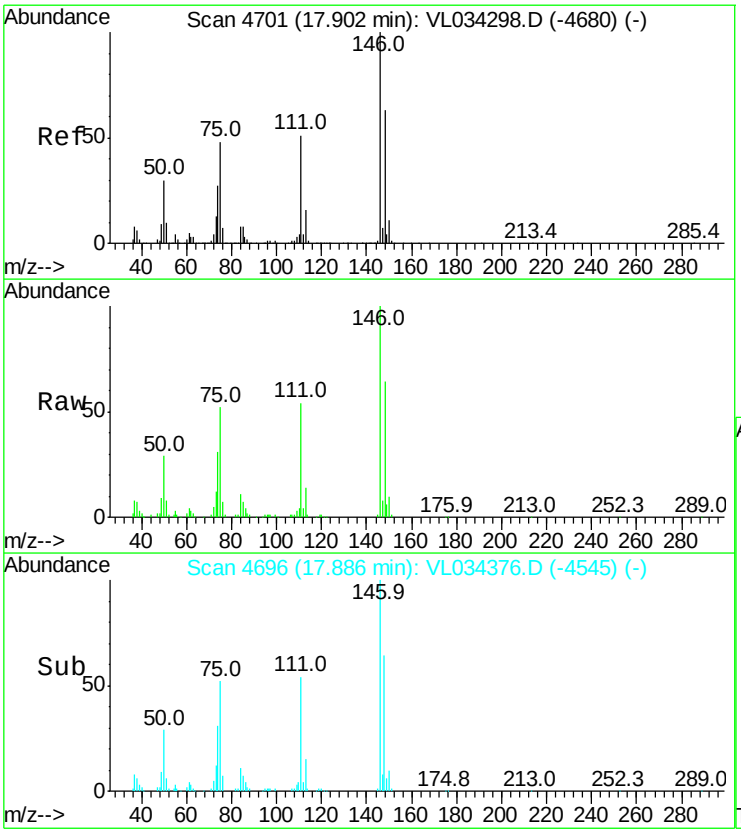

#76
1,4-Dichlorobenzene
Concen: 1.203 ppbv
RT: 17.20 min Scan# 4484
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 213229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 49.0 | 23.9 | 71.7 |
| 148 | 68.6 | 33.1 | 99.2 |

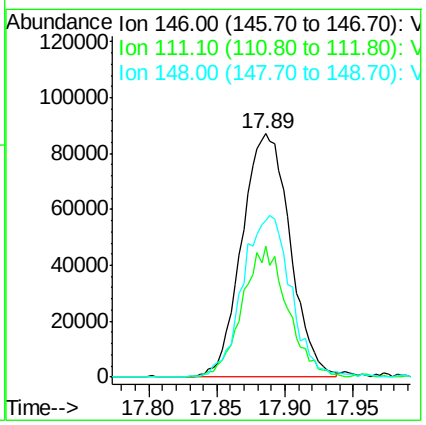


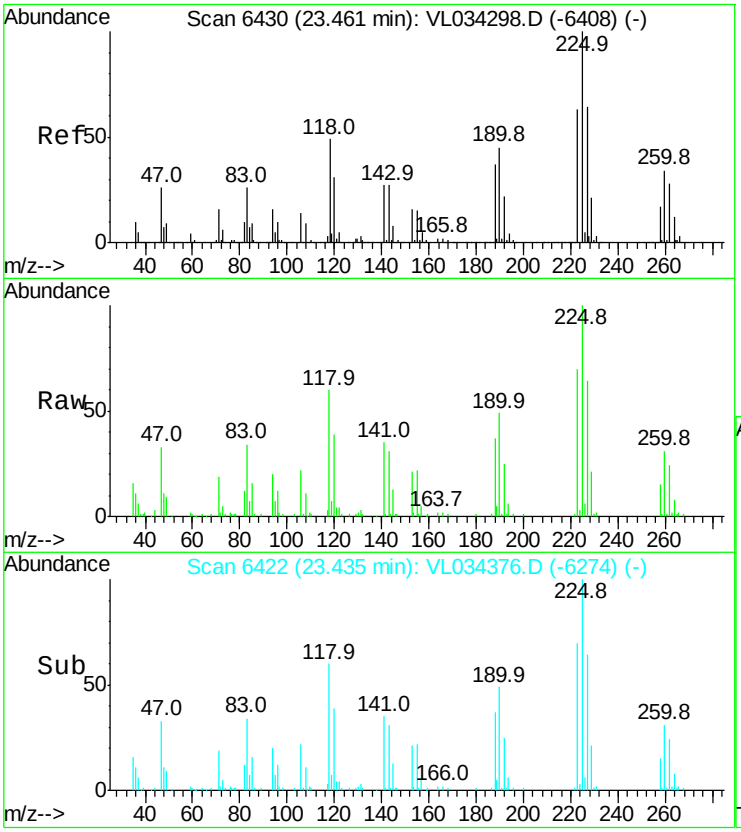




#77
1,2-Dichlorobenzene
Concen: 1.201 ppbv
RT: 17.89 min Scan# 4696
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:146 Resp: 213637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 50.2 | 25.1 | 75.3 |
| 148 | 66.9 | 32.3 | 96.8 |



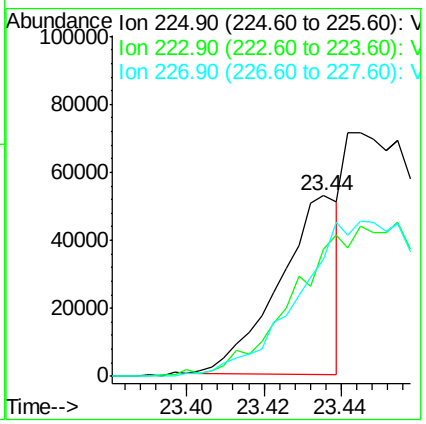


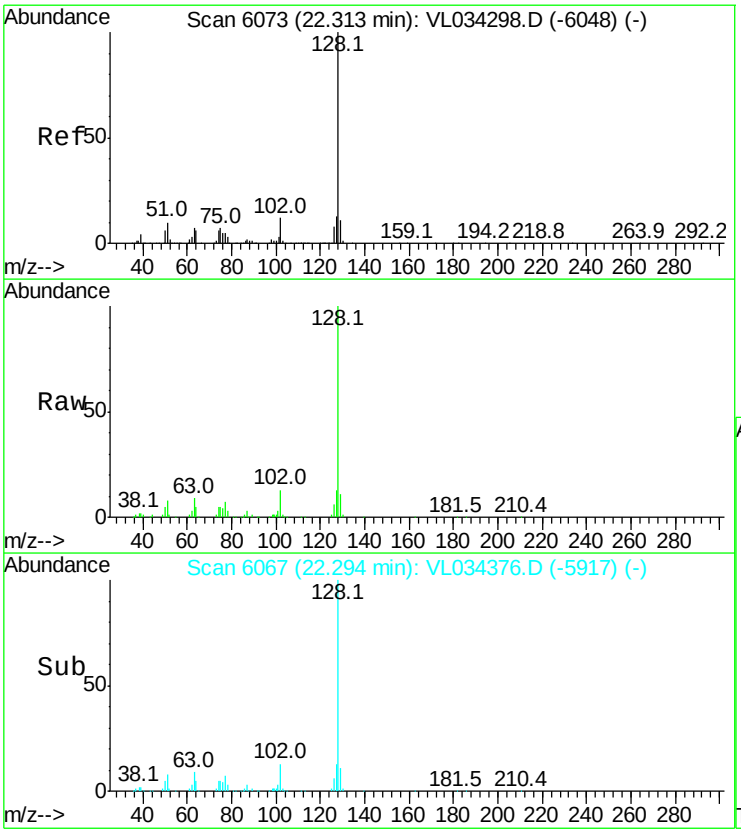

#78
Hexachloro-1,3-Butadiene
Concen: 0.383 ppbv
RT: 23.44 min Scan# 6422
Delta R.T. -0.03 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:225 Resp: 56320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 50.8 | 76.2# |
| 227 | 0.0 | 51.5 | 77.3# |

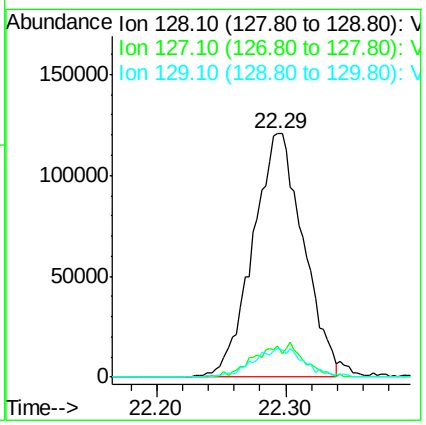


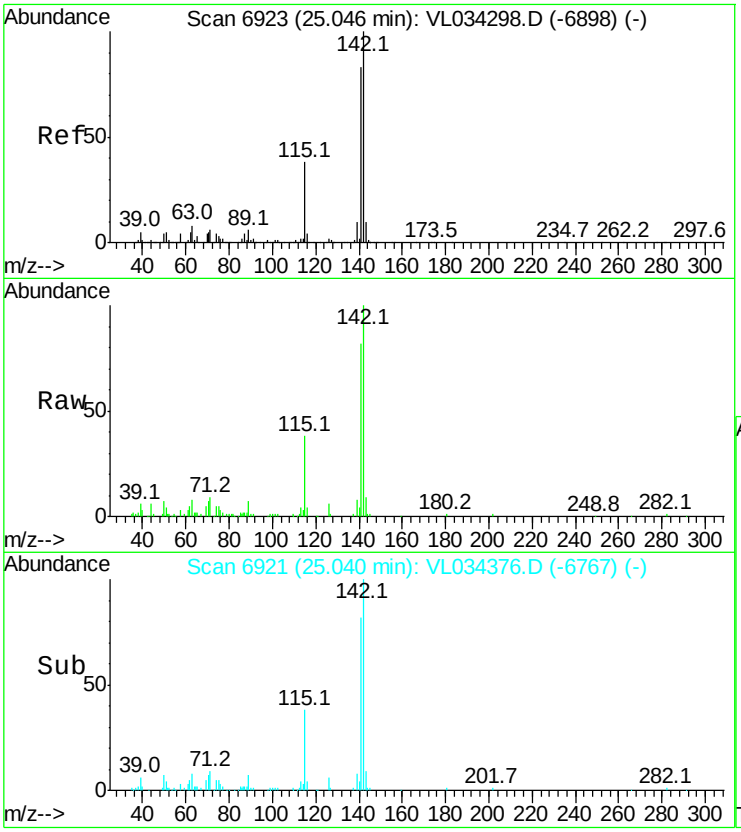




#79
Naphthalene
Concen: 1.486 ppbv
RT: 22.29 min Scan# 6067
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:128 Resp: 328185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.4 |
| 129 | 11.5 | 8.9 | 13.3 |



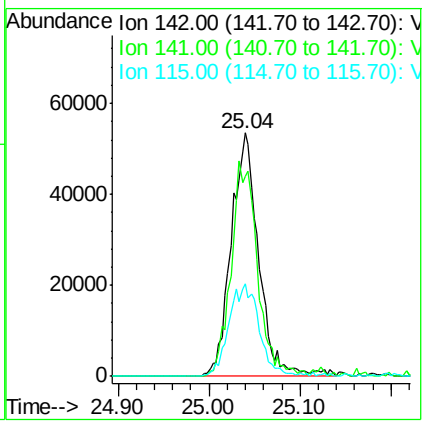


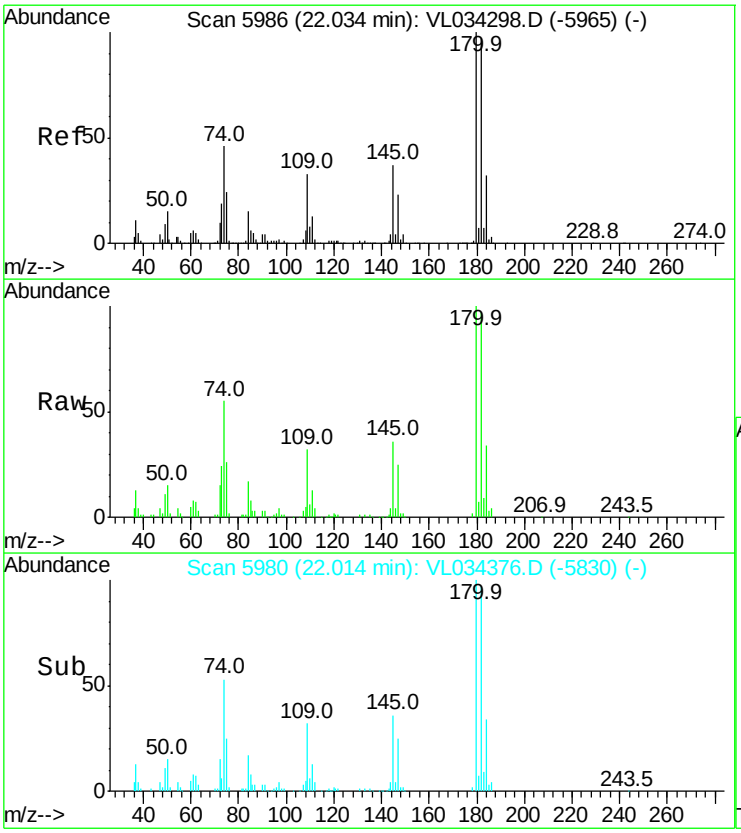

#80
Naphthalene,2-methyl-
Concen: 1.764 ppbv
RT: 25.04 min Scan# 6921
Delta R.T. -0.01 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC001

Tgt Ion:142 Resp: 112593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.9 | 65.7 | 98.5 |
| 115 | 42.3 | 30.9 | 46.3 |




#81
1,2,4-Trichlorobenzene
Concen: 0.673 ppbv
RT: 22.01 min Scan# 5980
Delta R.T. -0.02 min
Lab File: VL034376.D
Acq: 19 Nov 2019 11:08

Tgt Ion:180 Resp: 97038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 199.7 | 77.8 | 116.8# |
| 184 | 0.0 | 25.4 | 38.2# |