Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

Quantitation Report (Not Reviewed)

Data File : VL033185.D
Acq On : 13 Feb 2019 12:14
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Quant Time: Feb 14 04:25:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 1104031 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.30 | 114 | 2765384 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.25 | 117 | 3340676 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 2169881 | 8.43 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 84.30% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.08 | 85 | 2005769 | 9.503 | ppbv | 95 |
| 3) Chlorodifluoromethane | 3.02 | 51 | 1225143 | 9.216 | ppbv | 98 |
| 4) Chloromethane | 3.17 | 50 | 667380 | 9.508 | ppbv | 94 |
| 5) Vinyl Chloride | 3.29 | 62 | 648185 | 8.837 | ppbv | 99 |
| 6) Bromomethane | 3.52 | 94 | 392814 | 9.751 | ppbv | 96 |
| 7) Chloroethane | 3.60 | 64 | 239733 | 10.005 | ppbv | 99 |
| 8) Dichlorotetrafluoroethane | 3.22 | 85 | 1514436 | 9.174 | ppbv | 99 |
| 9) Propene | 3.04 | 41 | 578054 | 9.002 | ppbv | 99 |
| 10) Heptane | 8.25 | 43 | 1532434 | 7.888 | ppbv | 99 |
| 11) Trichlorofluoromethane | 4.00 | 101 | 1619037 | 9.475 | ppbv | 99 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55 | 101 | 1073955 | 9.068 | ppbv | 100 |
| 13) Ethanol | 3.65 | 45 | 121867 | 5.691 | ppbv | 100 |
| 14) Bromoethene | 3.79 | 108 | 506237 | 9.913 | ppbv | 97 |
| 15) Acetone | 3.90 | 43 | 1099722 | 8.841 | ppbv | 100 |
| 16) 1,3-Butadiene | 3.36 | 39 | 530897 | 8.992 | ppbv | 96 |
| 17) tert-Butyl alcohol | 4.35 | 59 | 265134 | 11.180 | ppbv | 100 |
| 18) 1,1-Dichloroethene | 4.35 | 96 | 498329 | 9.400 | ppbv | 98 |
| 19) Isopropyl Alcohol | 4.02 | 45 | 809548 | 9.596 | ppbv # | 98 |
| 20) Methylene Chloride | 4.41 | 84 | 431125 | 8.714 | ppbv | 97 |
| 21) Allyl Chloride | 4.48 | 41 | 801137 | 9.755 | ppbv | 100 |
| 22) trans-1,2-Dichloroethene | 4.96 | 96 | 495960 | 9.633 | ppbv | 97 |
| 23) Vinyl Acetate | 5.16 | 43 | 2055929 | 9.537 | ppbv | 99 |
| 24) 1,1-Dichloroethane | 5.09 | 63 | 1393202 | 9.137 | ppbv | 100 |
| 25) Ethyl Acetate | 5.77 | 43 | 2411589 | 8.623 | ppbv | 100 |
| 26) Hexane | 5.78 | 57 | 1104378 | 8.412 | ppbv | 100 |
| 27) Carbon Disulfide | 4.62 | 76 | 1236335 | 10.279 | ppbv | 100 |
| 28) Methyl tert-Butyl Ether | 5.11 | 73 | 1715456 | 9.562 | ppbv | 100 |
| 29) Chloroform | 5.85 | 83 | 1781423 | 8.854 | ppbv | 94 |
| 30) Cyclohexane | 7.25 | 84 | 978564 | 8.033 | ppbv | 99 |
| 31) cis-1,2-Dichloroethene | 5.64 | 61 | 1164712 | 8.863 | ppbv | 99 |
| 32) 1,1,1-Trichloroethane | 6.62 | 97 | 1808649 | 8.164 | ppbv | 100 |
| 34) 2-Butanone | 5.33 | 43 | 1642738 | 9.365 | ppbv | 99 |
| 35) Carbon Tetrachloride | 7.14 | 117 | 1852159 | 8.770 | ppbv | 98 |
| 36) Benzene | 7.01 | 78 | 2433171 | 8.682 | ppbv | 99 |
| 37) 1,2-Dichloroethane | 6.42 | 62 | 1397409 | 8.997 | ppbv | 100 |
| 38) Trichloroethene | 7.97 | 130 | 886862 | 7.389 | ppbv | 99 |
| 39) 1,2-Dichloropropane | 7.74 | 63 | 956975 | 8.646 | ppbv | 98 |
| 40) 1,4-Dioxane | 7.96 | 88 | 317402 | 7.890 | ppbv | 97 |
| 41) Tetrahydrofuran | 6.15 | 42 | 993099 | 9.147 | ppbv | 99 |
| 42) Bromodichloromethane | 7.92 | 83 | 2027248 | 9.007 | ppbv | 99 |
| 43) Methyl Methacrylate | 8.14 | 69 | 1002728 | 8.912 | ppbv | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

Quantitation Report (Not Reviewed)

Data File : VL033185.D
Acq On : 13 Feb 2019 12:14
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Quant Time: Feb 14 04:25:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.99 | 57 | 3980316 | 8.381 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 9.42 | 75 | 1297049 | 10.376 | ppbv | | 99 |
| 46) cis-1,3-Dichloropropene | 8.84 | 75 | 1508914 | 9.477 | ppbv | | 97 |
| 47) 1,1,2-Trichloroethane | 9.62 | 97 | 979309 | 8.526 | ppbv | | 96 |
| 48) Dibromochloromethane | 10.46 | 129 | 1741147 | 9.628 | ppbv | | 100 |
| 49) Bromoform | 13.21 | 173 | 1474877 | 9.480 | ppbv | | 100 |
| 50) 4-Methyl-2-Pentanone | 8.87 | 43 | 2456035 | 8.732 | ppbv | | 99 |
| 51) 2-Hexanone | 10.27 | 43 | 2019678 | 9.107 | ppbv | | 100 |
| 52) Tetrachloroethene | 11.38 | 164 | 861681 | 8.003 | ppbv | | 97 |
| 53) Toluene | 9.95 | 91 | 2926551 | 8.818 | ppbv | | 99 |
| 54) 1,2-Dibromoethane | 10.77 | 107 | 1568688 | 8.709 | ppbv | | 99 |
| 56) 1,1,1,2-Tetrachloroethane | 12.28 | 131 | 1135888 | 7.408 | ppbv | | 99 |
| 57) Chlorobenzene | 12.31 | 112 | 1961623 | 6.726 | ppbv | | 98 |
| 58) Ethyl Benzene | 12.87 | 91 | 3806200 | 7.040 | ppbv | | 99 |
| 59) m/p-Xylene | 13.15 | 91 | 2767033 | 6.132 | ppbv | # | 100 |
| 60) o-Xylene | 13.86 | 91 | 3026167 | 6.897 | ppbv | | 99 |
| 61) Styrene | 13.69 | 104 | 2364425 | 7.144 | ppbv | | 100 |
| 62) Isopropylbenzene | 14.83 | 105 | 4413595 | 7.131 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.84 | 83 | 2089198 | 6.061 | ppbv | | 99 |
| 64) n-propylbenzene | 15.73 | 120 | 1131628 | 7.194 | ppbv | | 100 |
| 65) tert-Butylbenzene | 16.91 | 119 | 3787342 | 7.027 | ppbv | | 100 |
| 66) Benzyl Chloride | 17.16 | 91 | 2008550 | 10.497 | ppbv | | 100 |
| 67) sec-Butylbenzene | 17.47 | 105 | 5369143 | 6.862 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.82 | 119 | 4431711 | 6.800 | ppbv | | 100 |
| 70) n-Butylbenzene | 18.72 | 91 | 4712599 | 6.702 | ppbv | | 100 |
| 71) 2-Chlorotoluene | 15.62 | 91 | 3463032 | 7.121 | ppbv | | 100 |
| 72) 4-Ethyltoluene | 16.01 | 105 | 3661626 | 7.240 | ppbv | | 100 |
| 73) 1,3,5-Trimethylbenzene | 16.16 | 105 | 3510637 | 7.258 | ppbv | | 99 |
| 74) 1,2,4-Trimethylbenzene | 16.93 | 105 | 3428875 | 6.831 | ppbv | # | 89 |
| 75) 1,3-Dichlorobenzene | 17.17 | 146 | 1955335 | 6.755 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.31 | 146 | 2008554 | 7.006 | ppbv | | 100 |
| 77) 1,2-Dichlorobenzene | 17.99 | 146 | 1962902 | 6.863 | ppbv | | 99 |
| 78) Hexachloro-1,3-Butadiene | 23.55 | 225 | 1472142 | 10.339 | ppbv | | 100 |
| 79) Naphthalene | 22.42 | 128 | 3518191 | 6.523 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 25.12 | 142 | 1414997 | 5.181 | ppbv | | 99 |
| 81) 1,2,4-Trichlorobenzene | 22.14 | 180 | 1745233 | 6.369 | ppbv | | 100 |

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

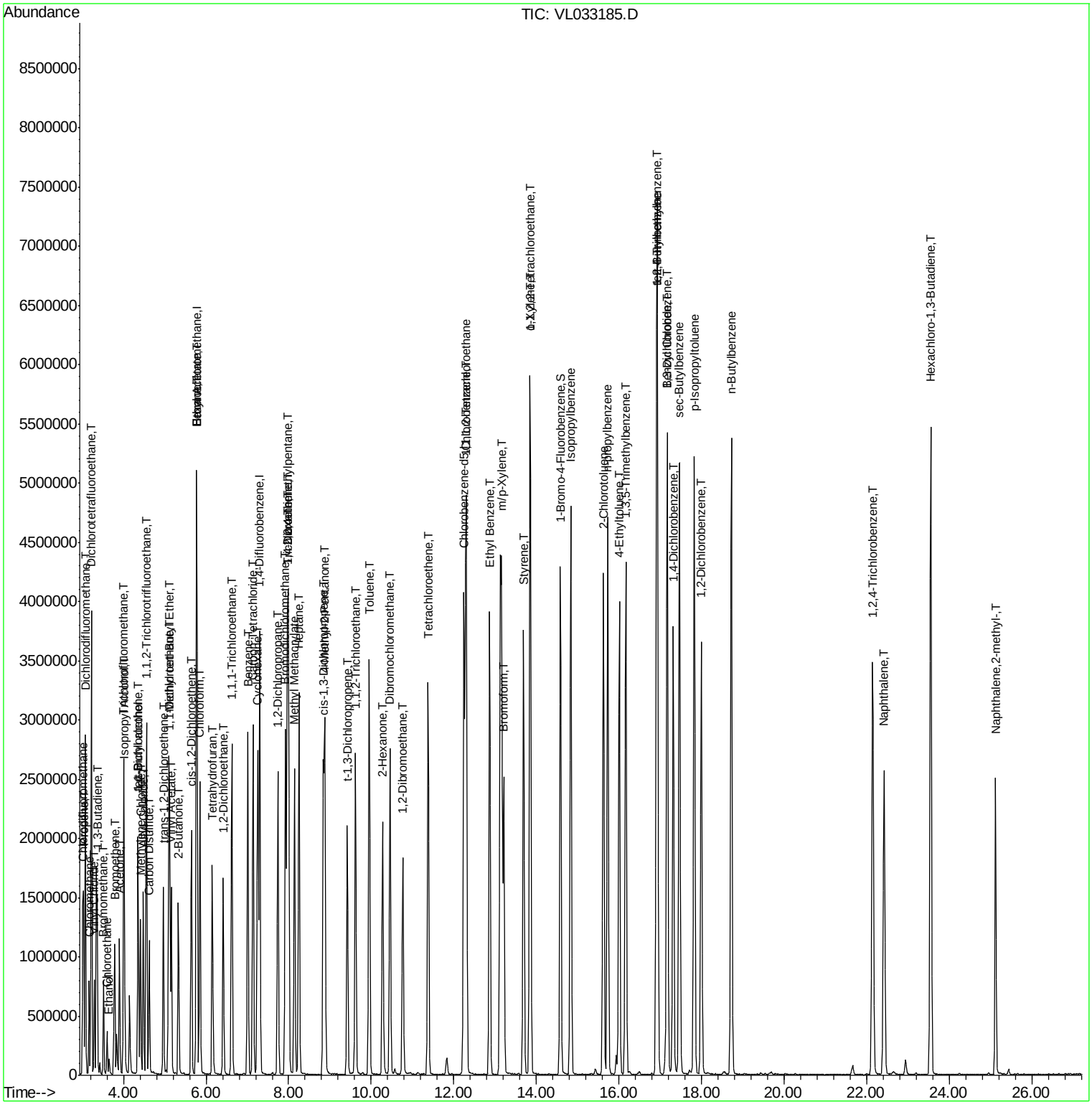
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

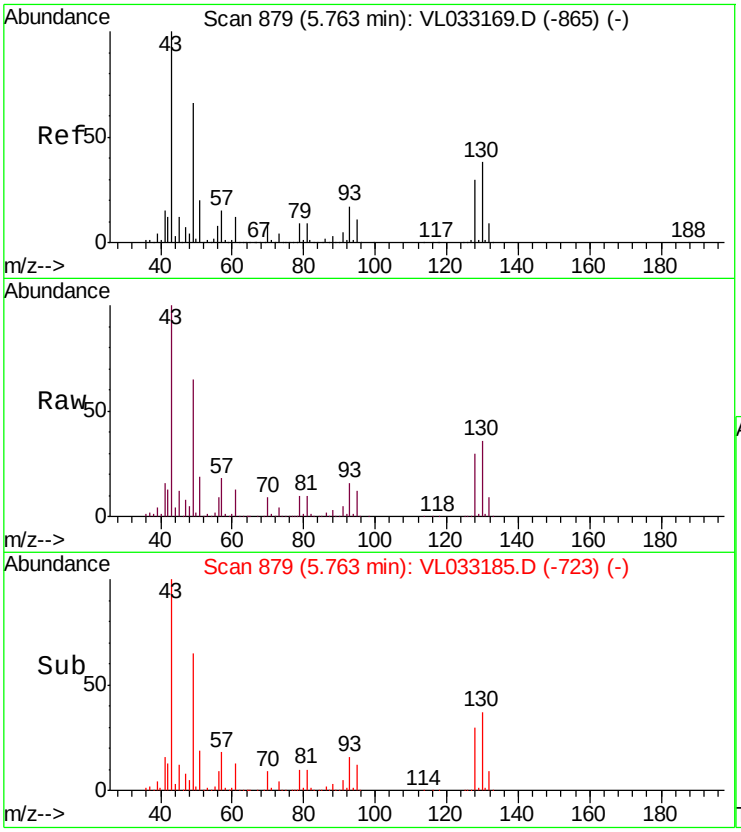
Quantitation Report (Not Reviewed)

Data File : VL033185.D
Acq On : 13 Feb 2019 12:14
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Quant Time: Feb 14 04:25:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration



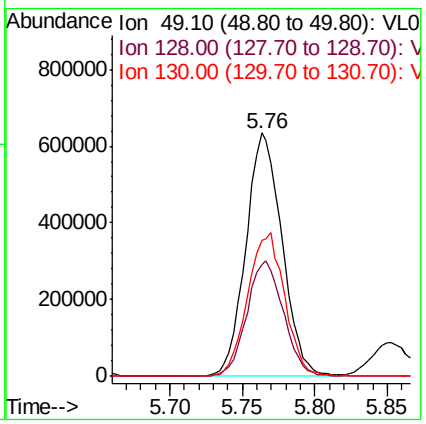


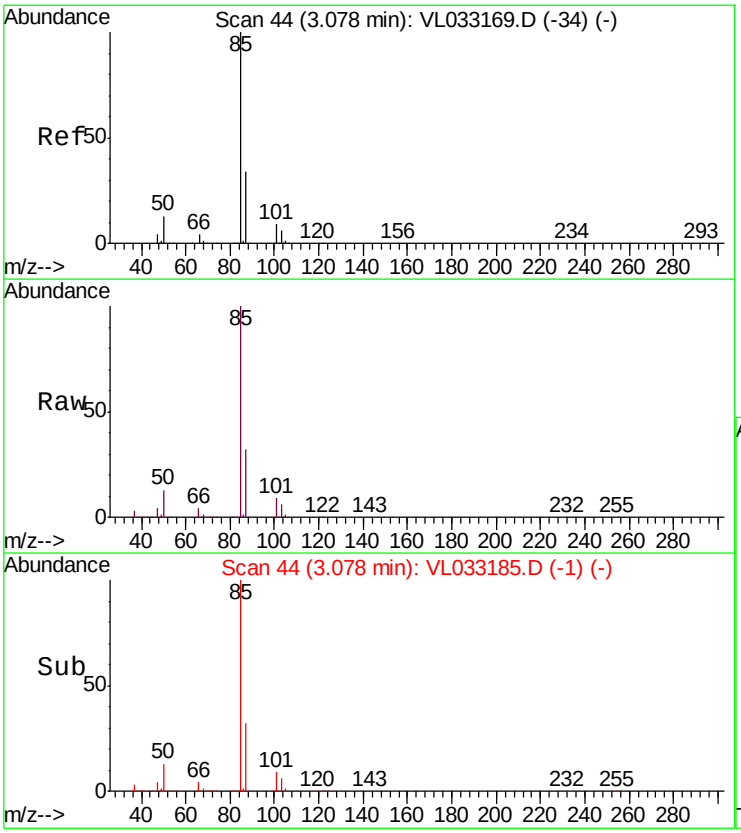

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 49 Resp: 1104031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 48.1 | 23.6 | 71.0 |
| 130 | 60.6 | 30.3 | 91.0 |

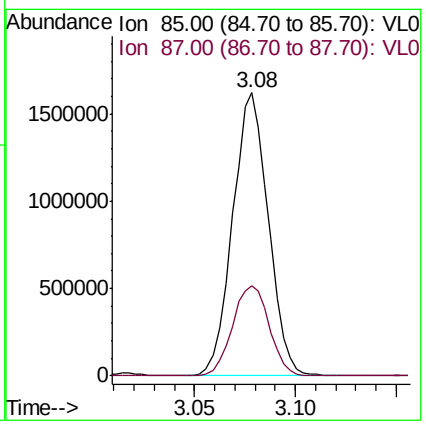


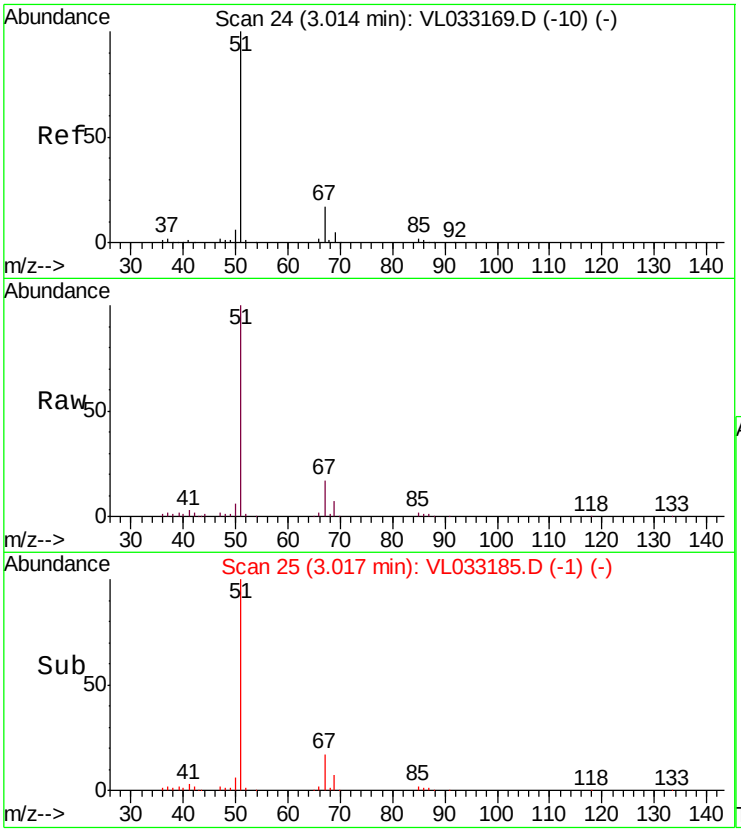




#2
Dichlorodifluoromethane
Concen: 9.503 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 85 Resp: 2005769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.6 | 27.4 | 41.2 |



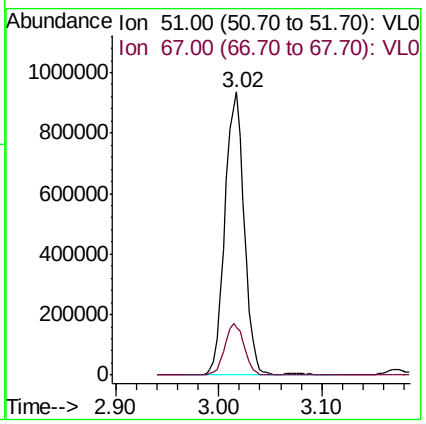


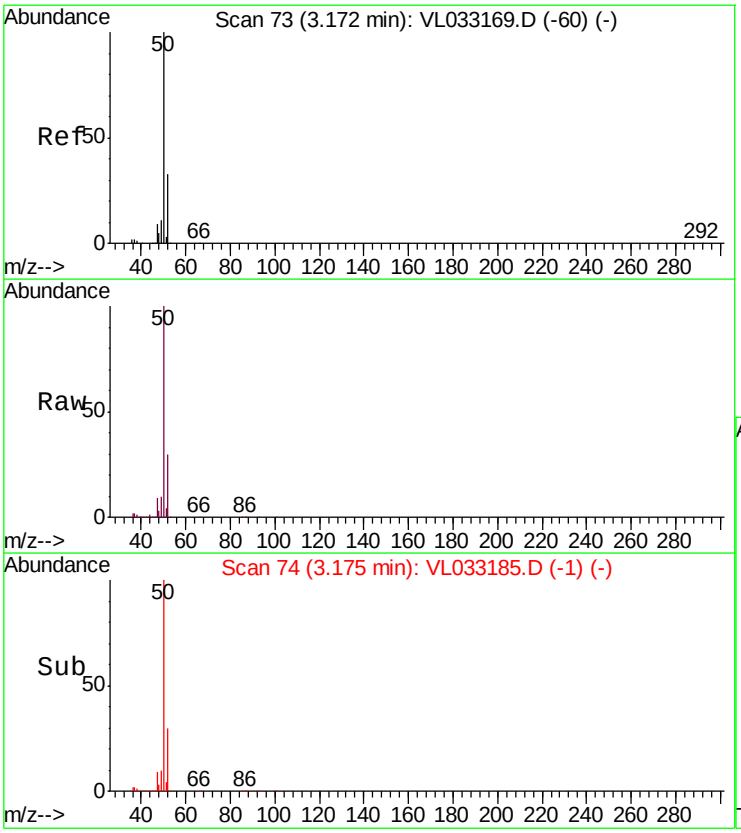

#3
Chlorodifluoromethane
Concen: 9.216 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 51 Resp: 1225143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 18.2 | 14.0 | 21.0 |

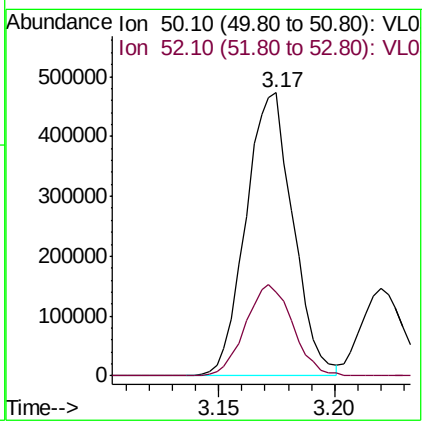


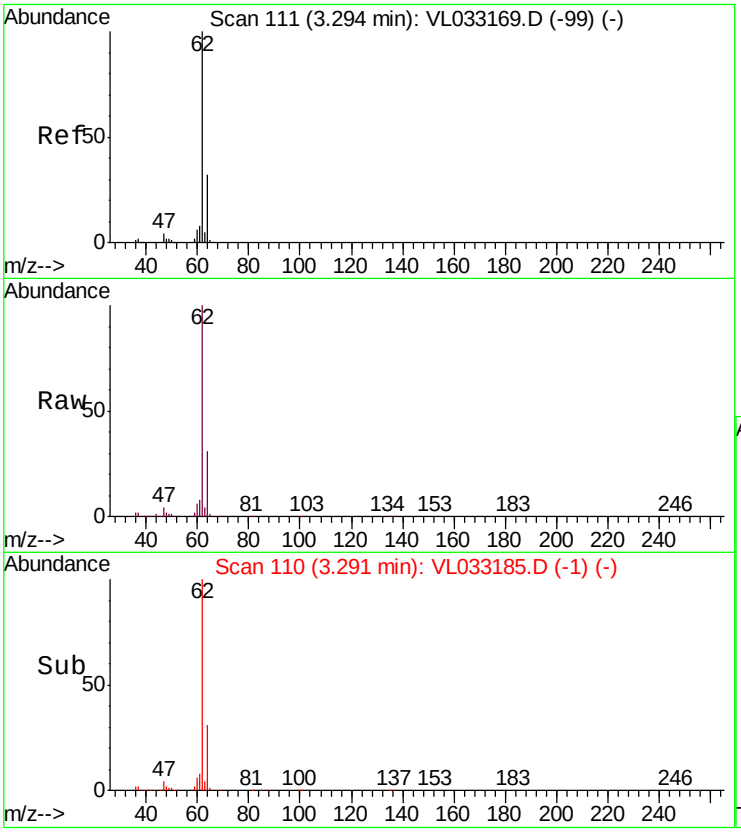




#4
Chloromethane
Concen: 9.508 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 50 Resp: 667380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.6 | 26.5 | 39.7 |



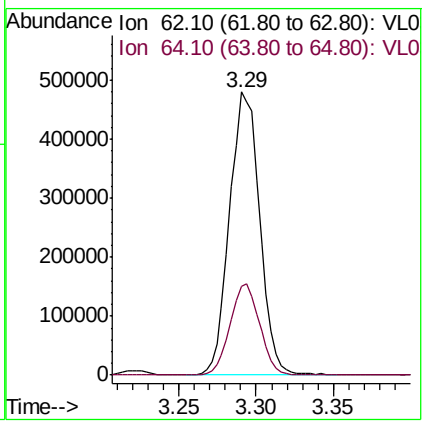


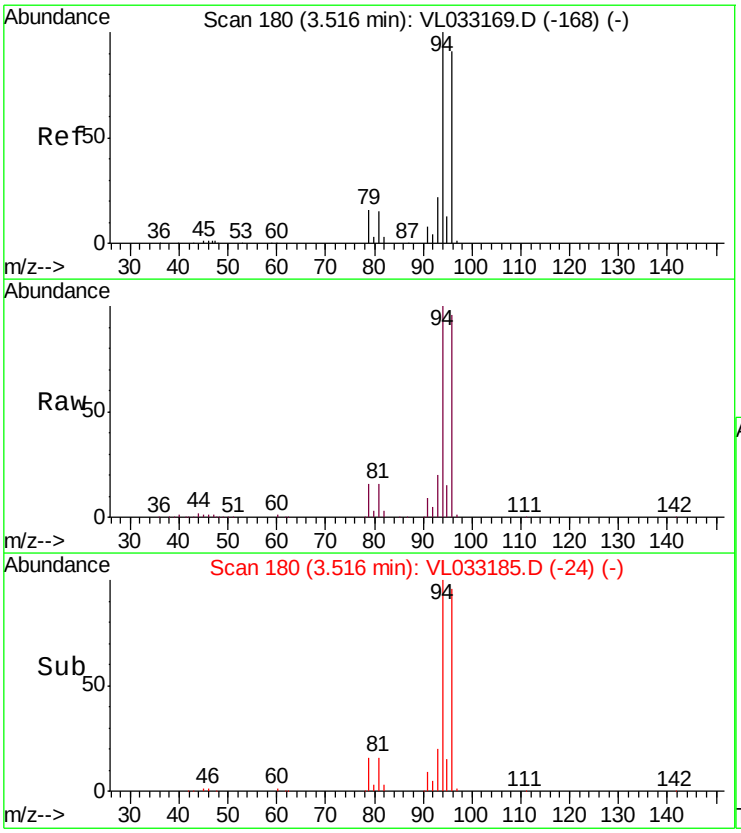

#5
Vinyl Chloride
Concen: 8.837 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 62 Resp: 648185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.4 | 25.6 | 38.4 |

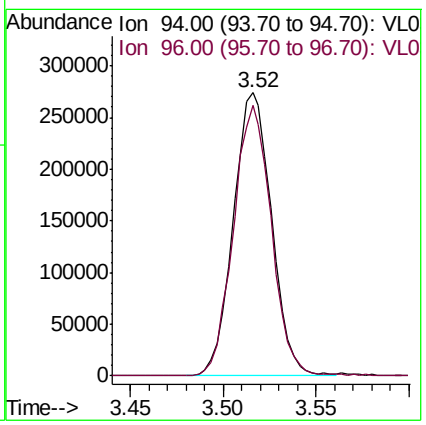


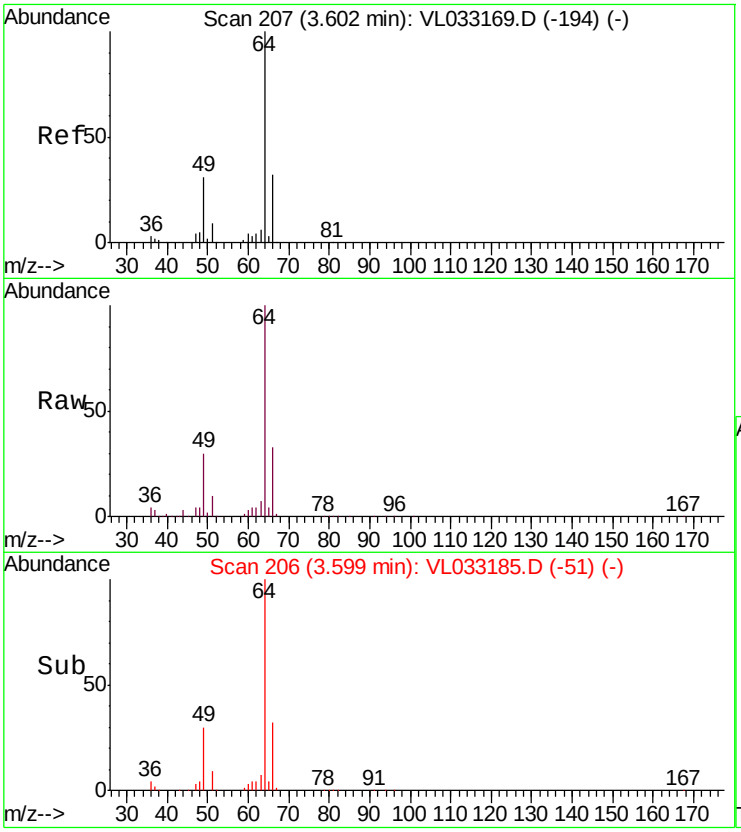




#6
Bromomethane
Concen: 9.751 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 94 Resp: 392814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.6 | 73.2 | 109.8 |



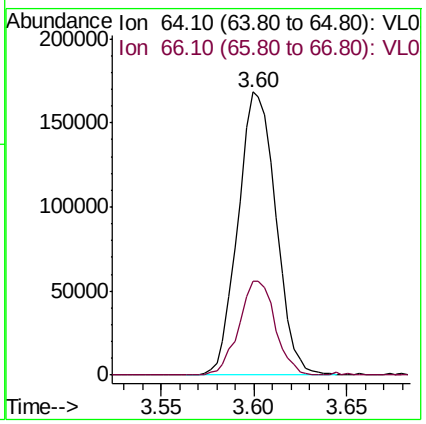


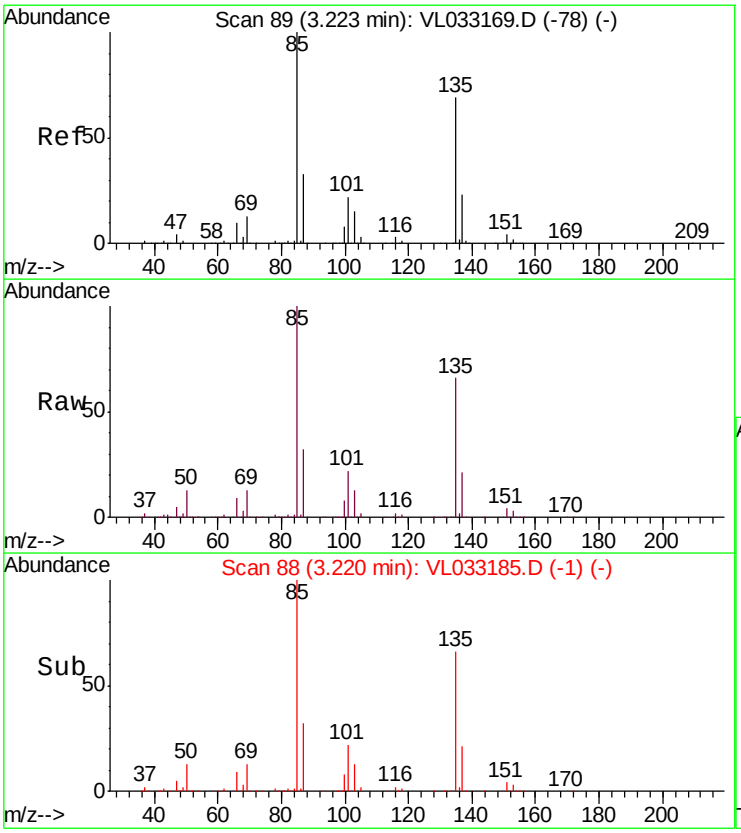

#7
Chloroethane
Concen: 10.005 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 64 Resp: 239733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.3 | 26.0 | 39.0 |

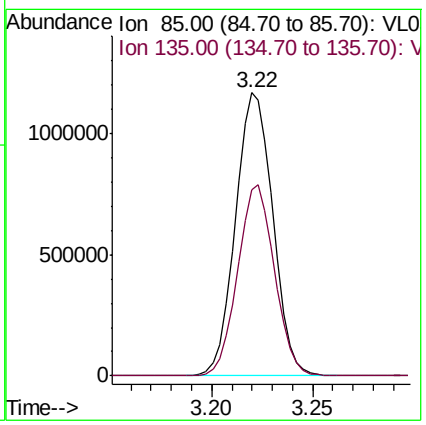


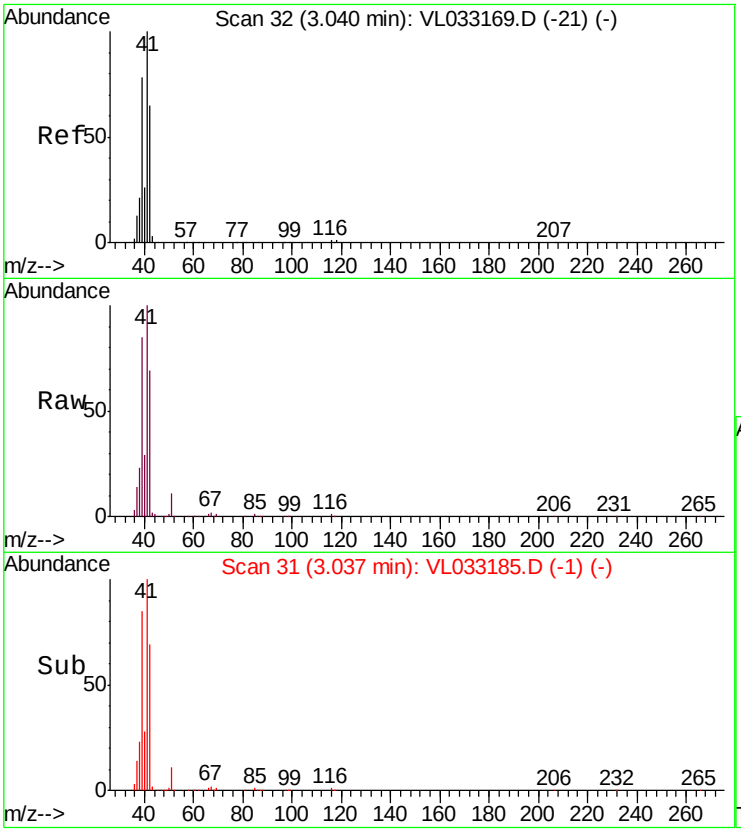




#8
Dichlorotetrafluoroethane
Concen: 9.174 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 85 Resp: 1514436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 66.9 | 54.3 | 81.5 |



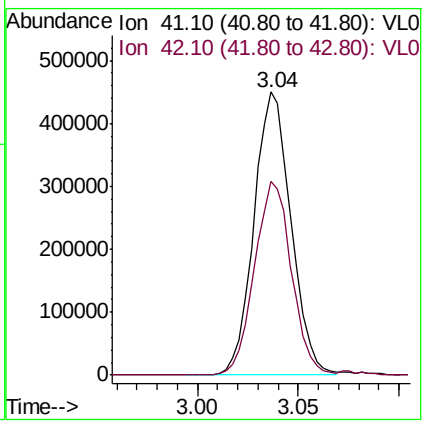


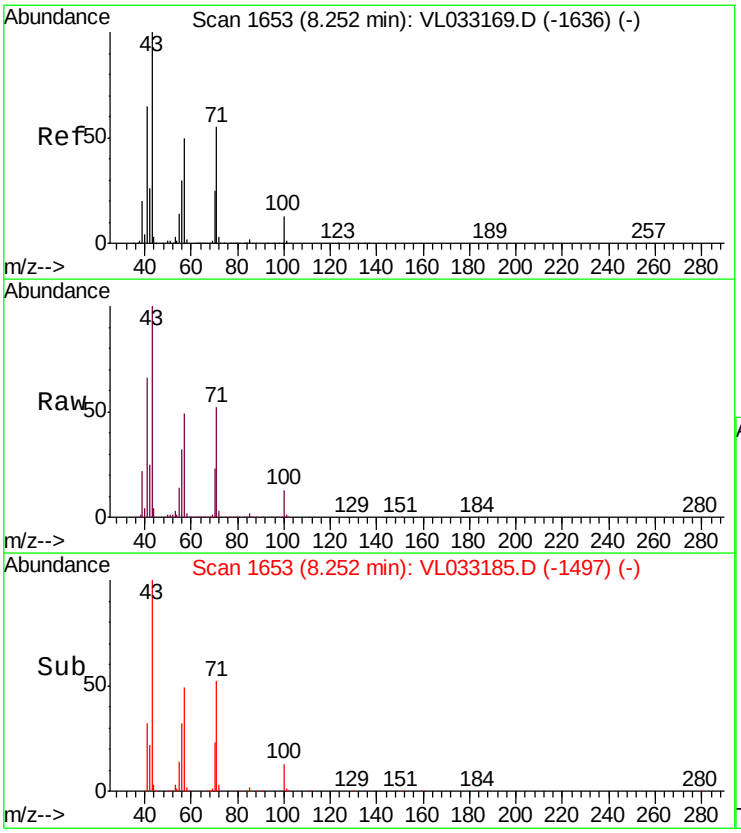

#9
Propene
Concen: 9.002 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 41 Resp: 578054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 69.5 | 55.0 | 82.6 |

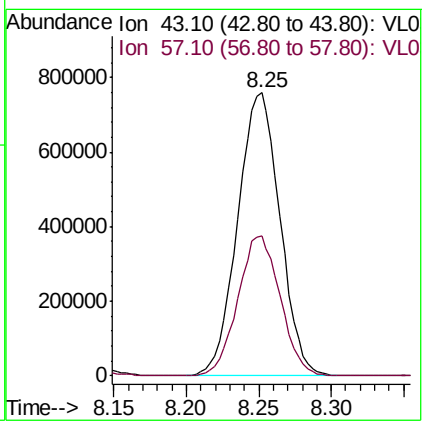


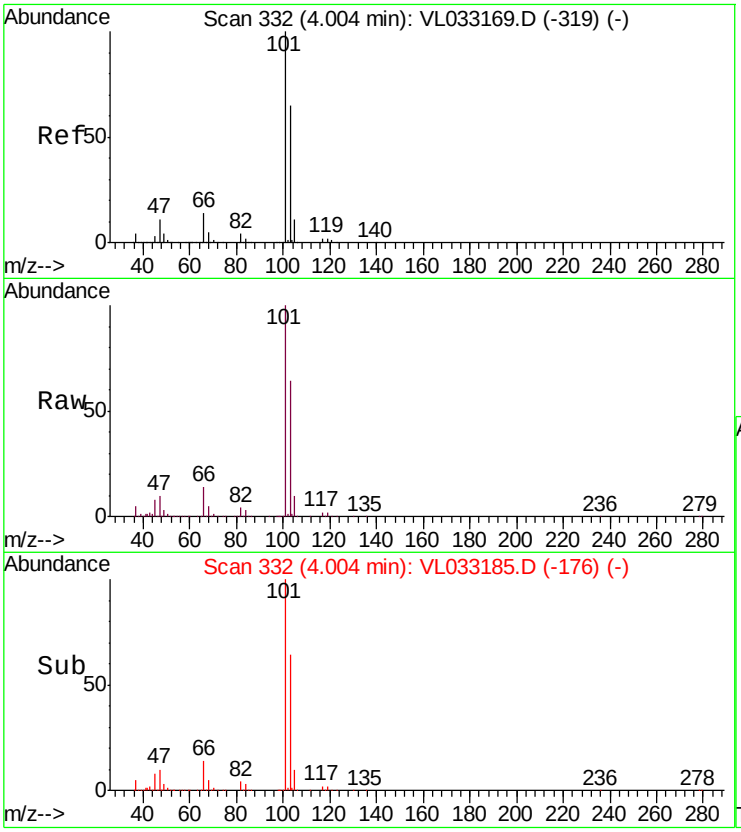




#10
Heptane
Concen: 7.888 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 43 Resp: 1532434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 49.8 | 39.5 | 59.3 |



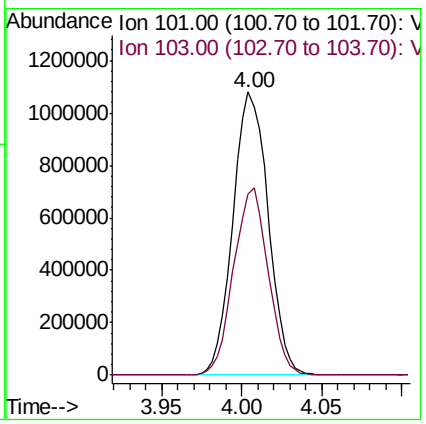


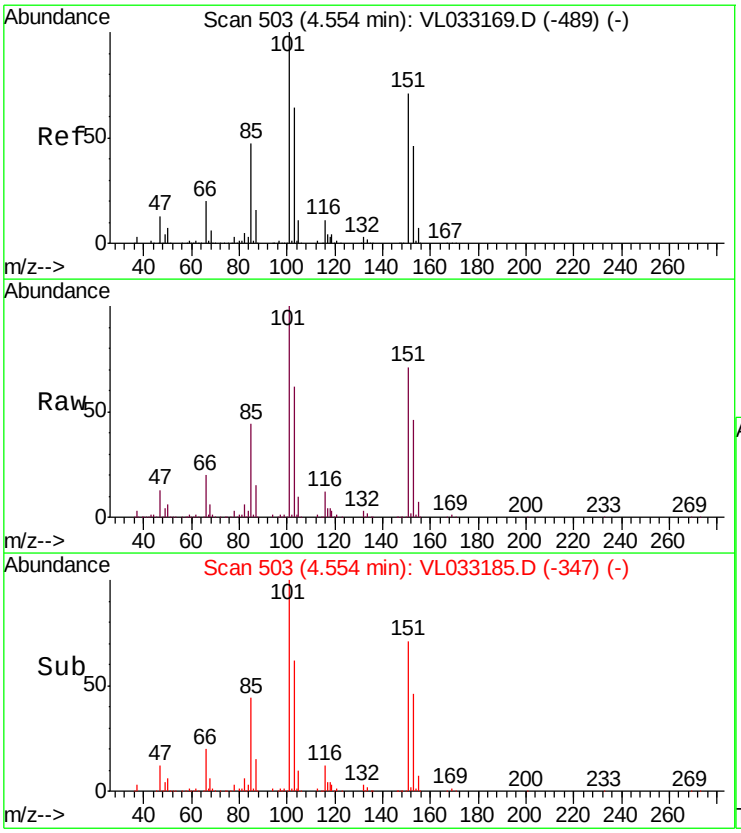

#11
Trichlorofluoromethane
Concen: 9.475 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:101 Resp: 1619037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 51.7 | 77.5 |

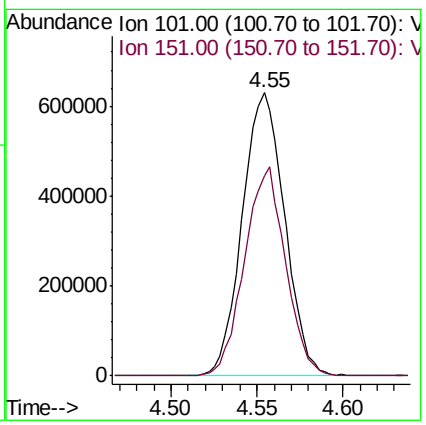


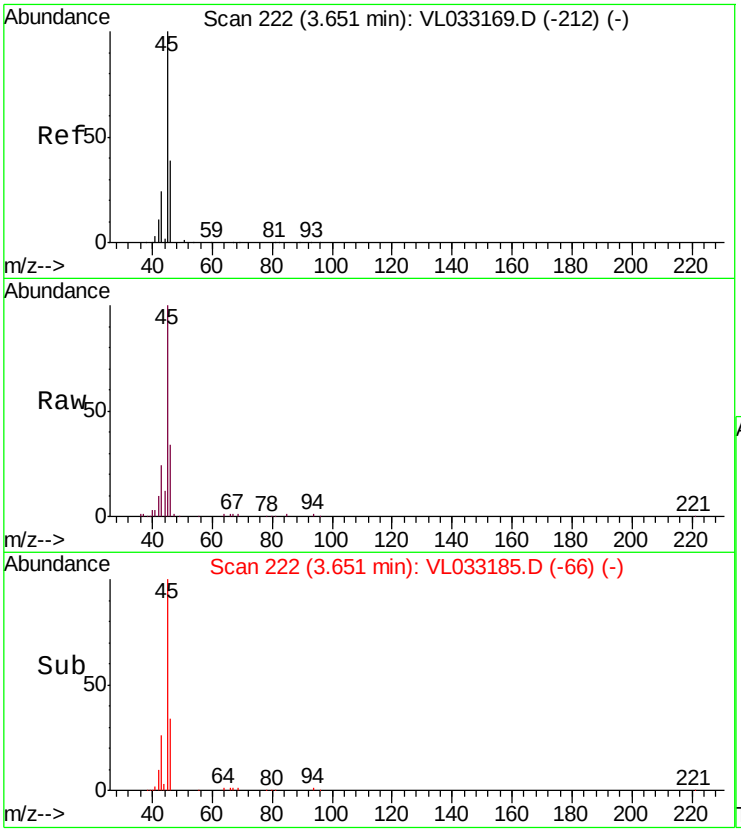




#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.068 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:101 Resp: 1073955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 71.8 | 57.4 | 86.0 |



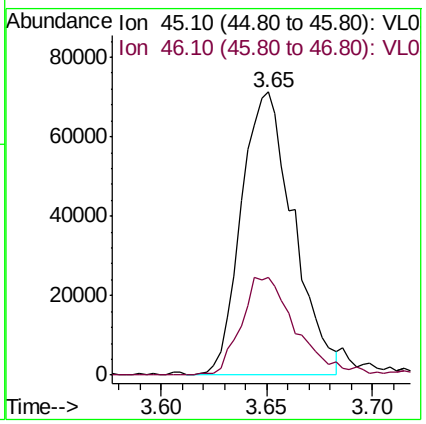


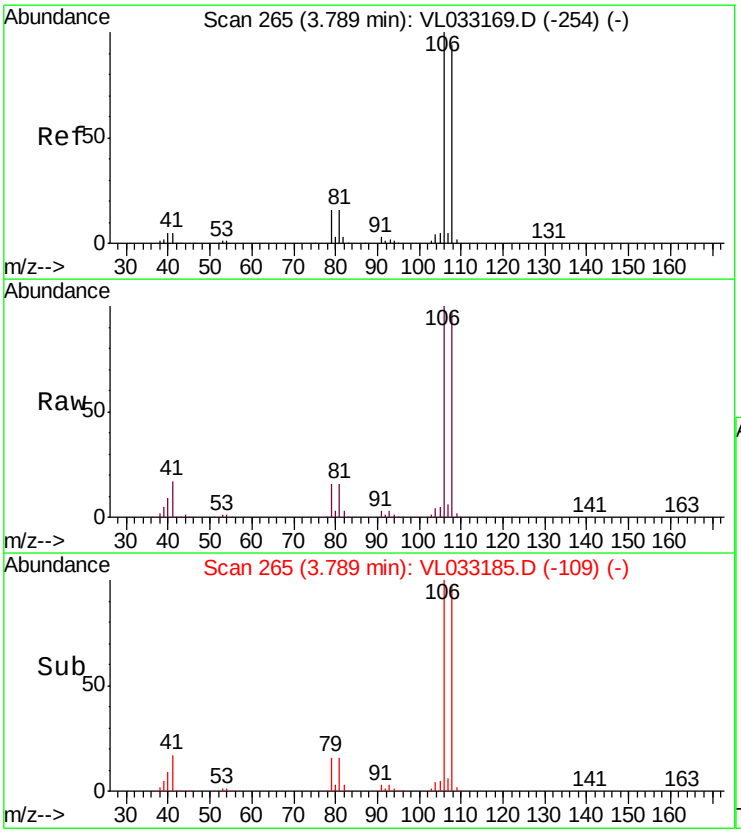

#13
Ethanol
Concen: 5.691 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 45 Resp: 121867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 37.7 | 15.0 | 60.2 |

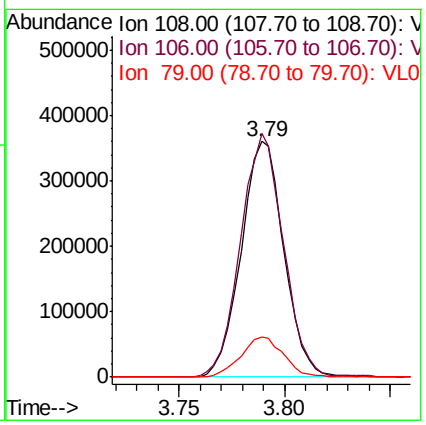


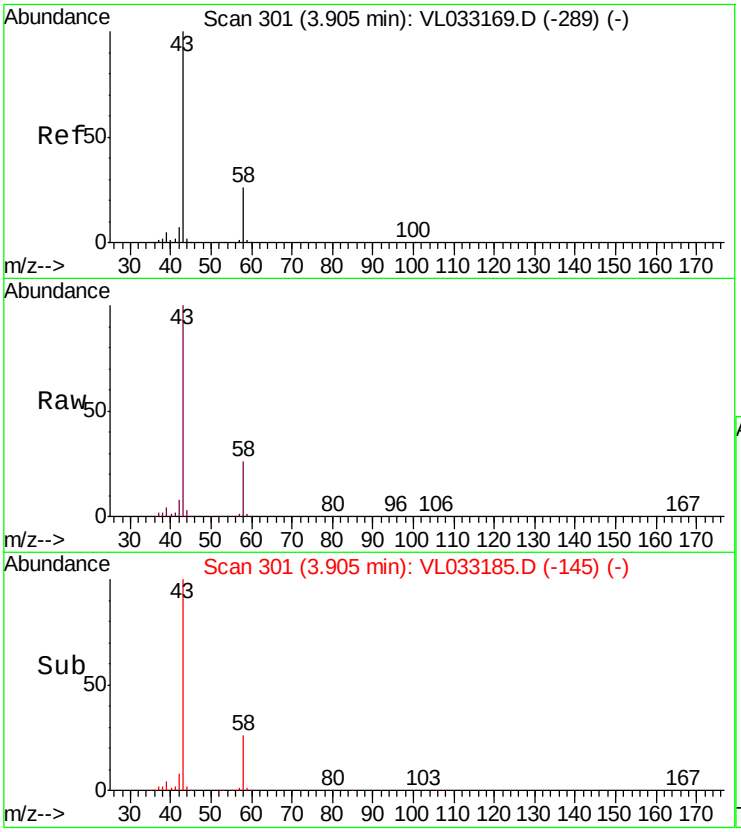




#14
Bromoethene
Concen: 9.913 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:108 Resp: 506237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 104.1 | 86.0 | 129.0 |
| 79 | 17.2 | 14.5 | 21.7 |



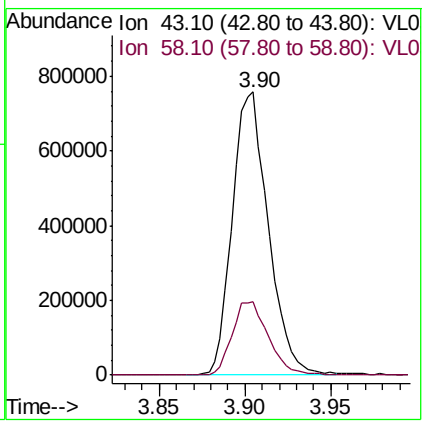


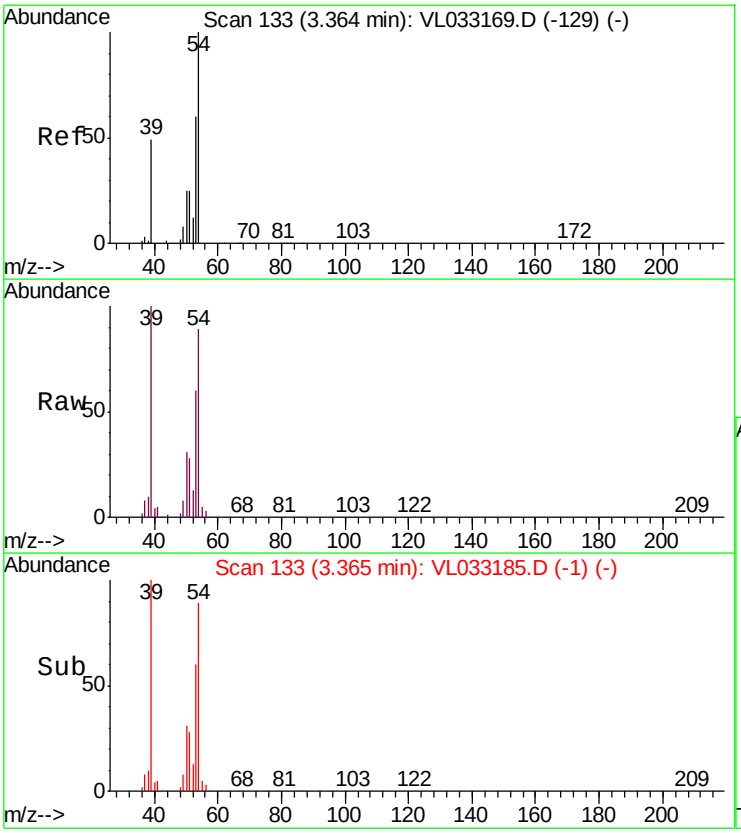

#15
Acetone
Concen: 8.841 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 43 Resp: 1099722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.4 | 21.1 | 31.7 |

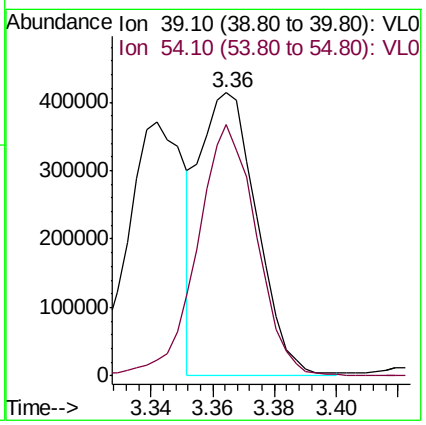


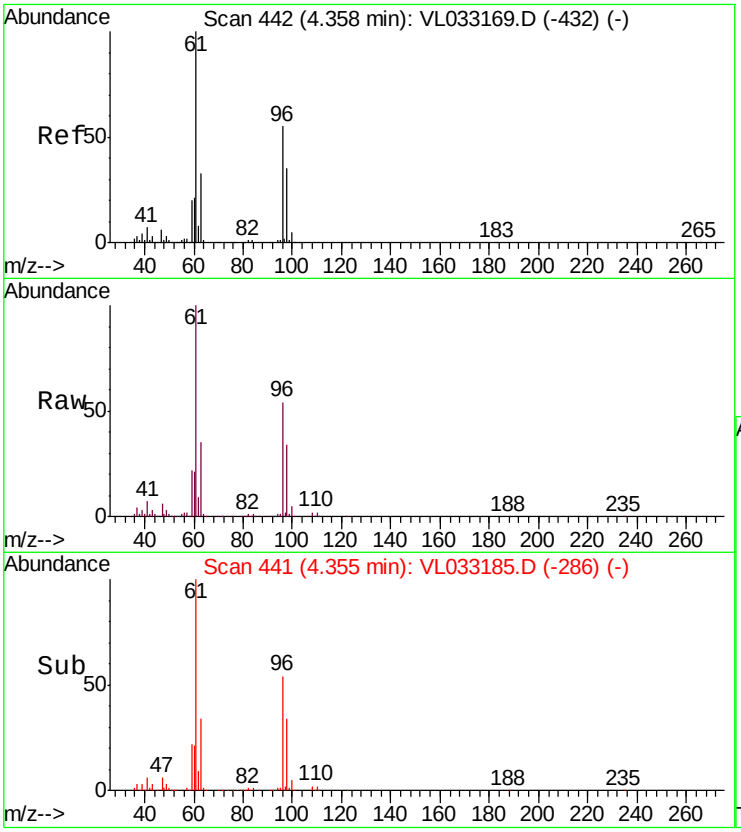




#16
1,3-Butadiene
Concen: 8.992 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 39 Resp: 530897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 93.1 | 71.3 | 106.9 |



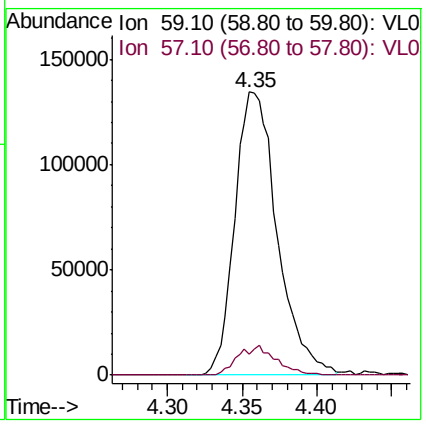


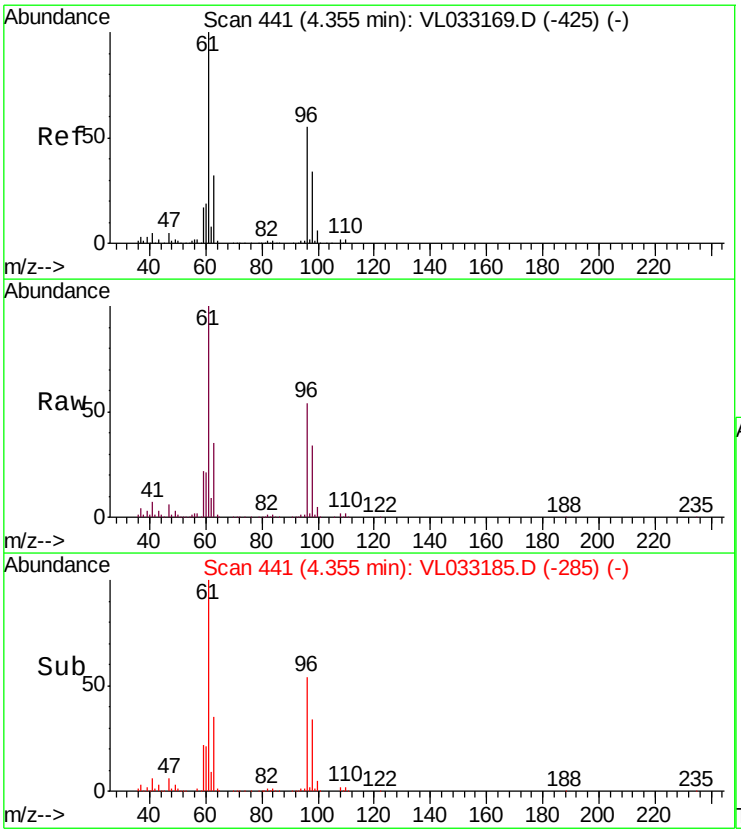

#17
tert-Butyl alcohol
Concen: 11.180 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 59 Resp: 265134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.6 | 7.6 | 11.4 |

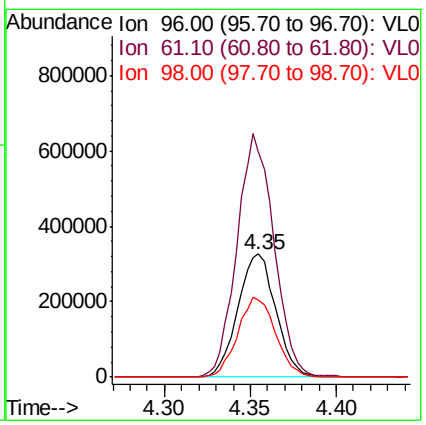


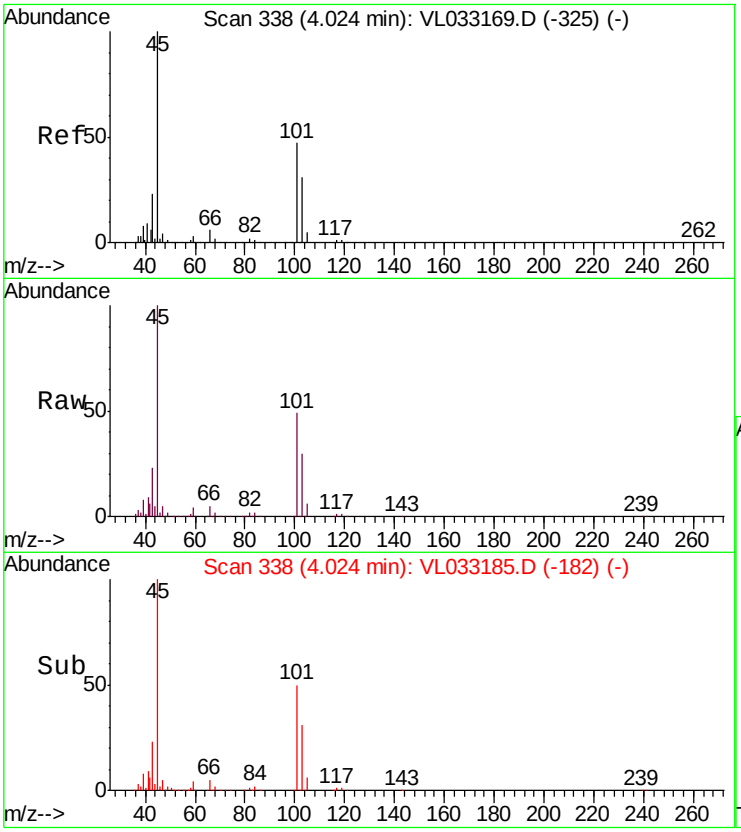




#18
1,1-Dichloroethene
Concen: 9.400 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 96 Resp: 498329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 184.1 | 145.0 | 217.6 |
| 98 | 63.2 | 50.0 | 75.0 |



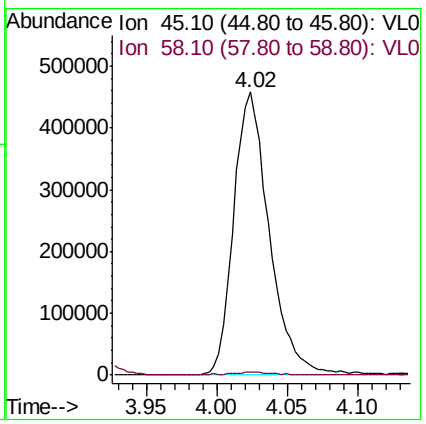


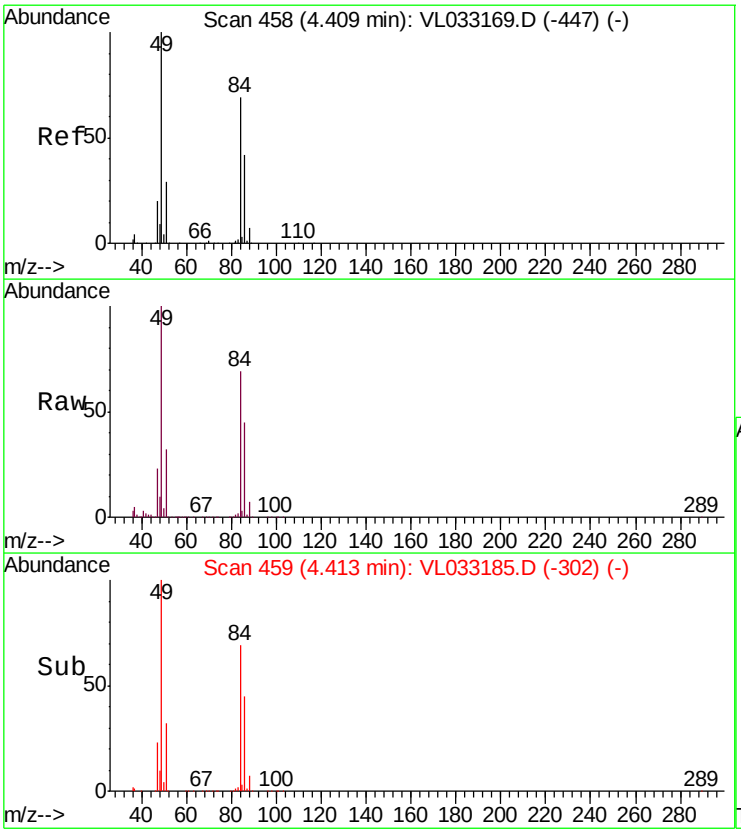

#19
Isopropyl Alcohol
Concen: 9.596 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 45 Resp: 809548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 1.3 | 1.5 | 2.3# |

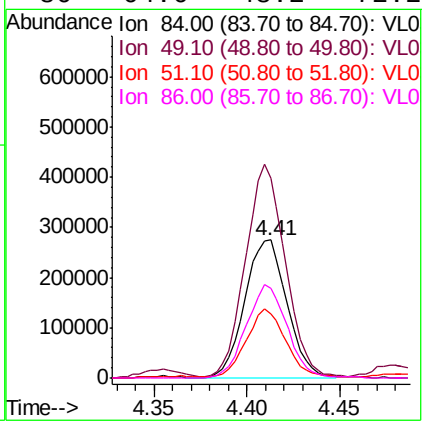


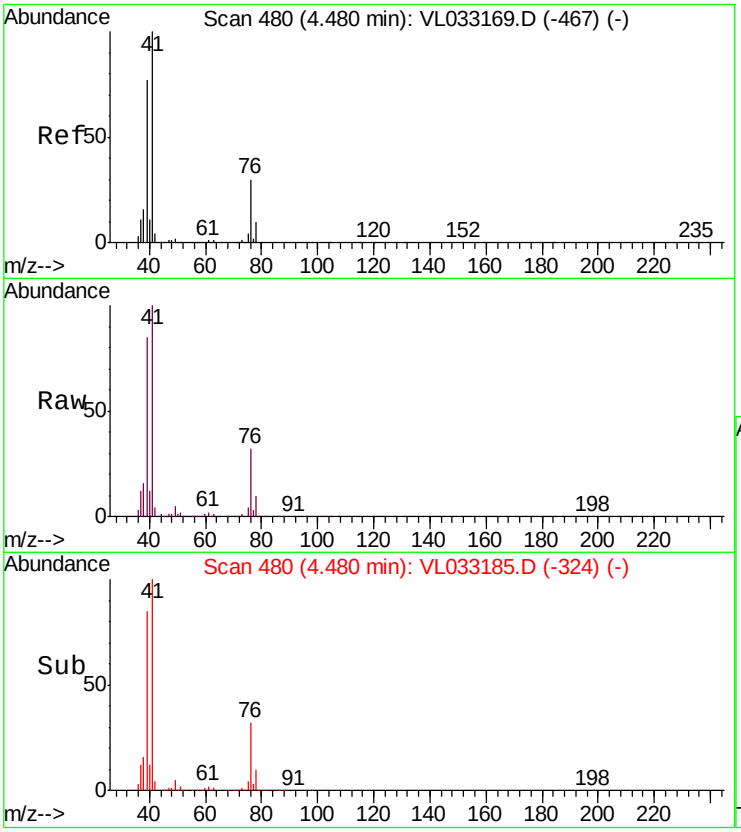




#20
Methylene Chloride
Concen: 8.714 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 84 Resp: 431125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 143.7 | 115.8 | 173.8 |
| 51 | 45.6 | 33.0 | 49.6 |
| 86 | 64.6 | 48.2 | 72.2 |



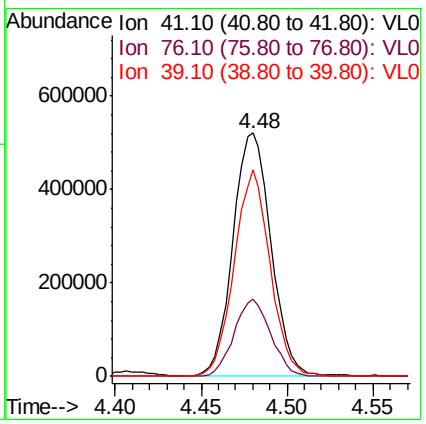


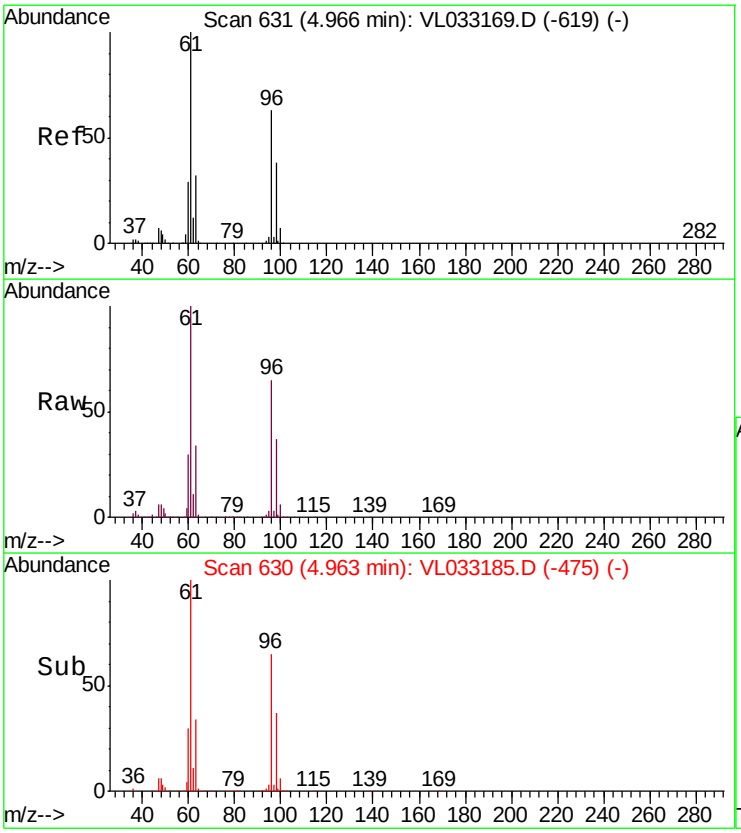

#21
Allyl Chloride
Concen: 9.755 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 41 Resp: 801137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 30.9 | 24.5 | 36.7 |
| 39 | 80.3 | 64.1 | 96.1 |

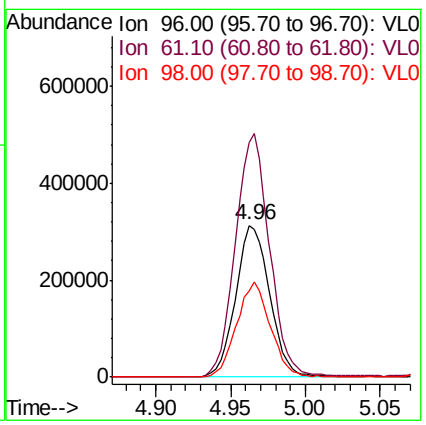


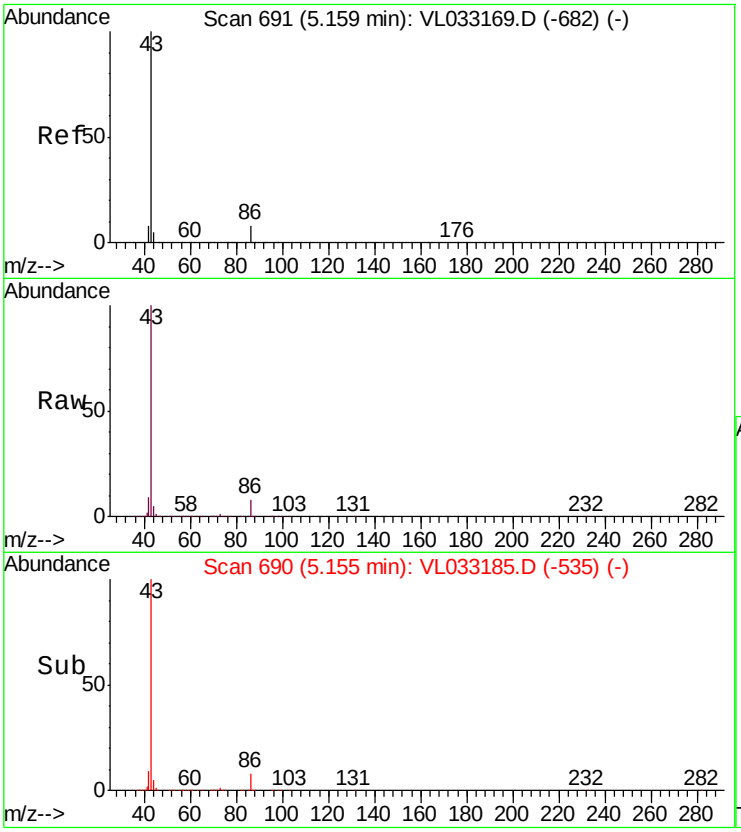




#22
trans-1,2-Dichloroethene
Concen: 9.633 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 96 Resp: 495960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.0 | 126.4 | 189.6 |
| 98 | 56.9 | 48.4 | 72.6 |



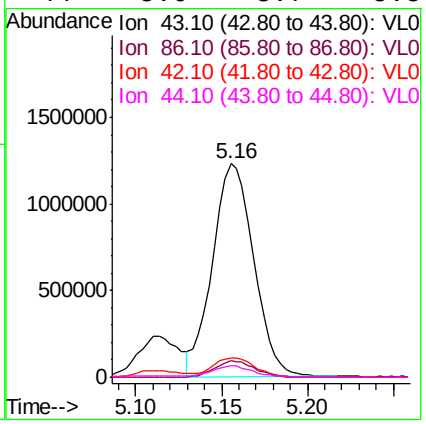


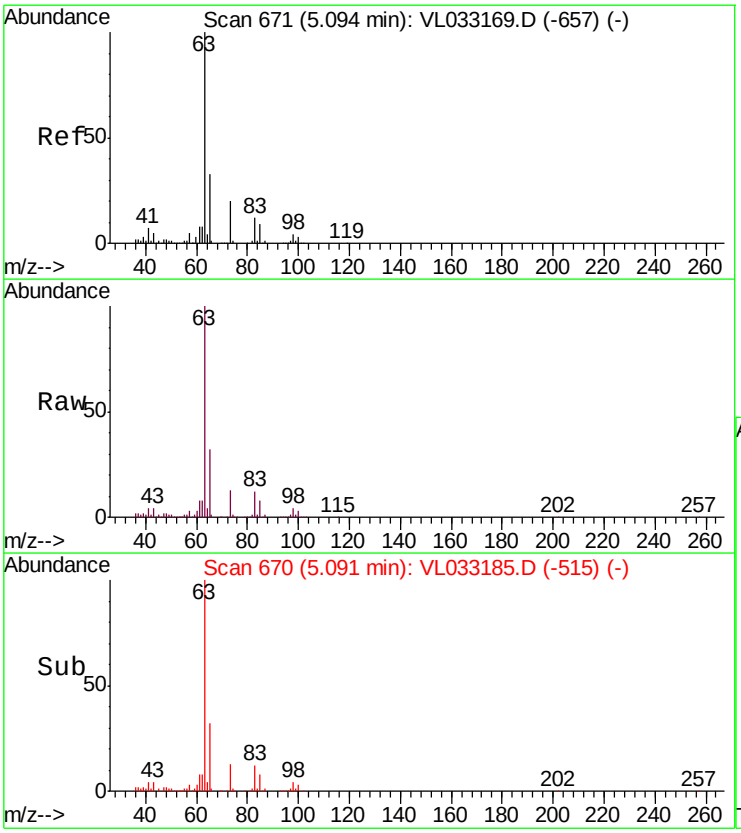

#23
Vinyl Acetate
Concen: 9.537 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 43 Resp: 2055929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.8 | 5.8 | 8.8 |
| 42 | 9.1 | 7.4 | 11.0 |
| 44 | 5.0 | 3.7 | 5.5 |

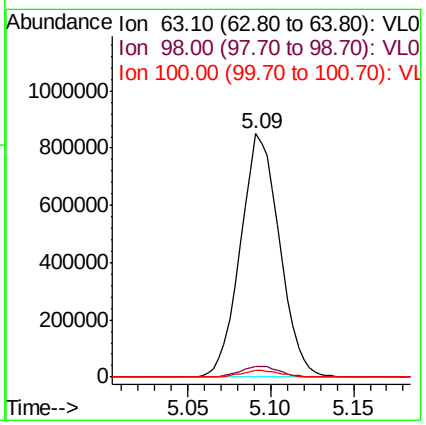


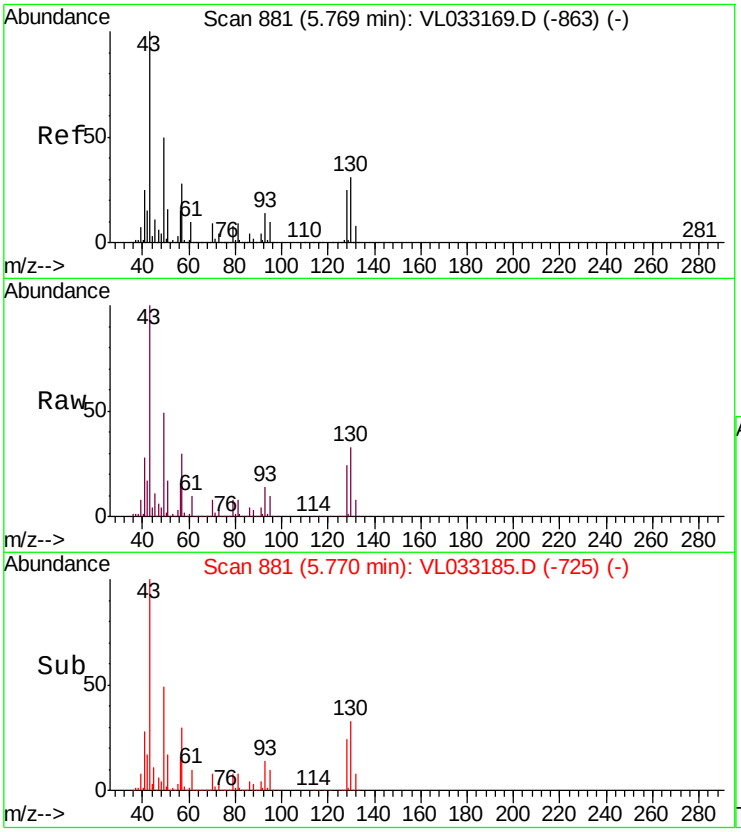




#24
1,1-Dichloroethane
Concen: 9.137 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 63 Resp: 1393202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.2 | 2.1 | 6.5 |
| 100 | 2.8 | 1.4 | 4.2 |



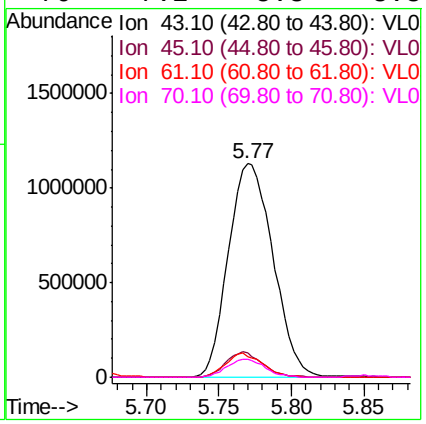


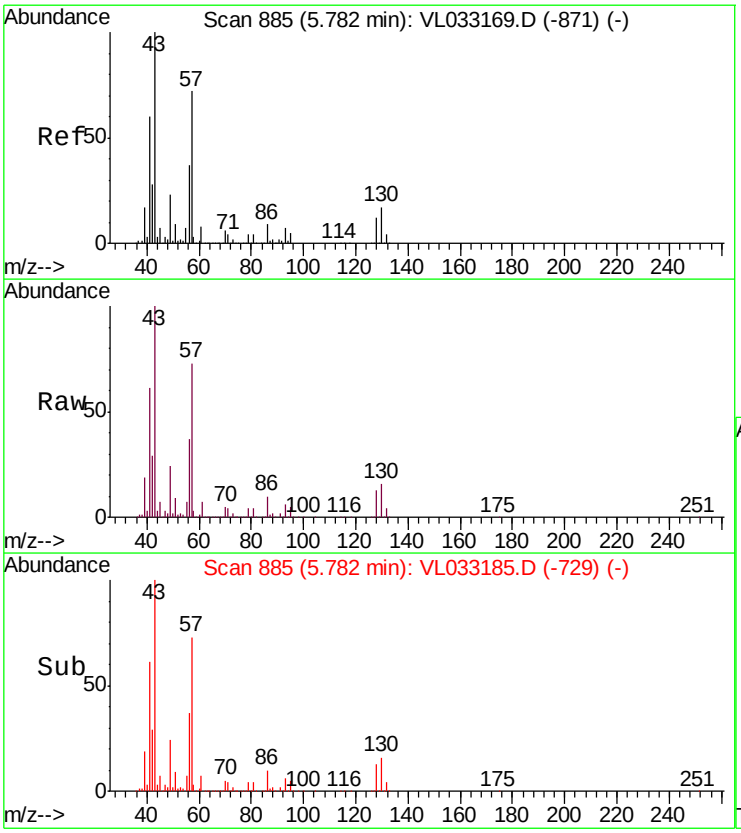

#25
Ethyl Acetate
Concen: 8.623 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 43 Resp: 2411589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.9 | 7.9 | 11.9 |
| 61 | 9.5 | 7.5 | 11.3 |
| 70 | 7.2 | 5.8 | 8.8 |

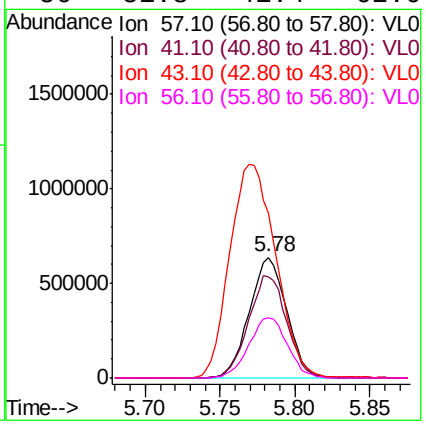


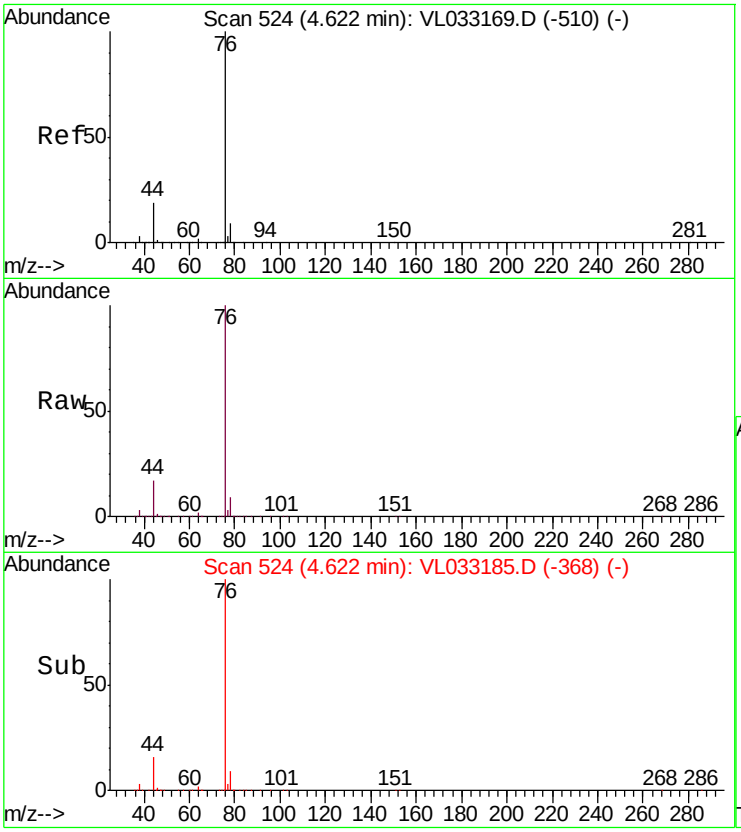




#26
Hexane
Concen: 8.412 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 57 Resp: 1104378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 87.1 | 69.4 | 104.2 |
| 43 | 219.9 | 176.7 | 265.1 |
| 56 | 51.8 | 41.4 | 62.0 |



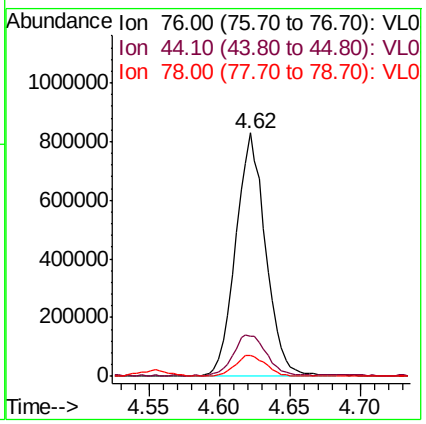


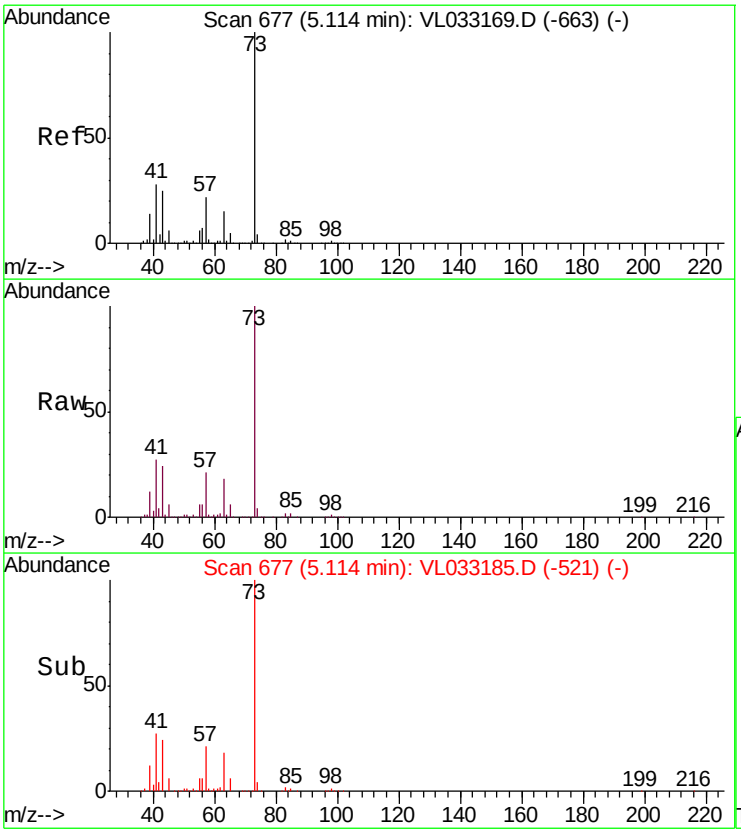

#27
Carbon Disulfide
Concen: 10.279 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 76 Resp: 1236335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 18.9 | 15.0 | 22.4 |
| 78 | 9.1 | 7.4 | 11.0 |

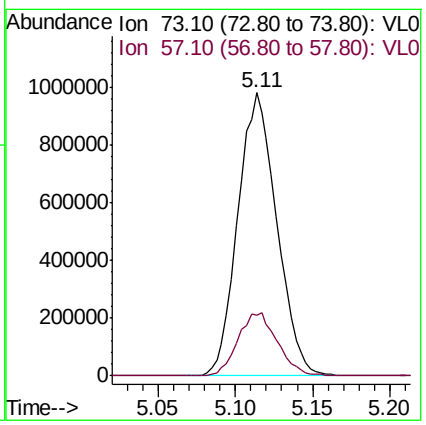


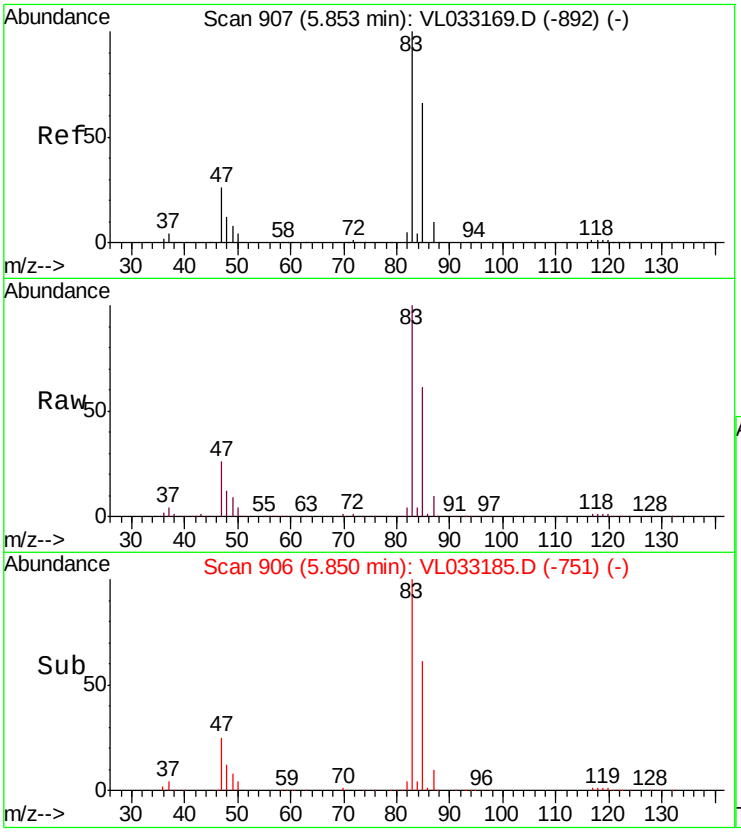




#28
Methyl tert-Butyl Ether
Concen: 9.562 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 73 Resp: 1715456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.6 | 17.9 | 26.9 |



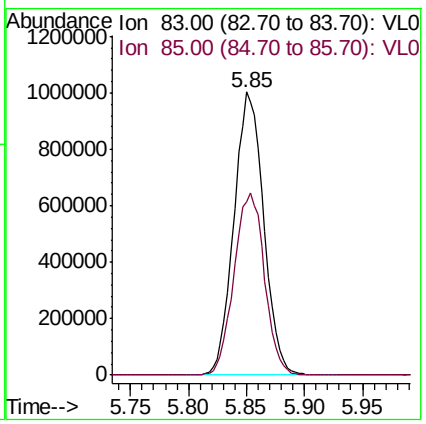


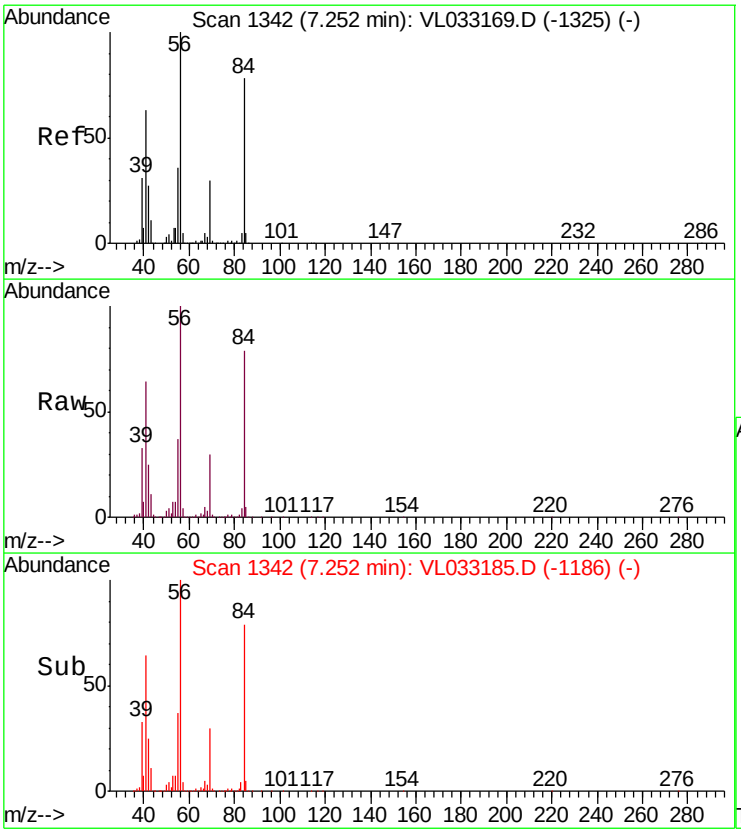

#29
Chloroform
Concen: 8.854 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 83 Resp: 1781423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 52.6 | 78.8 |

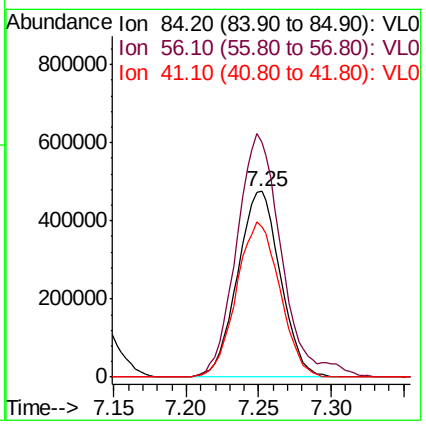


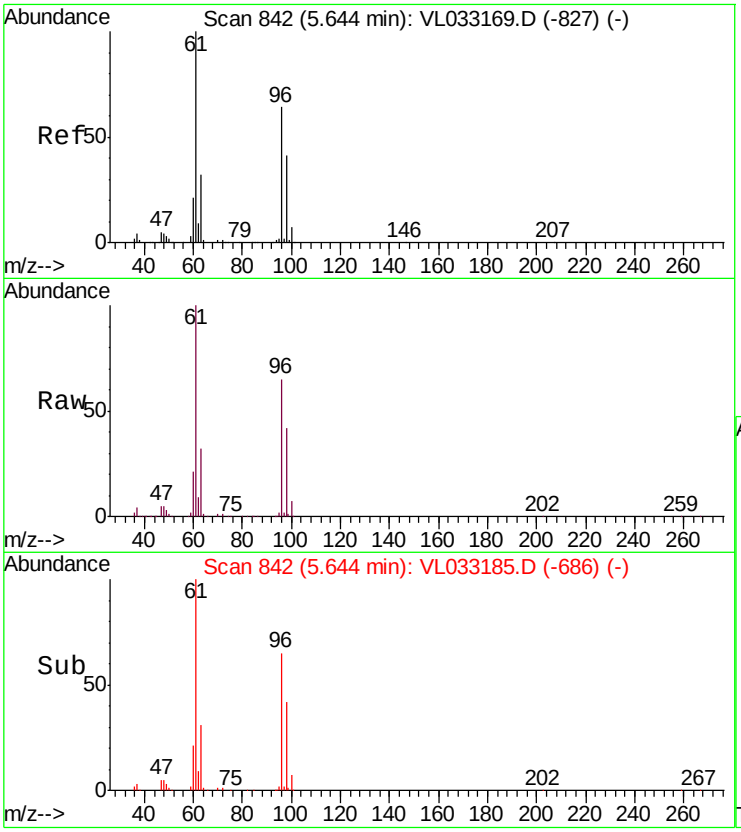




#30
Cyclohexane
Concen: 8.033 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 84 Resp: 978564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 137.7 | 109.5 | 164.3 |
| 41 | 84.5 | 66.6 | 100.0 |



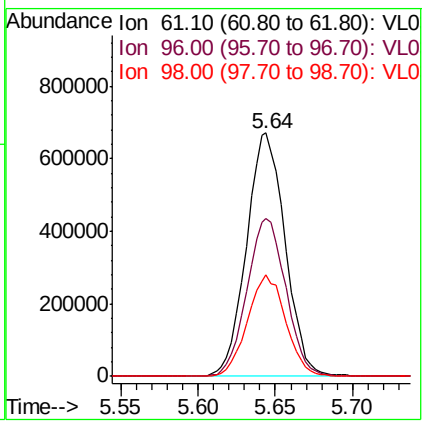


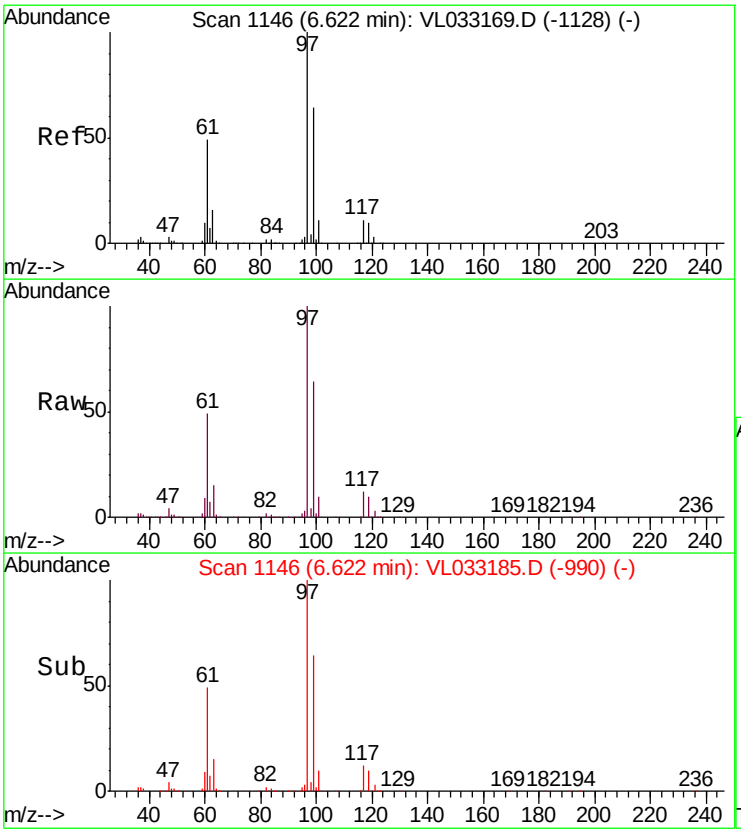

#31
cis-1,2-Dichloroethene
Concen: 8.863 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 61 Resp: 1164712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 65.1 | 51.2 | 76.8 |
| 98 | 41.7 | 32.8 | 49.2 |

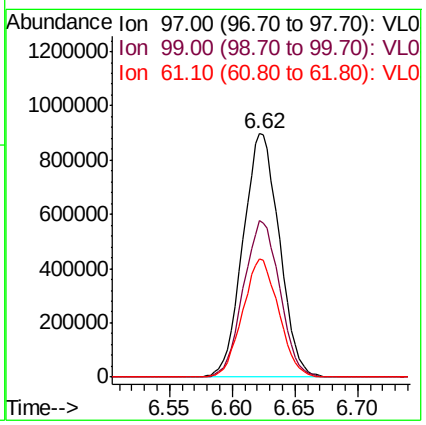


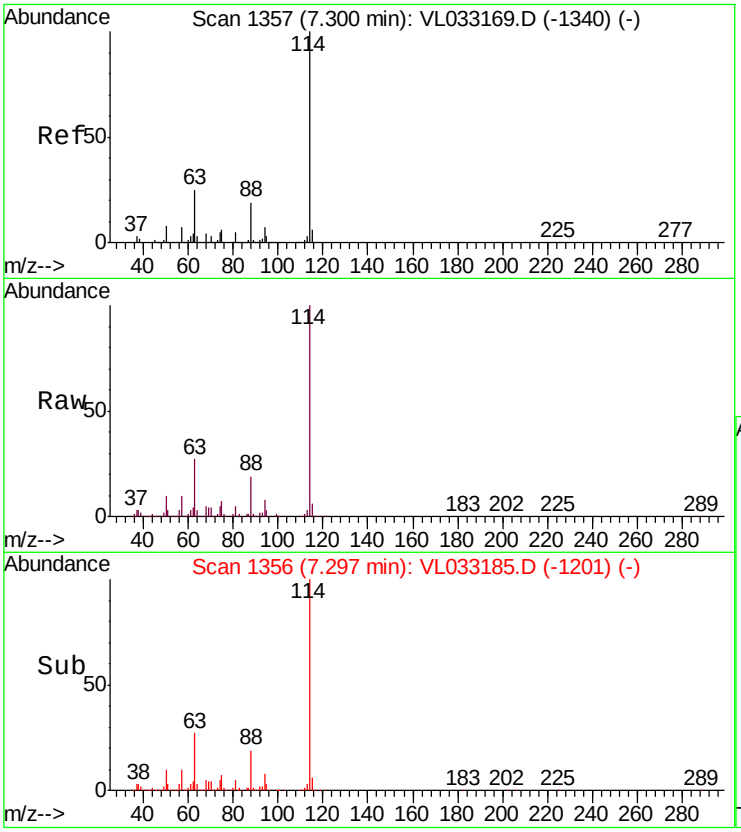




#32
1,1,1-Trichloroethane
Concen: 8.164 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 97 Resp: 1808649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.4 | 77.2 |
| 61 | 48.2 | 38.9 | 58.3 |



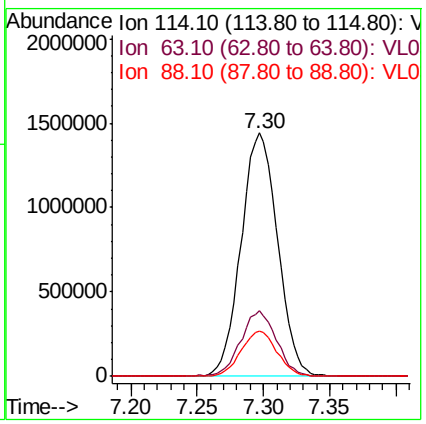


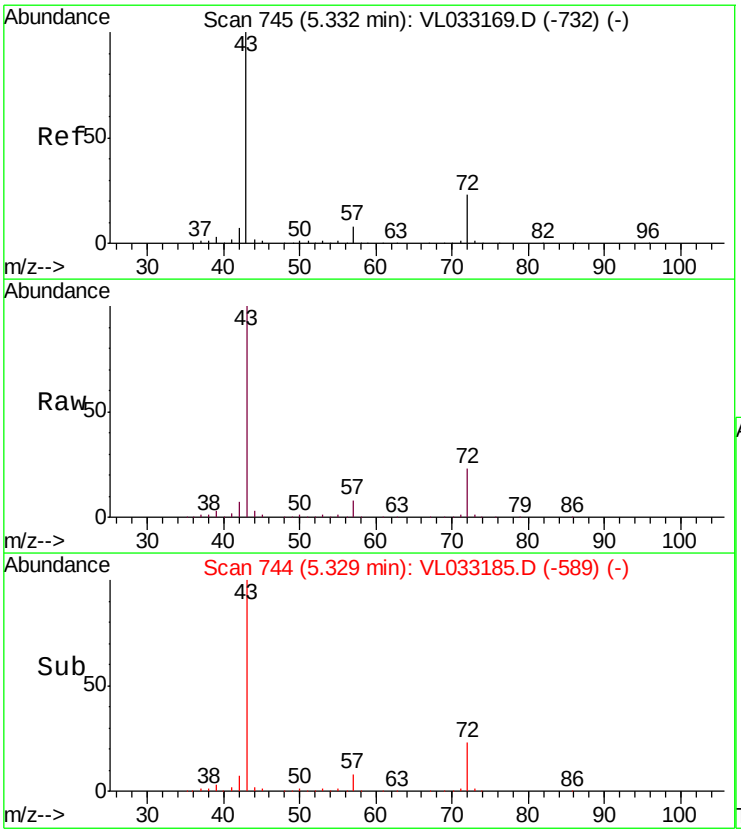

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:114 Resp: 2765384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.6 | 20.8 | 31.2 |
| 88 | 18.3 | 14.6 | 22.0 |

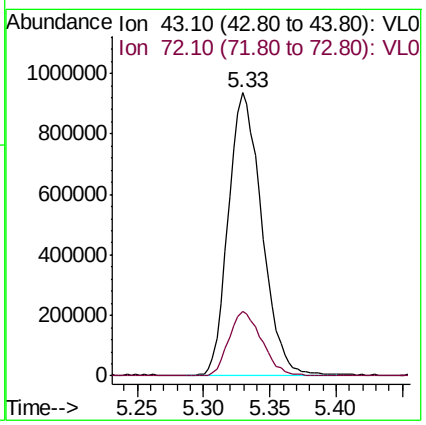


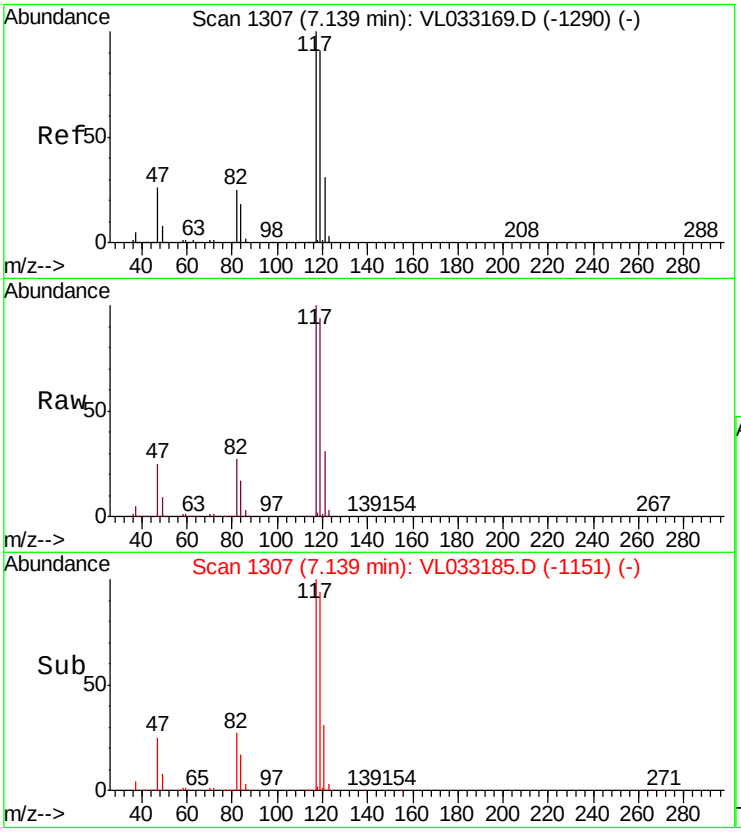




#34
2-Butanone
Concen: 9.365 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 43 Resp: 1642738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.5 | 17.8 | 26.6 |



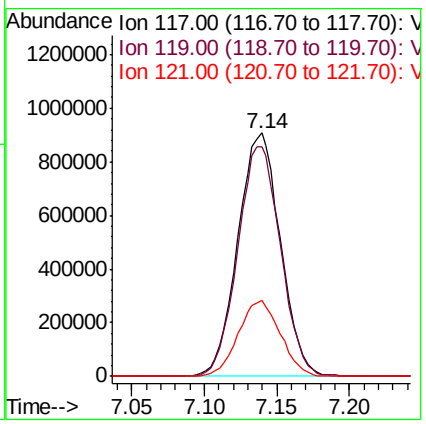


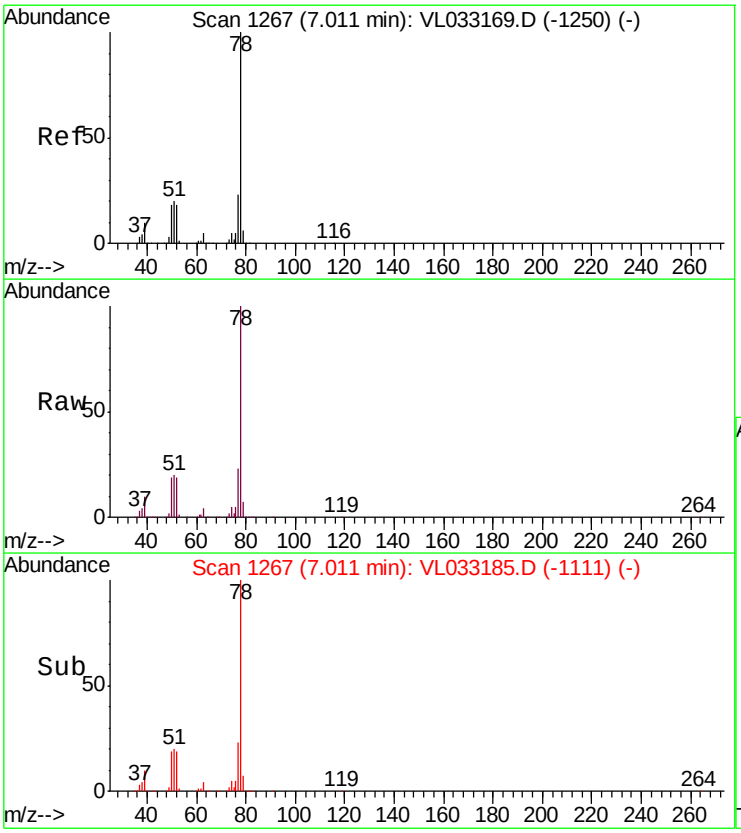

#35
Carbon Tetrachloride
Concen: 8.770 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:117 Resp: 1852159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.2 | 73.0 | 109.6 |
| 121 | 31.0 | 25.1 | 37.7 |

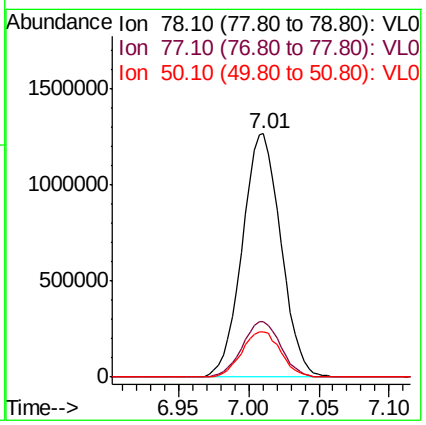


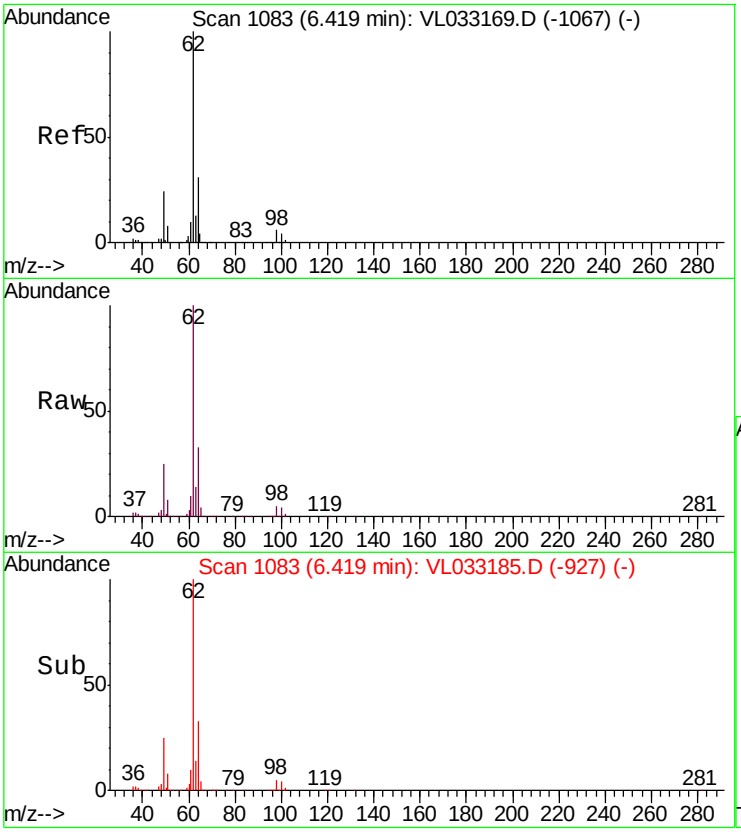




#36
Benzene
Concen: 8.682 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 78 Resp: 2433171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.9 | 18.0 | 27.0 |
| 50 | 18.6 | 14.2 | 21.2 |



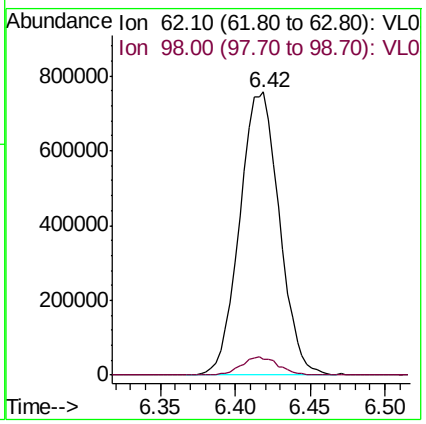


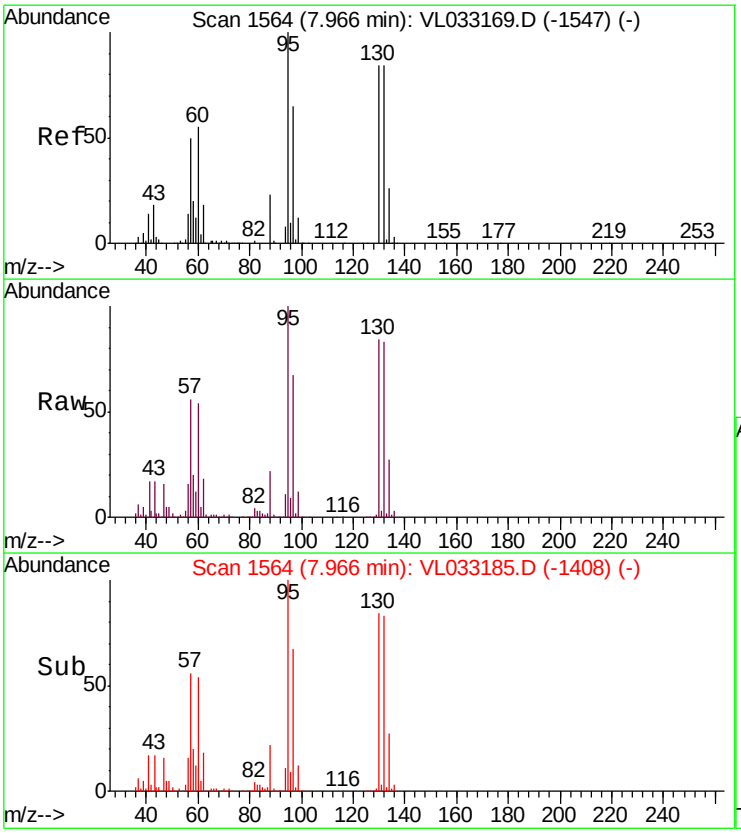

#37
1,2-Dichloroethane
Concen: 8.997 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 62 Resp: 1397409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 6.1 | 4.7 | 7.1 |

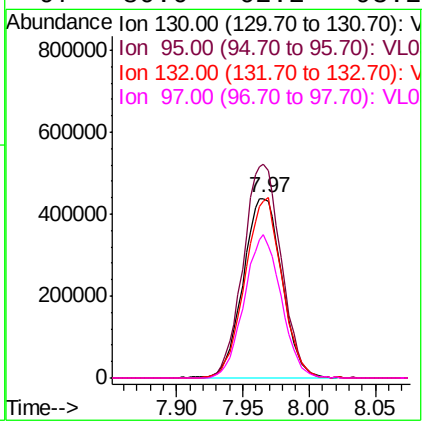


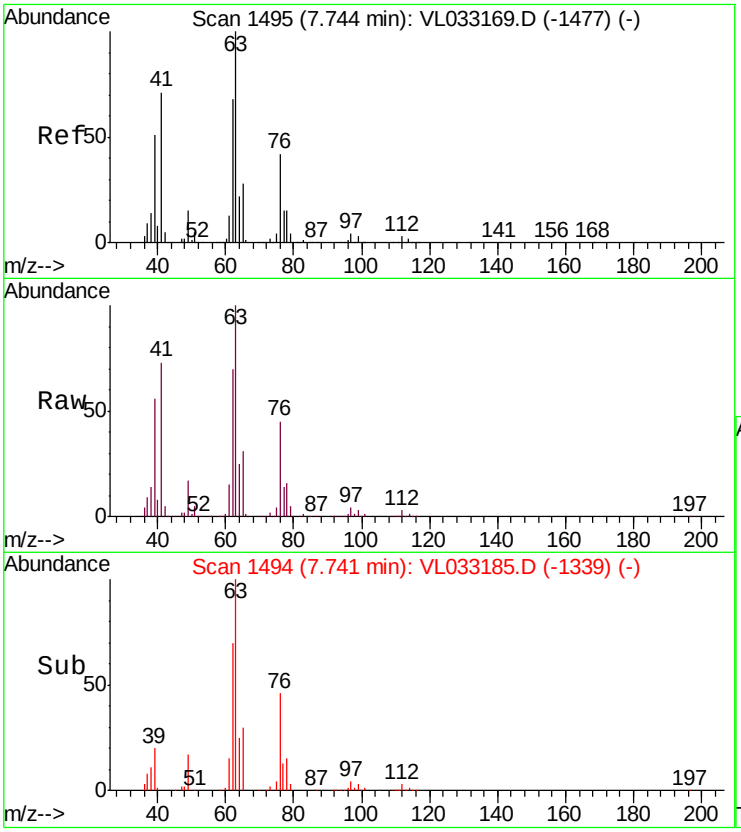




#38
Trichloroethene
Concen: 7.389 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:130 Resp: 886862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 119.0 | 95.5 | 143.3 |
| 132 | 98.5 | 80.0 | 120.0 |
| 97 | 80.0 | 62.2 | 93.2 |



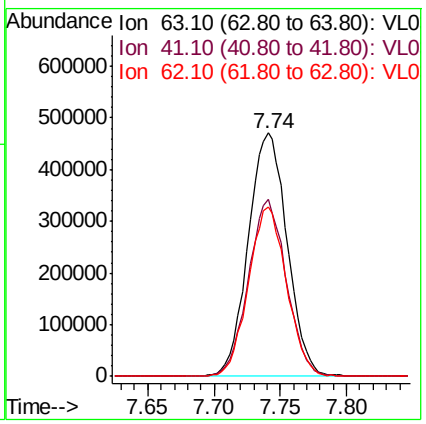


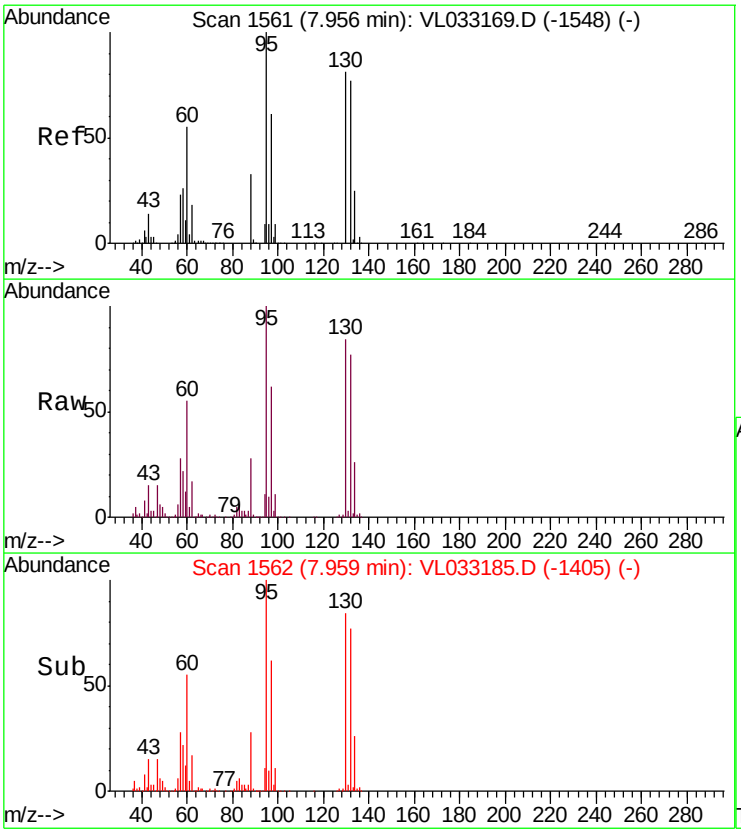

#39
1,2-Dichloropropane
Concen: 8.646 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 63 Resp: 956975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 72.6 | 56.4 | 84.6 |
| 62 | 69.8 | 54.2 | 81.4 |

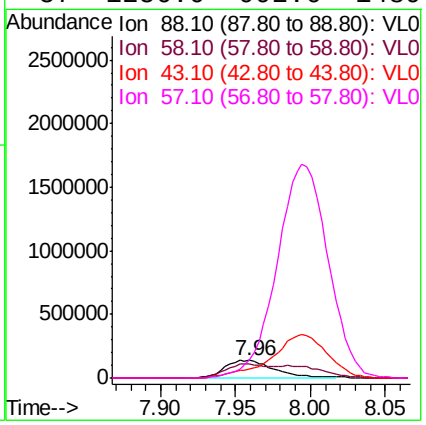


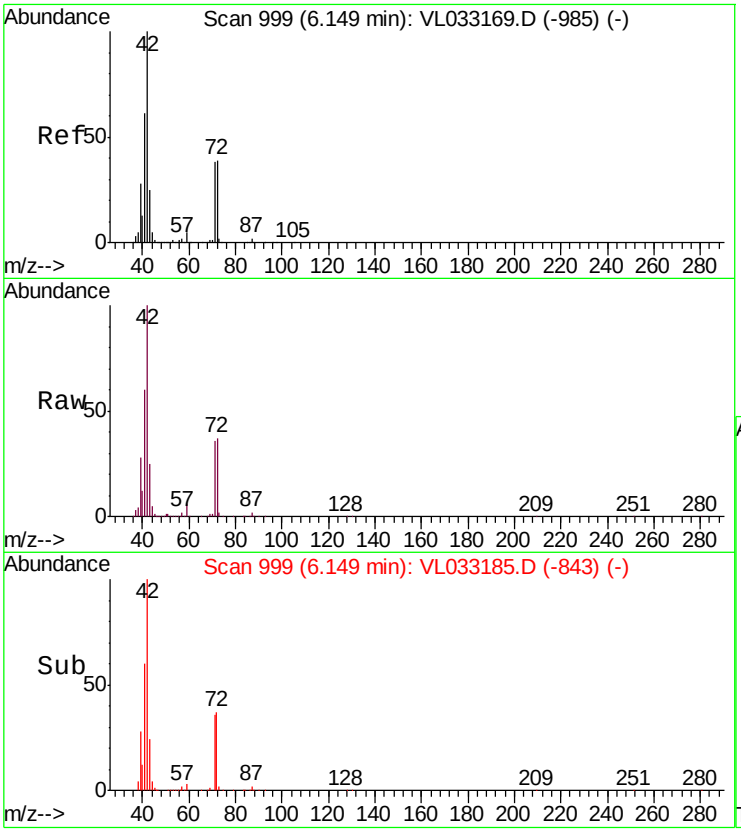




#40
1,4-Dioxane
Concen: 7.890 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 88 Resp: 317402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 135.6 | 106.6 | 160.0 |
| 43 | 278.3 | 220.2 | 330.2 |
| 57 | 1256.0 | 992.6 | 1489.0 |



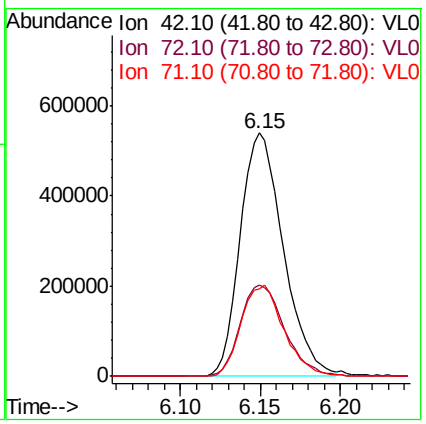


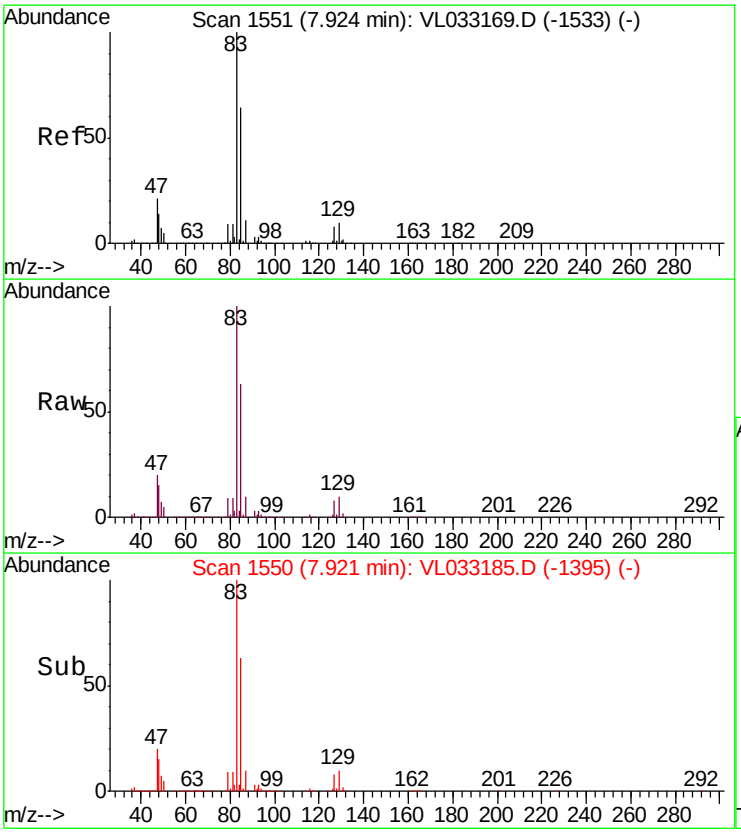

#41
Tetrahydrofuran
Concen: 9.147 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 42 Resp: 993099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.9 | 31.6 | 47.4 |
| 71 | 37.5 | 30.3 | 45.5 |

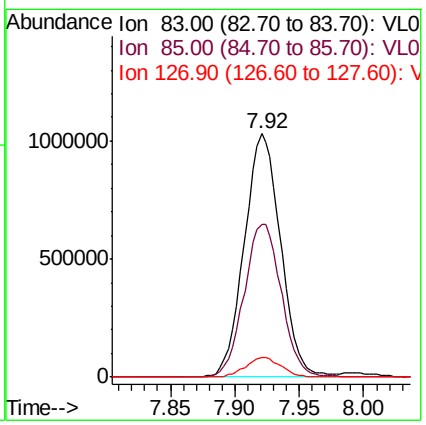


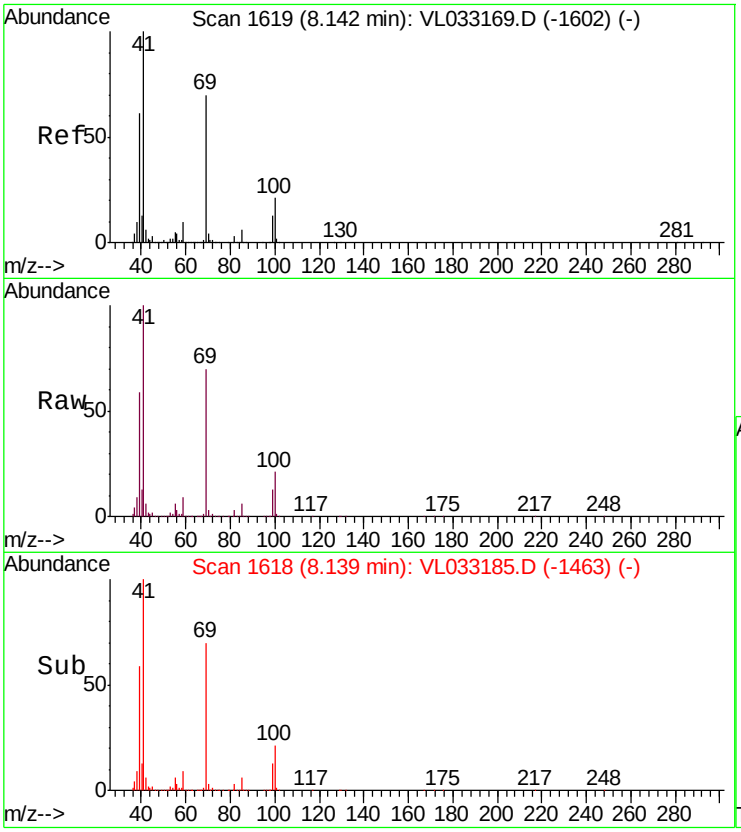




#42
Bromodichloromethane
Concen: 9.007 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 83 Resp: 2027248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.9 | 51.1 | 76.7 |
| 127 | 7.9 | 6.4 | 9.6 |



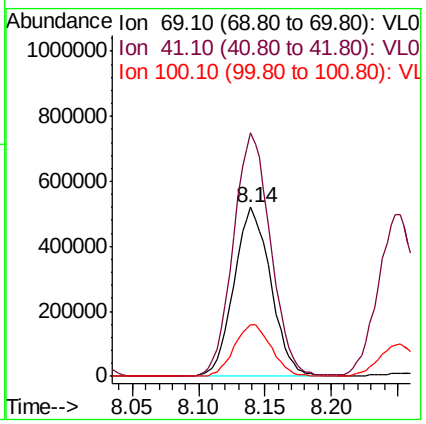


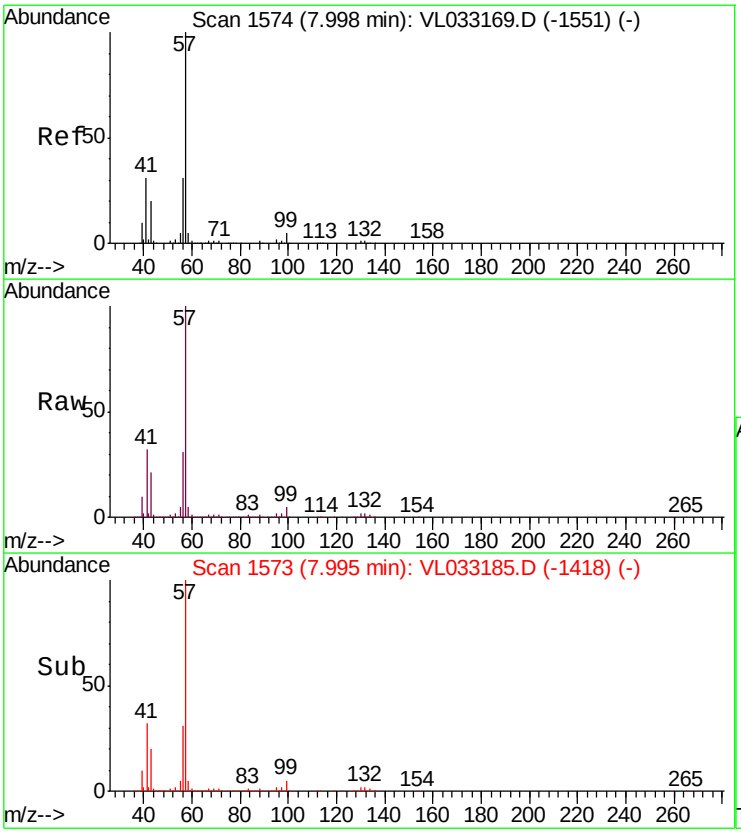

#43
Methyl Methacrylate
Concen: 8.912 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 69 Resp: 1002728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 145.7 | 117.1 | 175.7 |
| 100 | 30.9 | 25.0 | 37.6 |

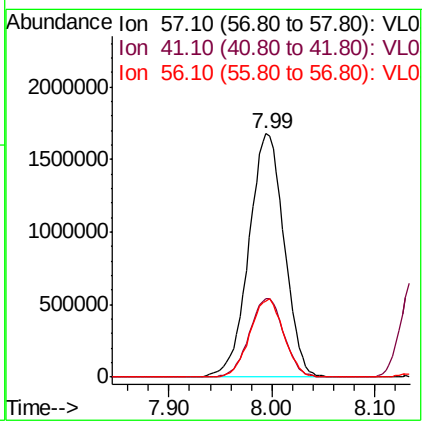


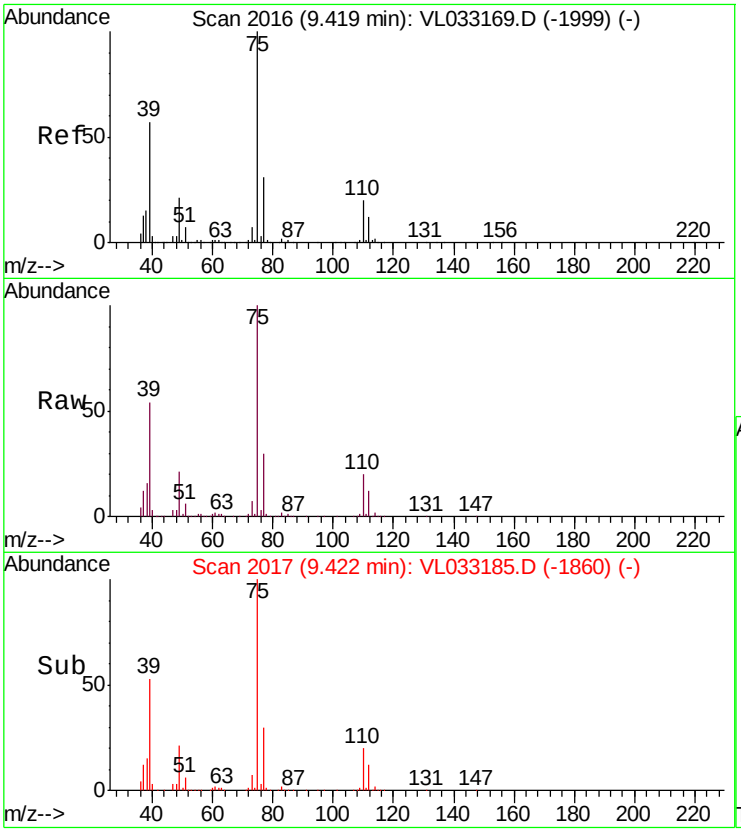




#44
2,2,4-Trimethylpentane
Concen: 8.381 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 57 Resp: 3980316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 31.7 | 25.1 | 37.7 |
| 56 | 30.9 | 24.5 | 36.7 |



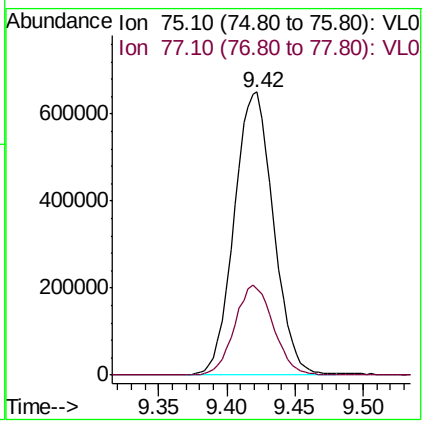


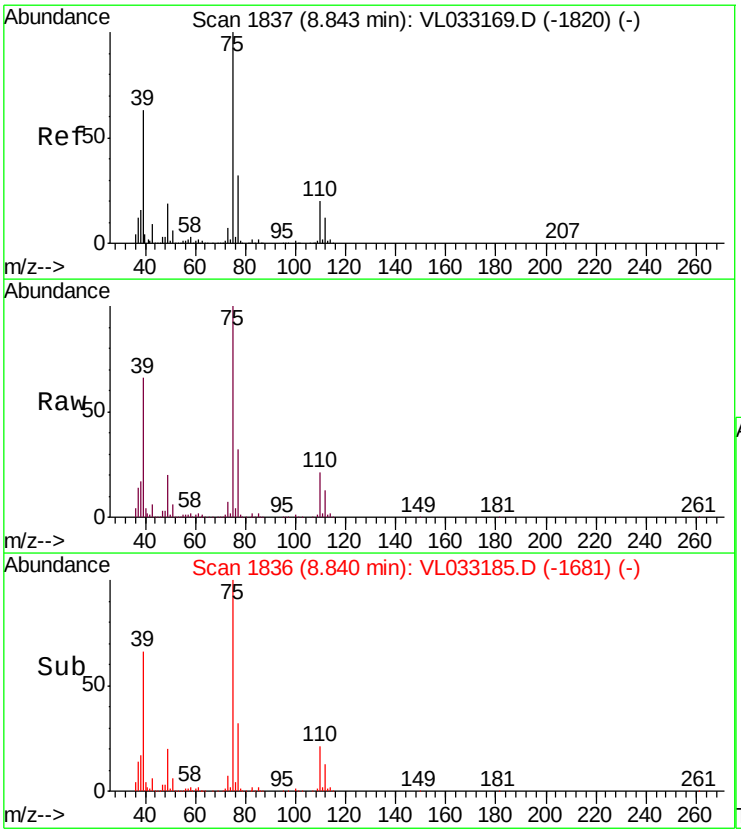

#45
t-1,3-Dichloropropene
Concen: 10.376 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 75 Resp: 1297049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 25.0 | 37.4 |

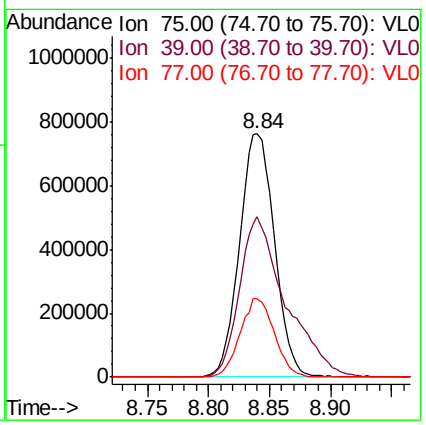


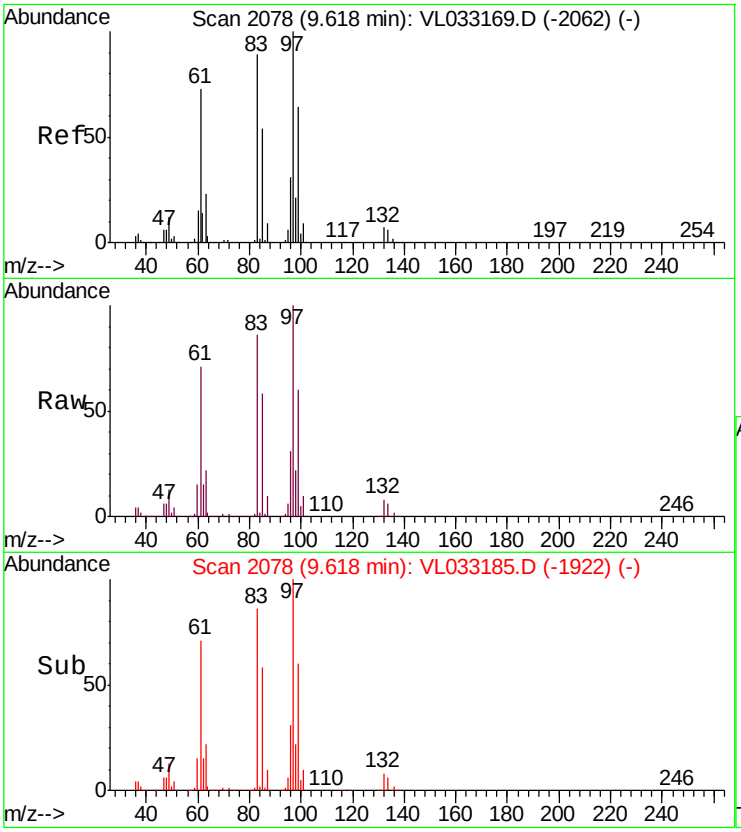




#46
cis-1,3-Dichloropropene
Concen: 9.477 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 75 Resp: 1508914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 65.8 | 50.1 | 75.1 |
| 77 | 32.4 | 25.4 | 38.2 |



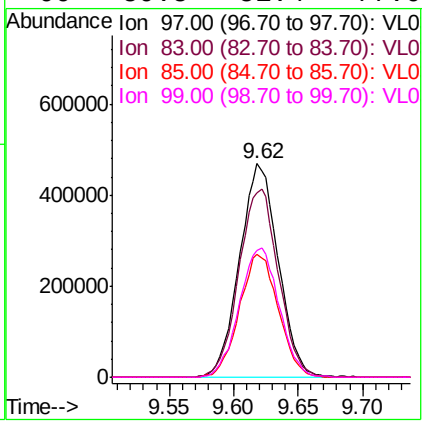


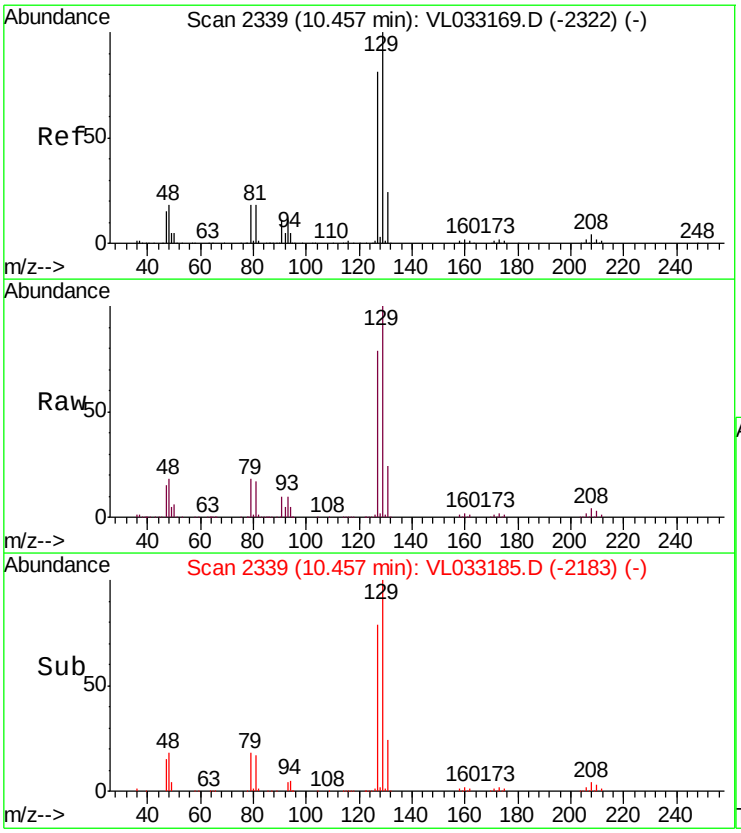

#47
1,1,2-Trichloroethane
Concen: 8.526 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 97 Resp: 979309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.3 | 71.4 | 107.2 |
| 85 | 57.5 | 43.5 | 65.3 |
| 99 | 59.5 | 51.4 | 77.0 |

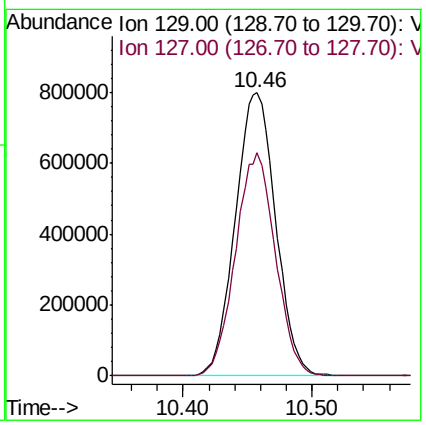


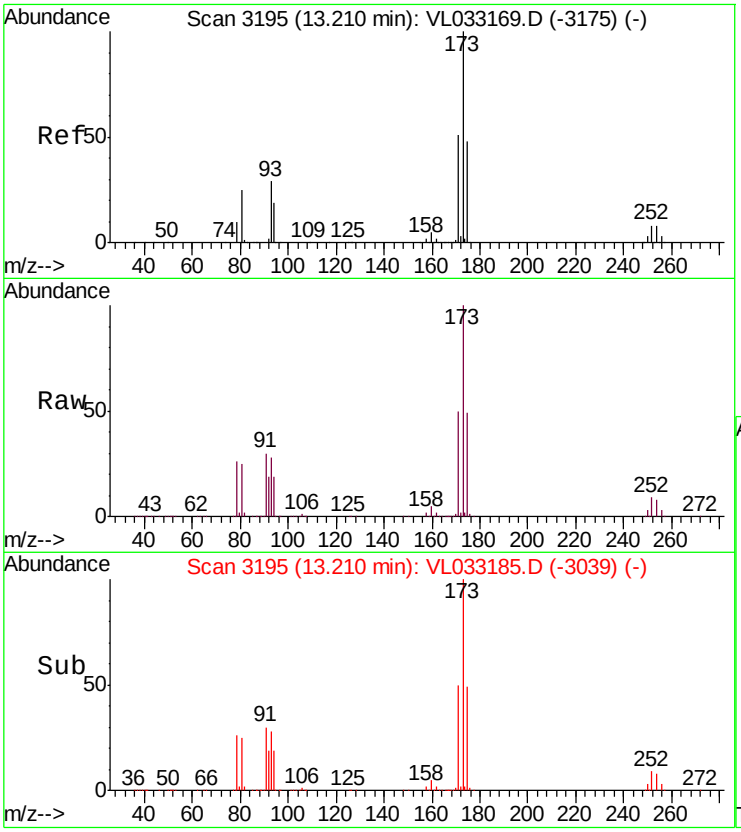




#48
Dibromochloromethane
Concen: 9.628 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:129 Resp: 1741147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 39.1 | 117.3 |



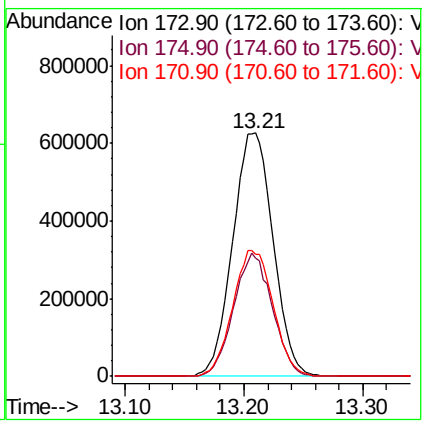


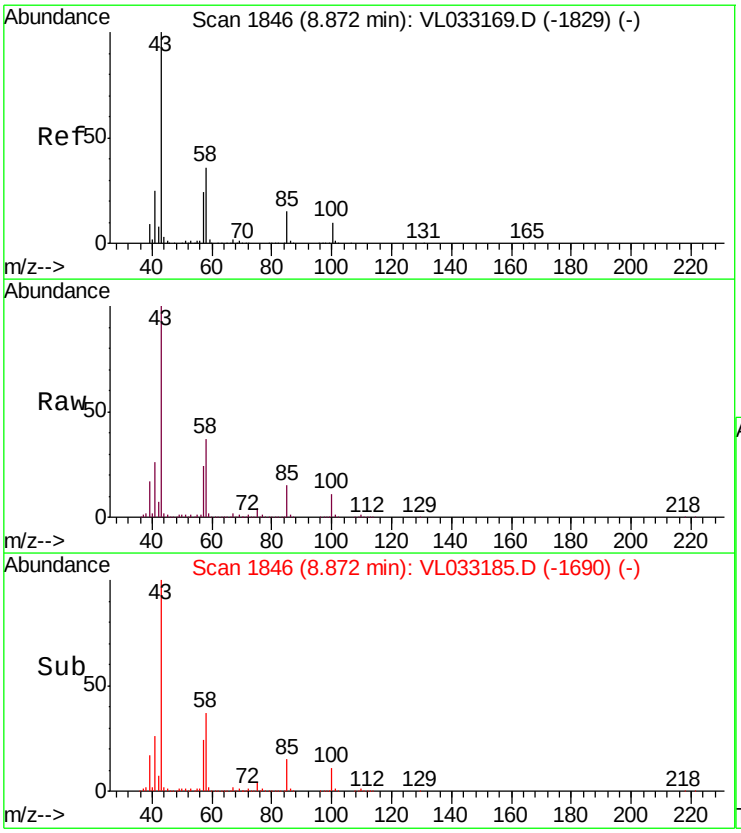

#49
Bromoform
Concen: 9.480 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:173 Resp: 1474877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.4 | 38.6 | 58.0 |
| 171 | 51.7 | 41.6 | 62.4 |

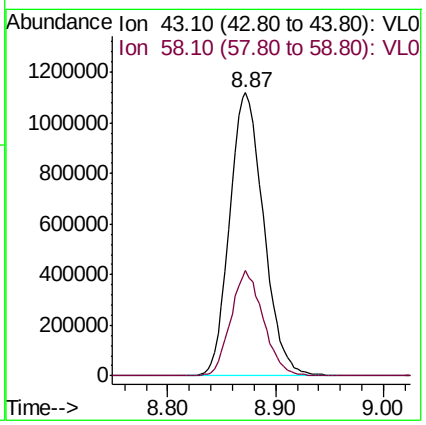


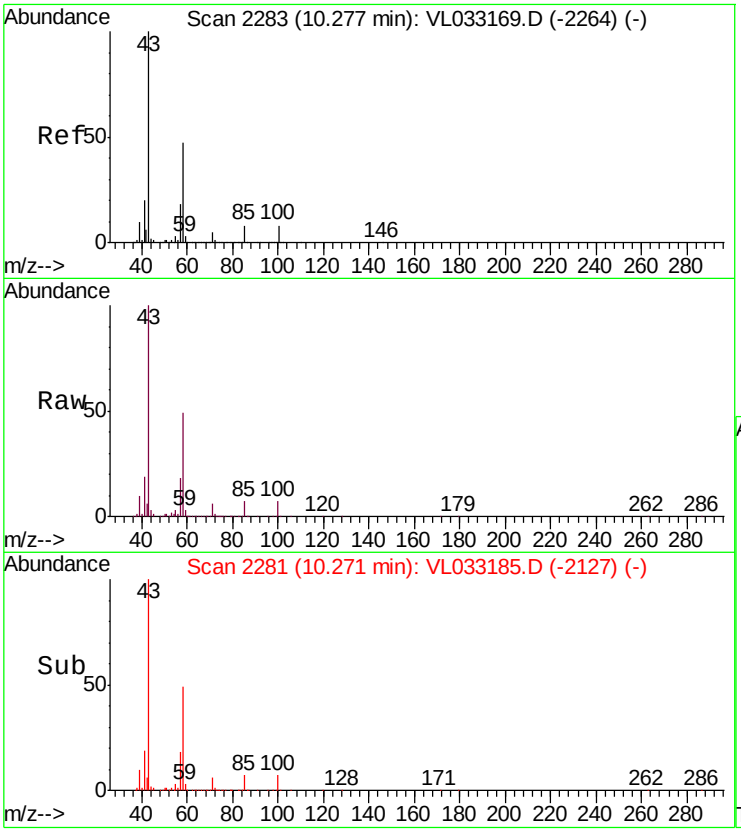




#50
4-Methyl-2-Pentanone
Concen: 8.732 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 43 Resp: 2456035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.6 | 29.0 | 43.6 |



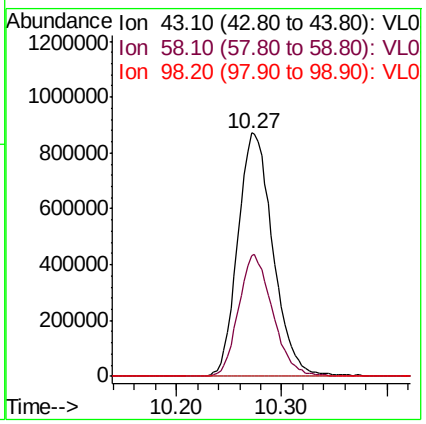


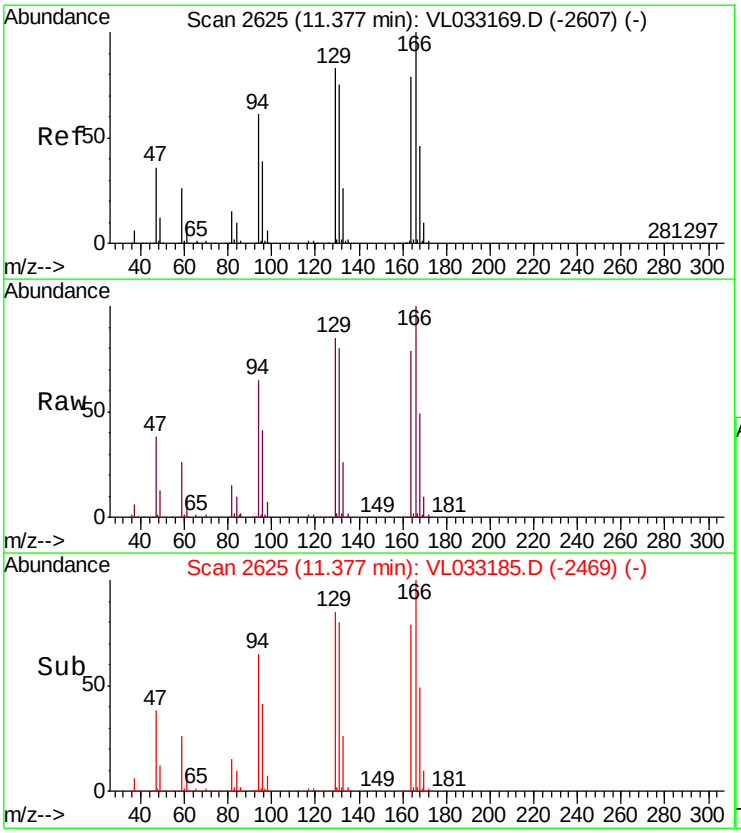

#51
2-Hexanone
Concen: 9.107 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 43 Resp: 2019678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.7 | 39.1 | 58.7 |
| 98 | 0.2 | 0.2 | 0.2 |

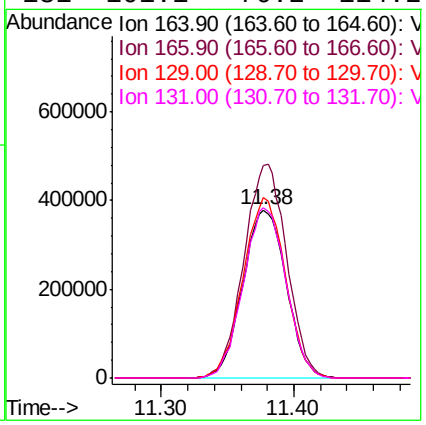


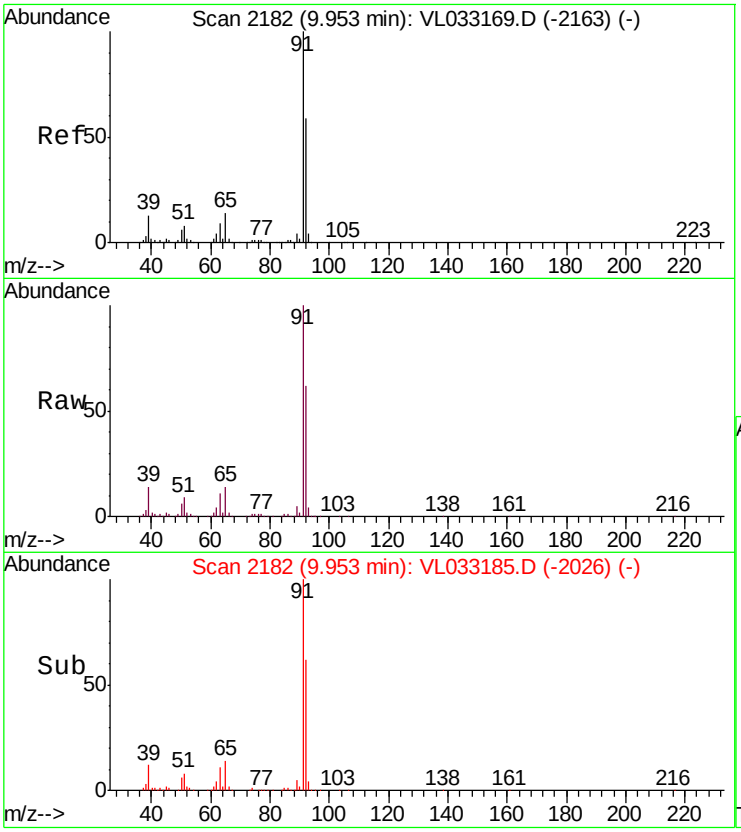




#52
Tetrachloroethene
Concen: 8.003 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:164 Resp: 861681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.7 | 100.9 | 151.3 |
| 129 | 107.1 | 83.9 | 125.9 |
| 131 | 101.1 | 76.2 | 114.2 |



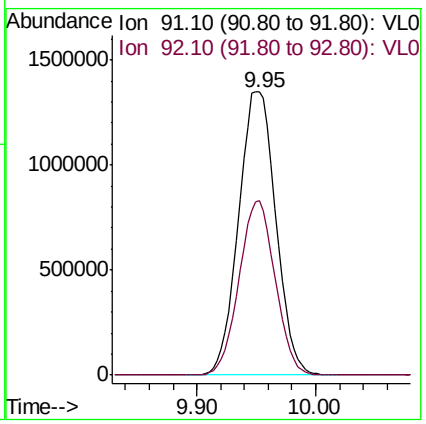


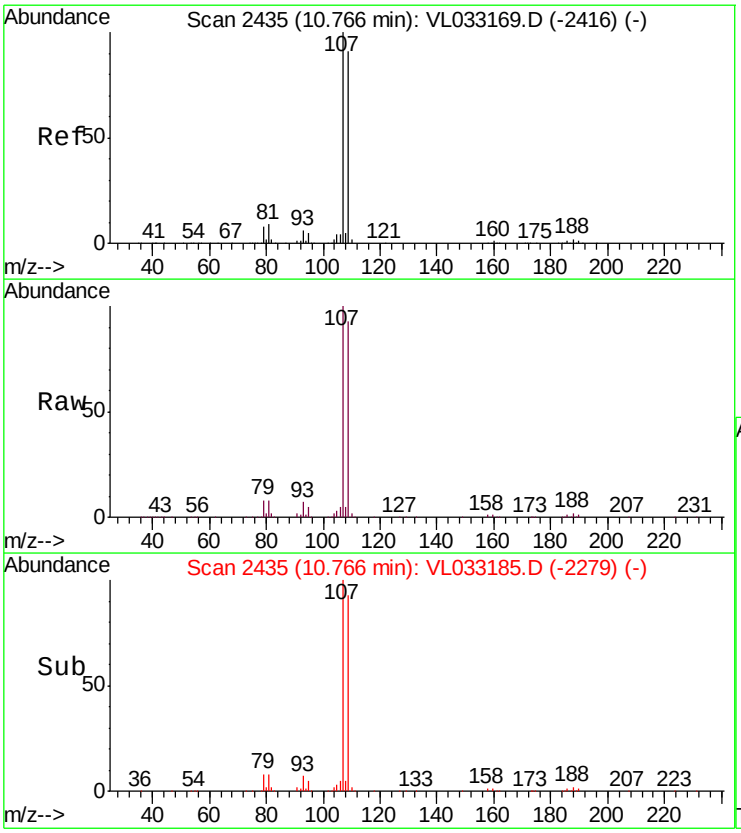

#53
Toluene
Concen: 8.818 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion: 91 Resp: 2926551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.5 | 48.0 | 72.0 |

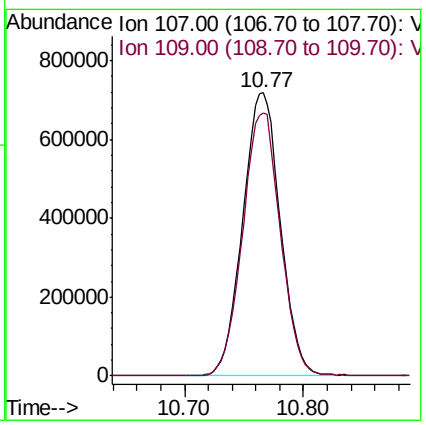


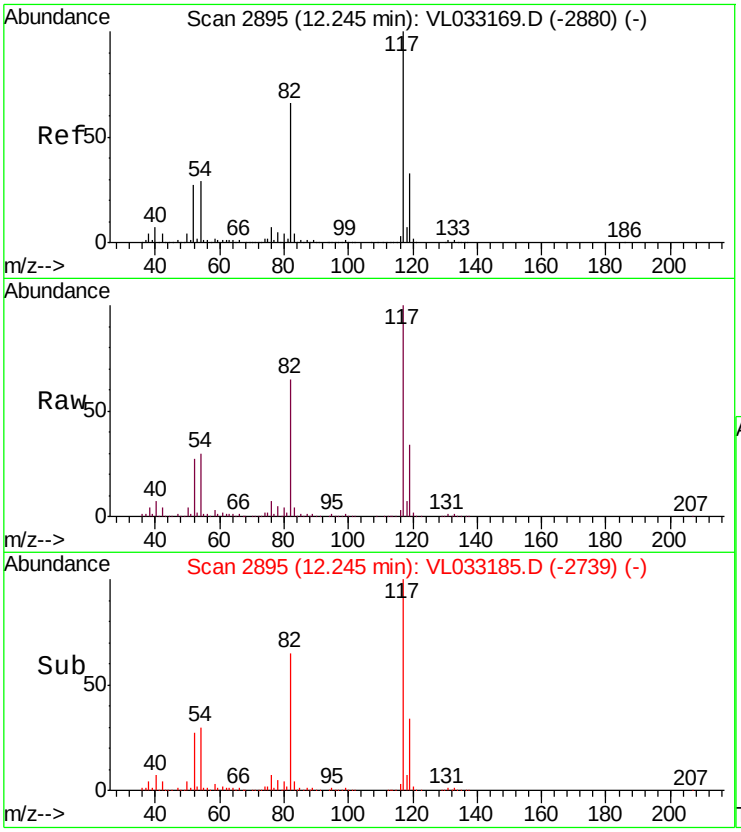




#54
1,2-Dibromoethane
Concen: 8.709 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:107 Resp: 1568688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 73.2 | 109.8 |



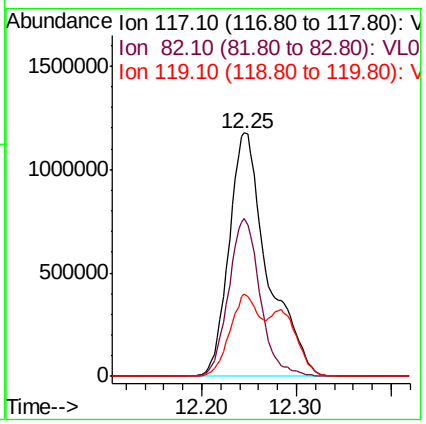


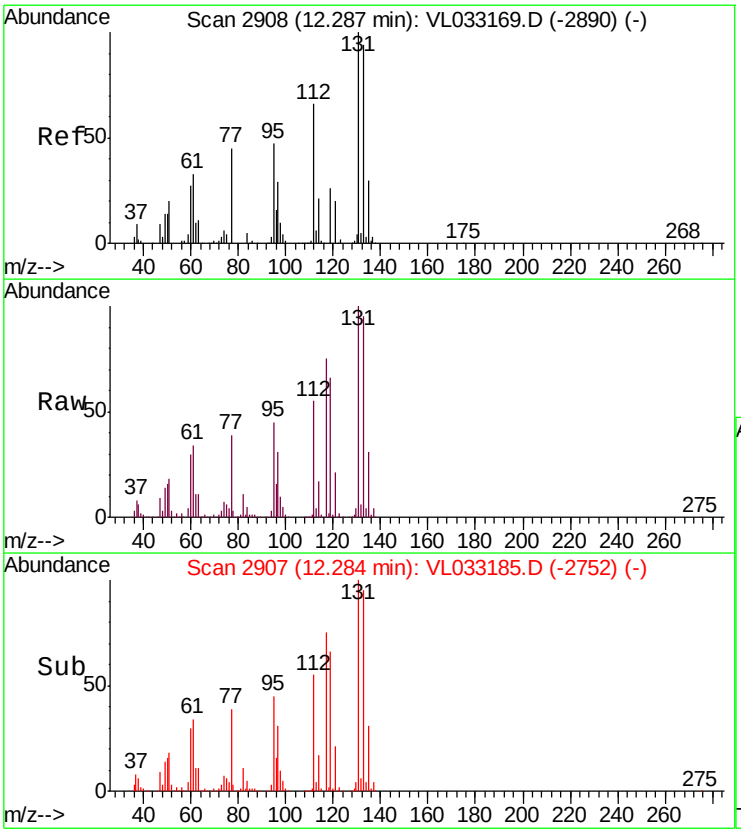

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion:117 Resp: 3340676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.8 | 49.5 | 74.3 |
| 119 | 46.2 | 24.4 | 36.6# |

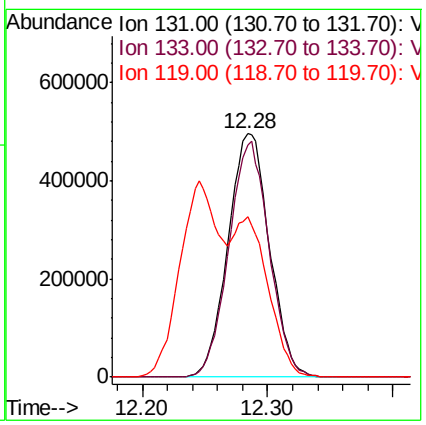


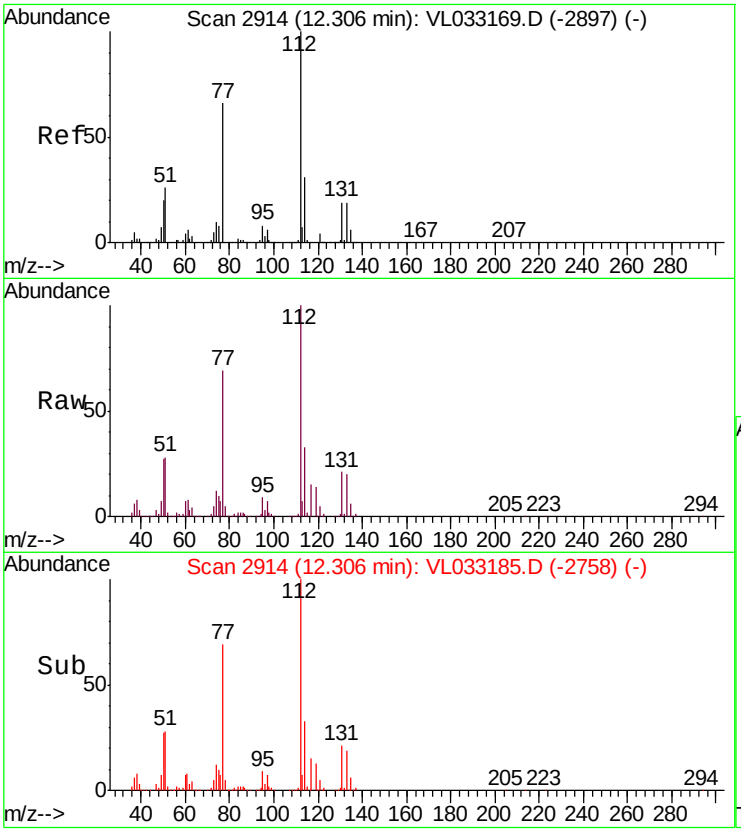




#56
1,1,1,2-Tetrachloroethane
Concen: 7.408 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:131 Resp: 1135888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.4 | 75.8 | 113.6 |
| 119 | 135.9 | 110.9 | 166.3 |



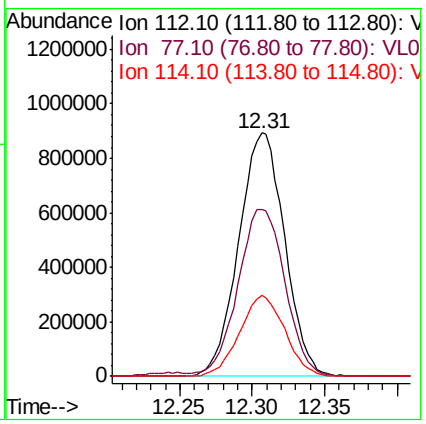


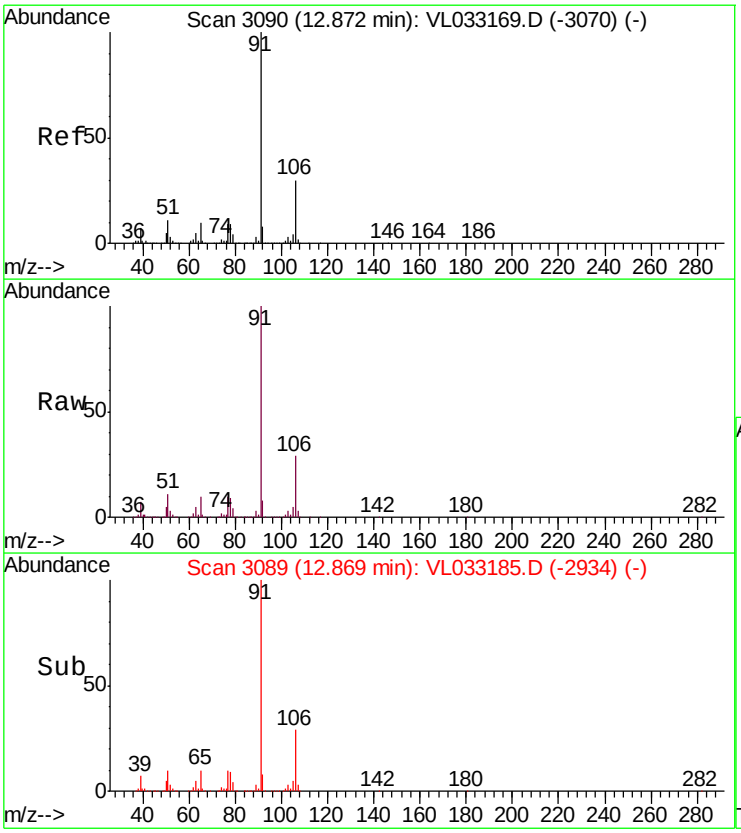

#57
Chlorobenzene
Concen: 6.726 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion:112 Resp: 1961623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 68.5 | 54.0 | 81.0 |
| 114 | 33.4 | 27.9 | 34.1 |

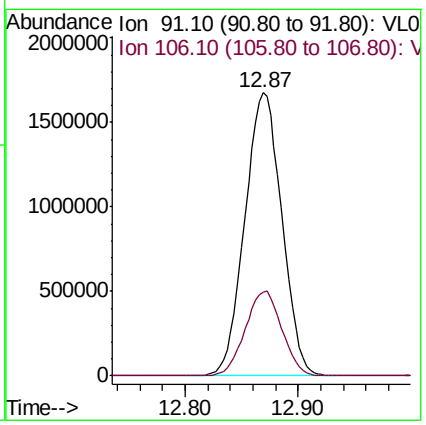


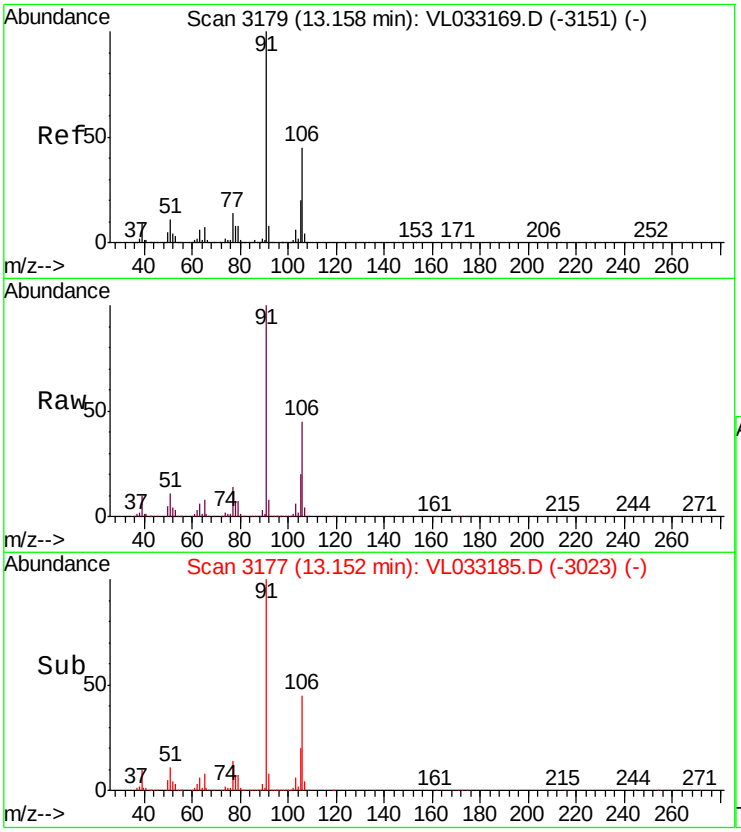




#58
Ethyl Benzene
Concen: 7.040 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 91 Resp: 3806200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 23.8 | 35.8 |



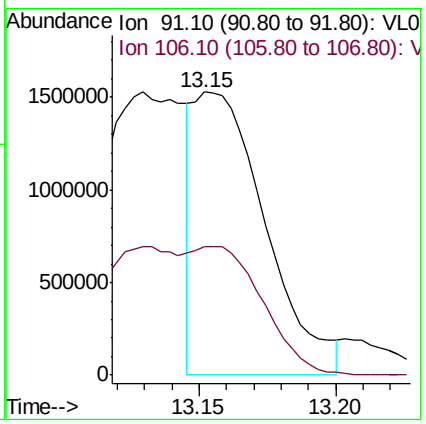


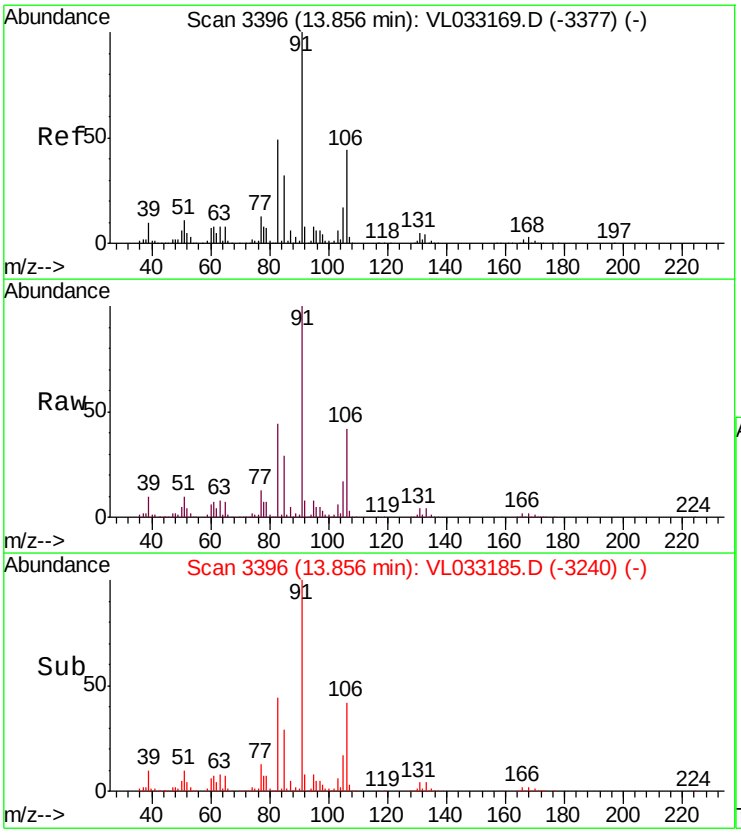

#59
m/p-Xylene
Concen: 6.132 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 91 Resp: 2767033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 0.0 | 0.0 | 0.0 |

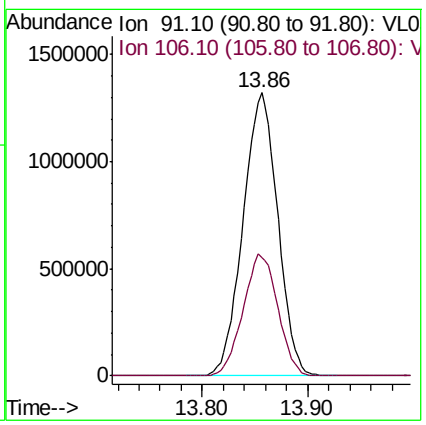


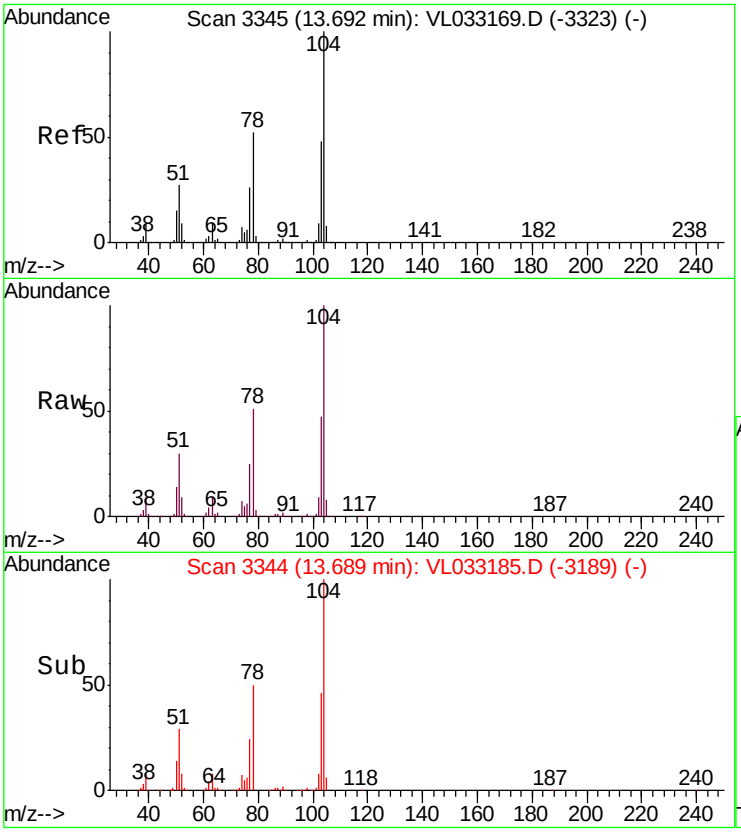




#60
o-Xylene
Concen: 6.897 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 91 Resp: 3026167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 43.1 | 21.8 | 65.3 |



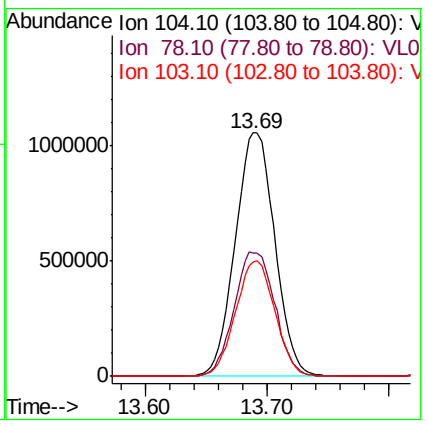


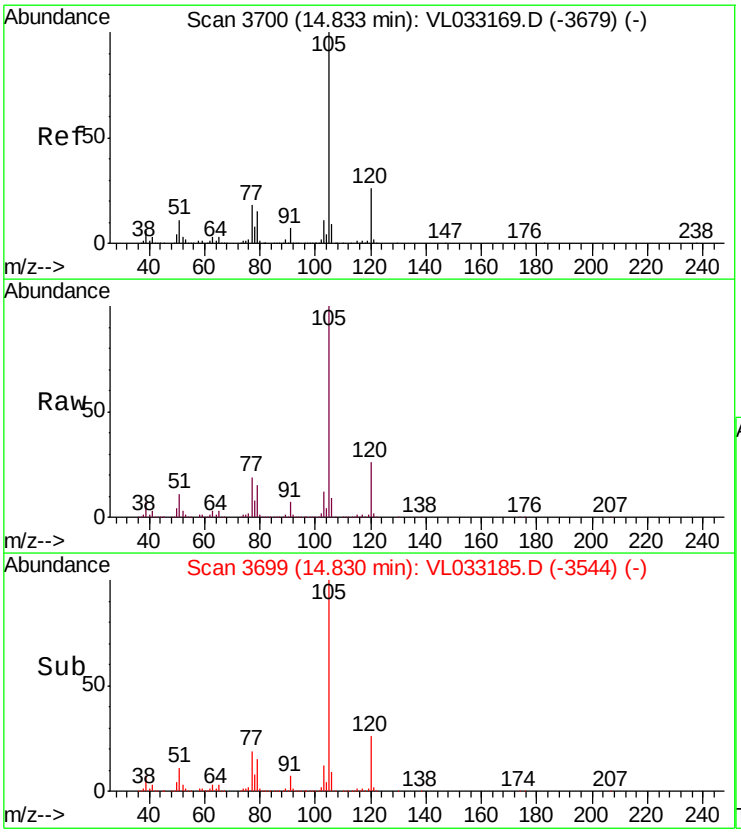

#61
Styrene
Concen: 7.144 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:104 Resp: 2364425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.6 | 41.9 | 62.9 |
| 103 | 47.2 | 37.9 | 56.9 |

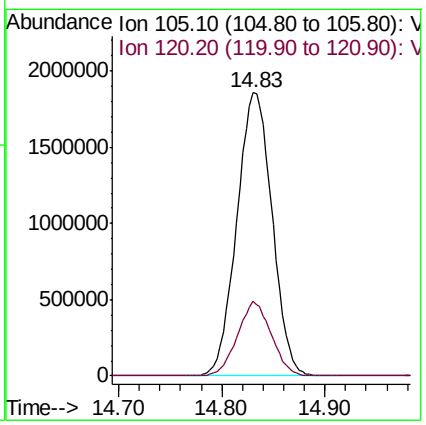


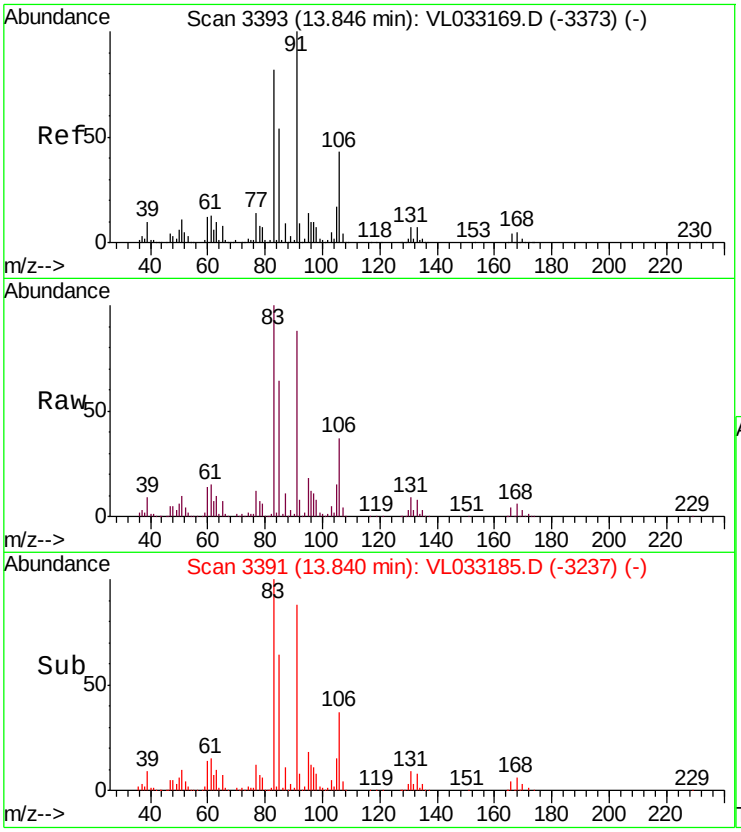




#62
Isopropylbenzene
Concen: 7.131 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:105 Resp: 4413595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.2 | 20.3 | 30.5 |



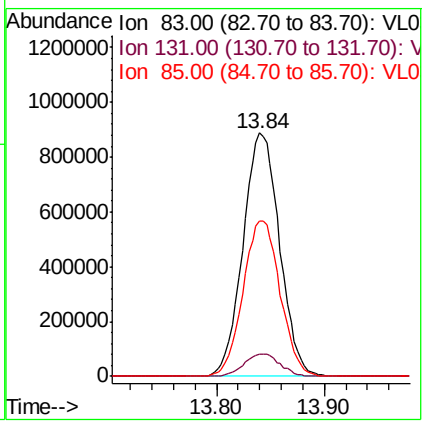


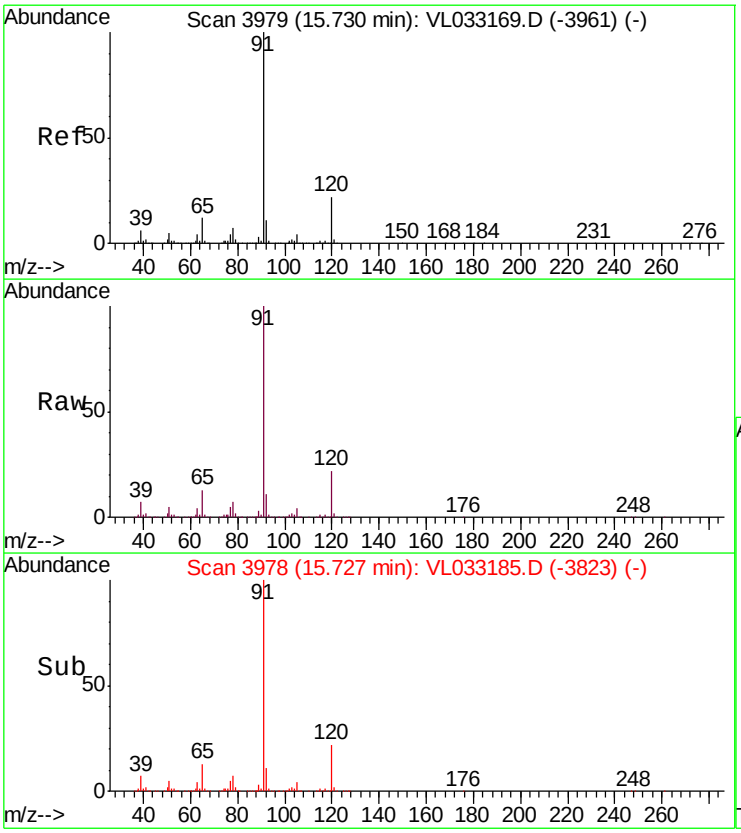

#63
1,1,2,2-Tetrachloroethane
Concen: 6.061 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 83 Resp: 2089198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.2 | 4.8 | 14.3 |
| 85 | 65.0 | 32.8 | 98.3 |

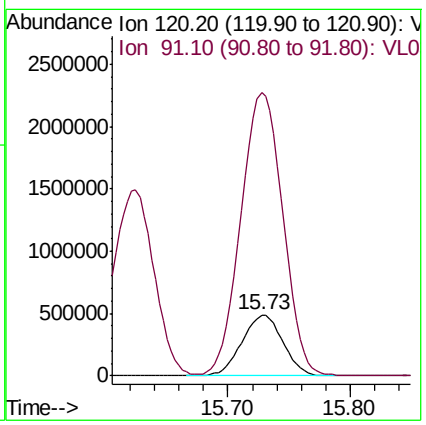


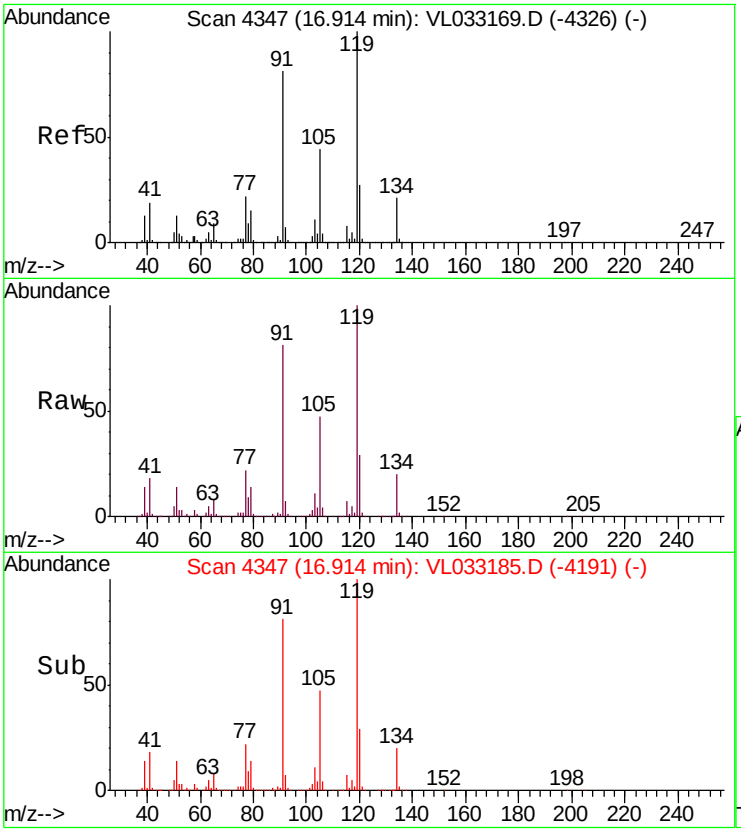




#64
n-propylbenzene
Concen: 7.194 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:120 Resp: 1131628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 480.5 | 383.9 | 575.9 |



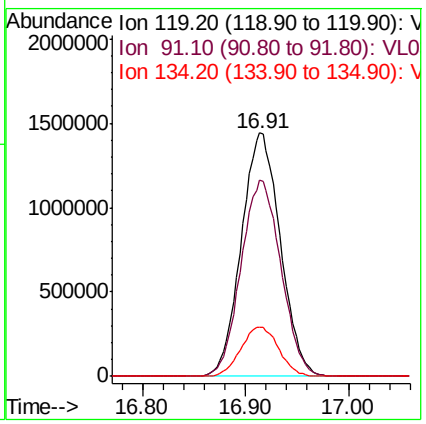


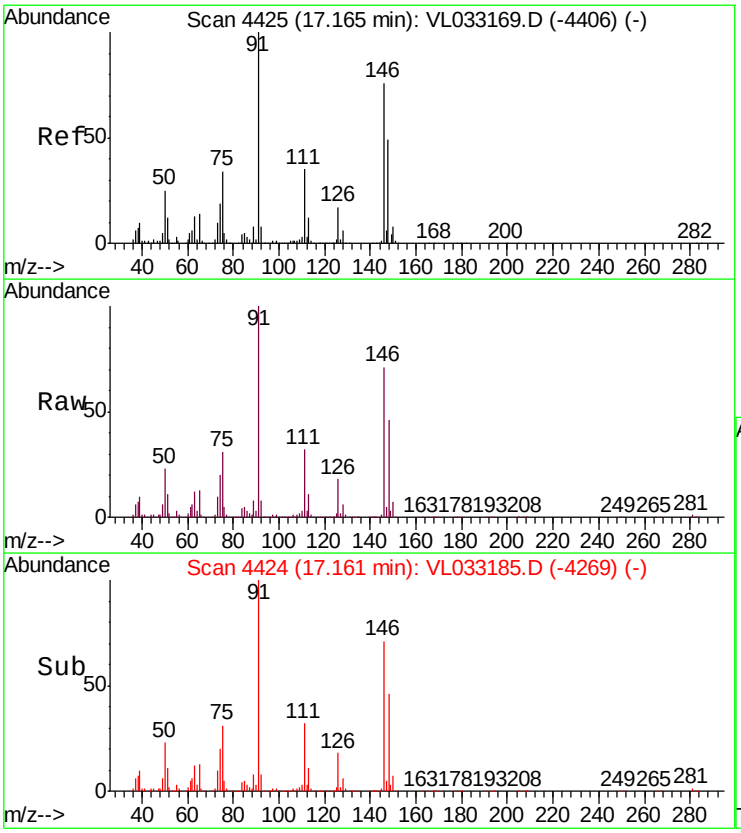

#65
tert-Butylbenzene
Concen: 7.027 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:119 Resp: 3787342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 82.6 | 65.7 | 98.5 |
| 134 | 19.7 | 15.8 | 23.6 |

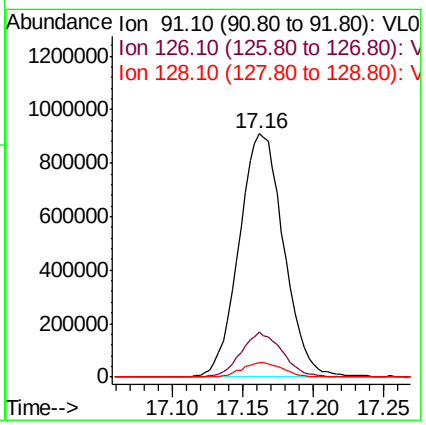


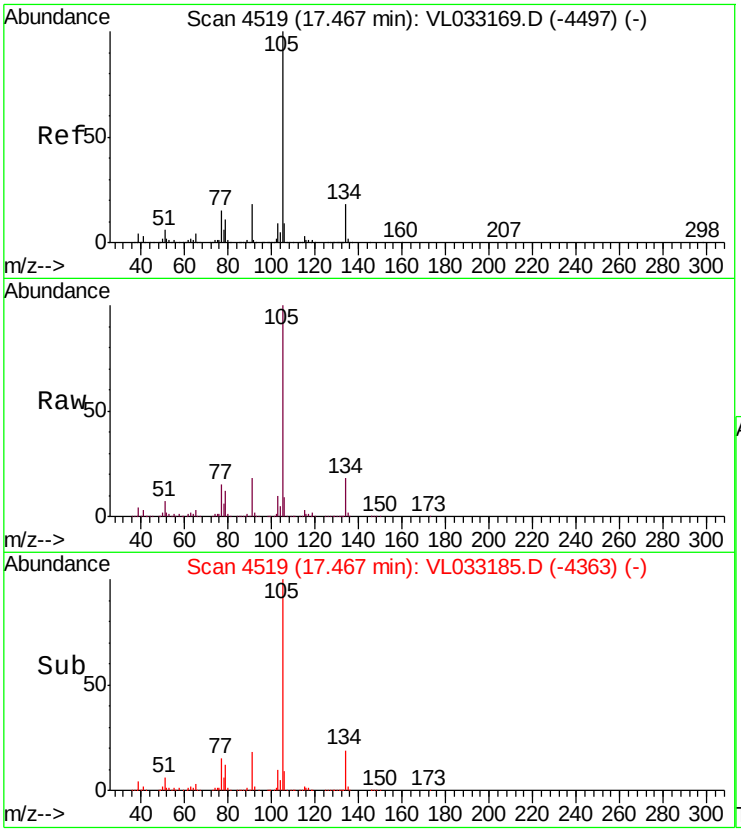




#66
Benzyl Chloride
Concen: 10.497 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 91 Resp: 2008550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 17.3 | 13.8 | 20.6 |
| 128 | 5.5 | 4.5 | 6.7 |



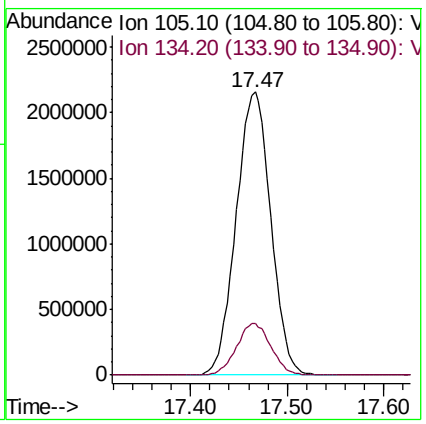


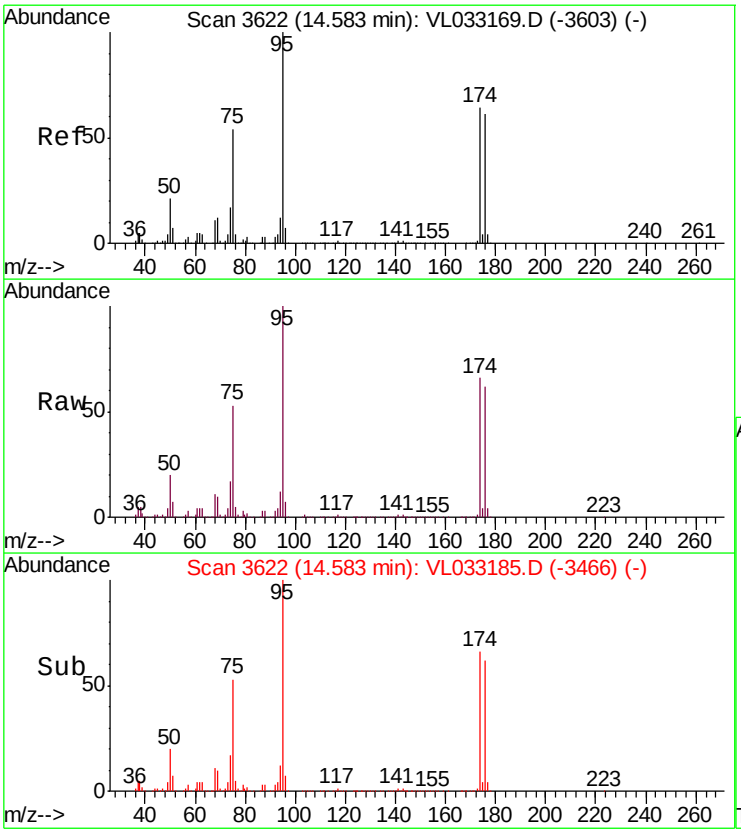

#67
sec-Butylbenzene
Concen: 6.862 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:105 Resp: 5369143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.1 | 14.6 | 22.0 |

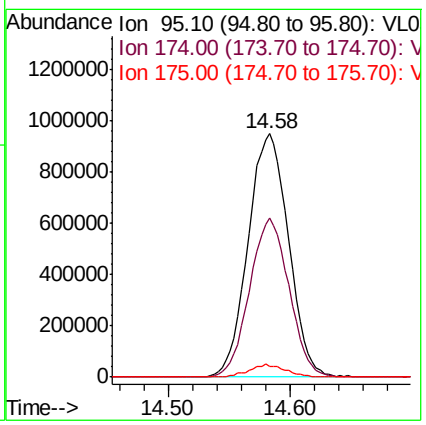


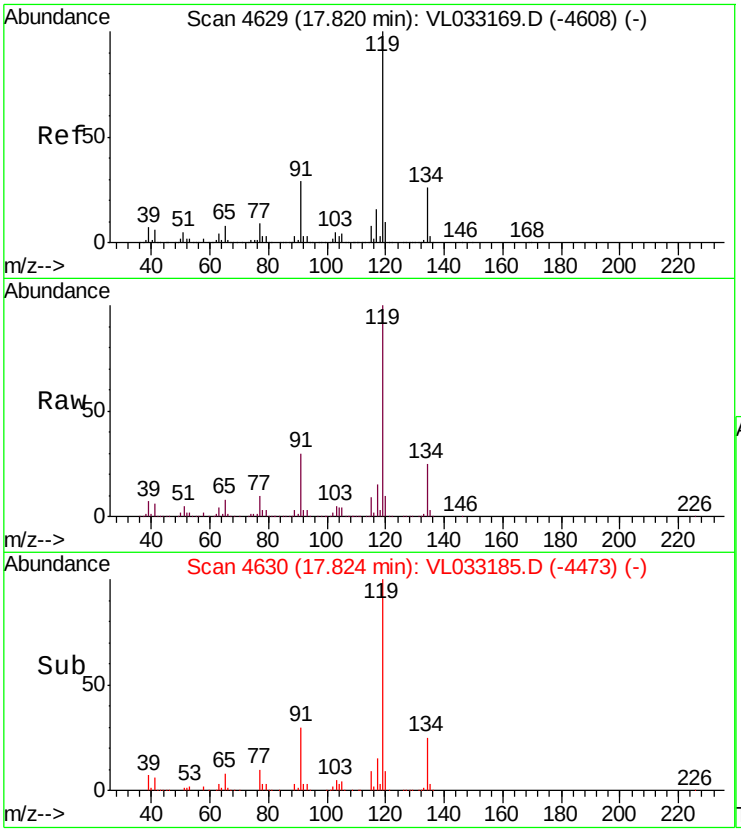




#68
1-Bromo-4-Fluorobenzene
Concen: 8.434 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 95 Resp: 2169881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.0 | 51.2 | 76.8 |
| 175 | 4.7 | 3.8 | 5.6 |



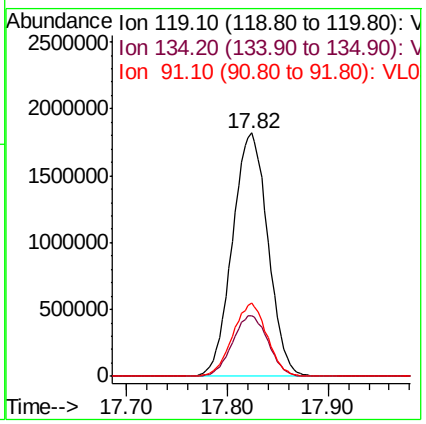


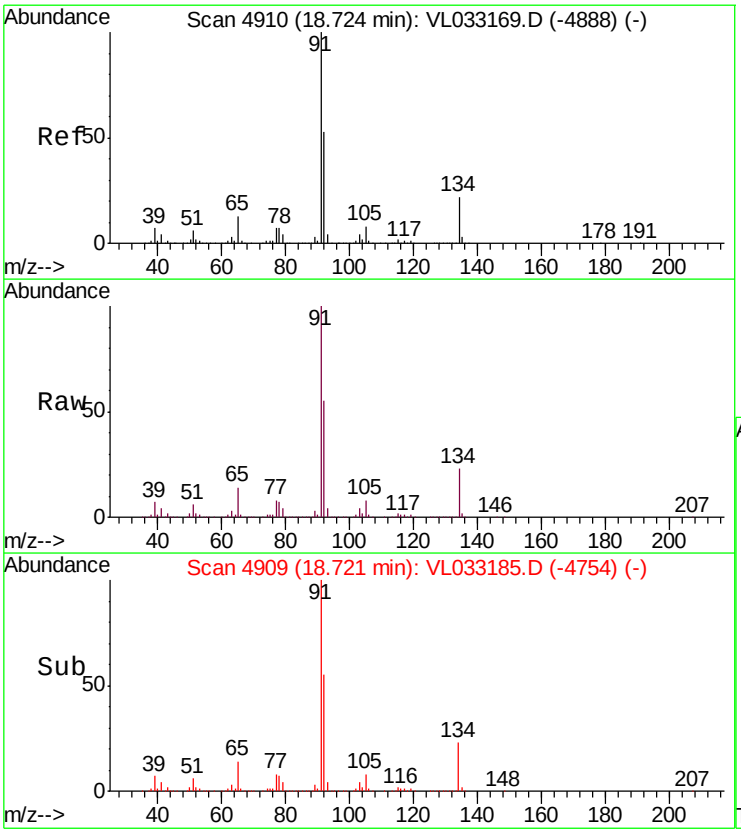

#69
p-Isopropyltoluene
Concen: 6.800 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:119 Resp: 4431711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 20.4 | 30.6 |
| 91 | 29.2 | 23.4 | 35.2 |

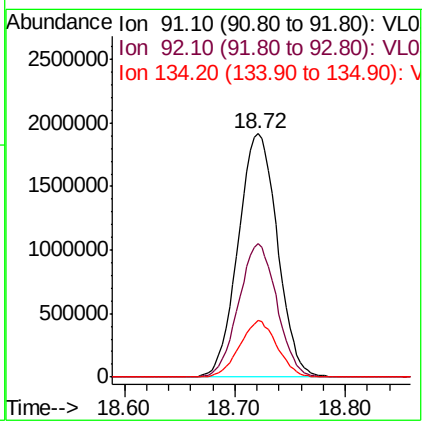


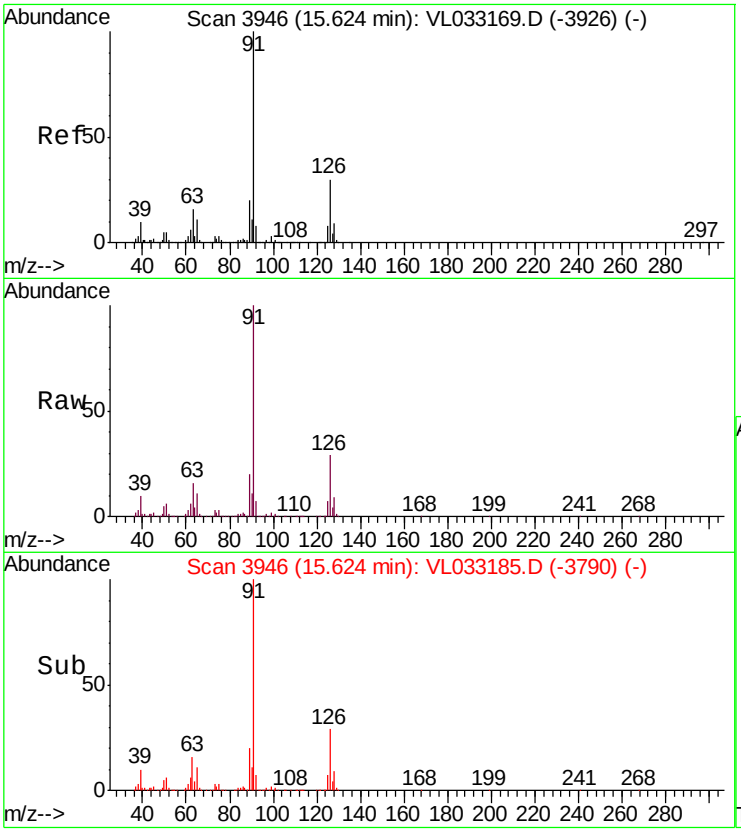




#70
n-Butylbenzene
Concen: 6.702 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion: 91 Resp: 4712599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 43.0 | 64.4 |
| 134 | 22.3 | 17.5 | 26.3 |



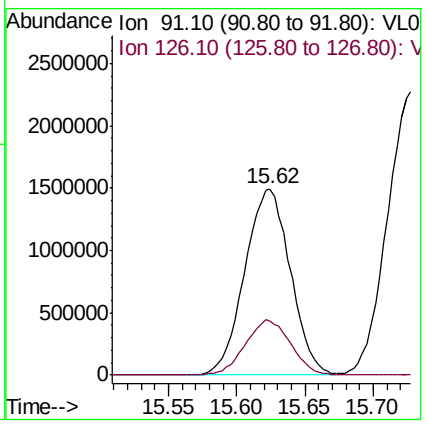


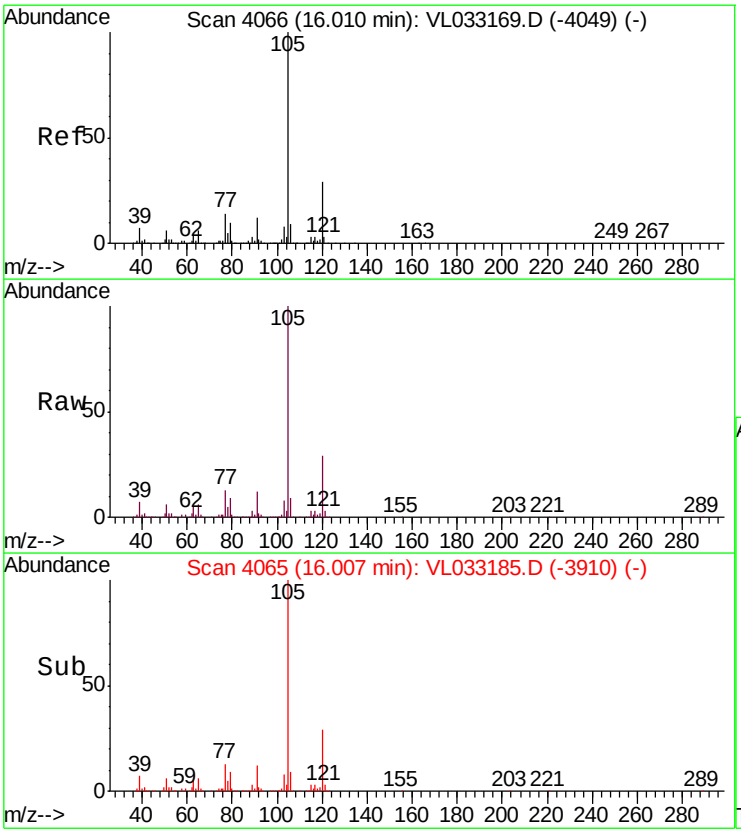

#71
2-Chlorotoluene
Concen: 7.121 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDCCC010

Tgt Ion: 91 Resp: 3463032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.5 | 11.8 | 47.4 |

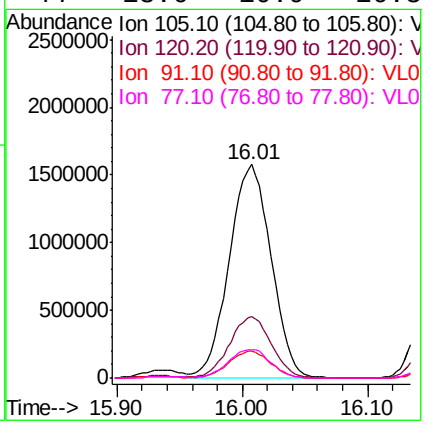


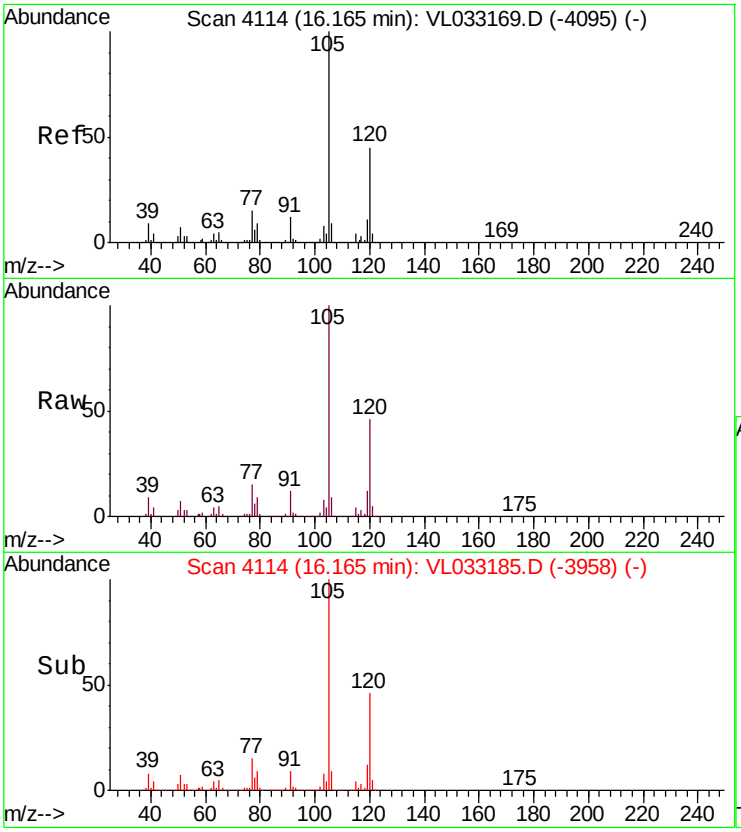




#72
4-Ethyltoluene
Concen: 7.240 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:105 Resp: 3661626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.7 | 23.1 | 34.7 |
| 91 | 12.5 | 9.8 | 14.6 |
| 77 | 13.6 | 10.9 | 16.3 |



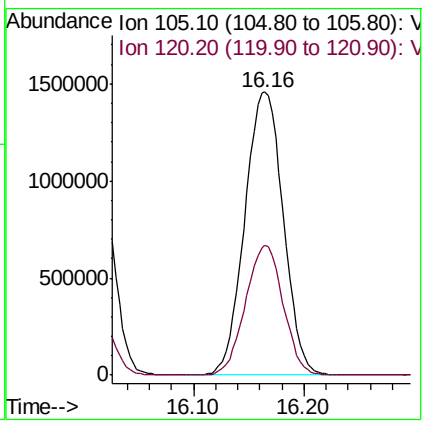


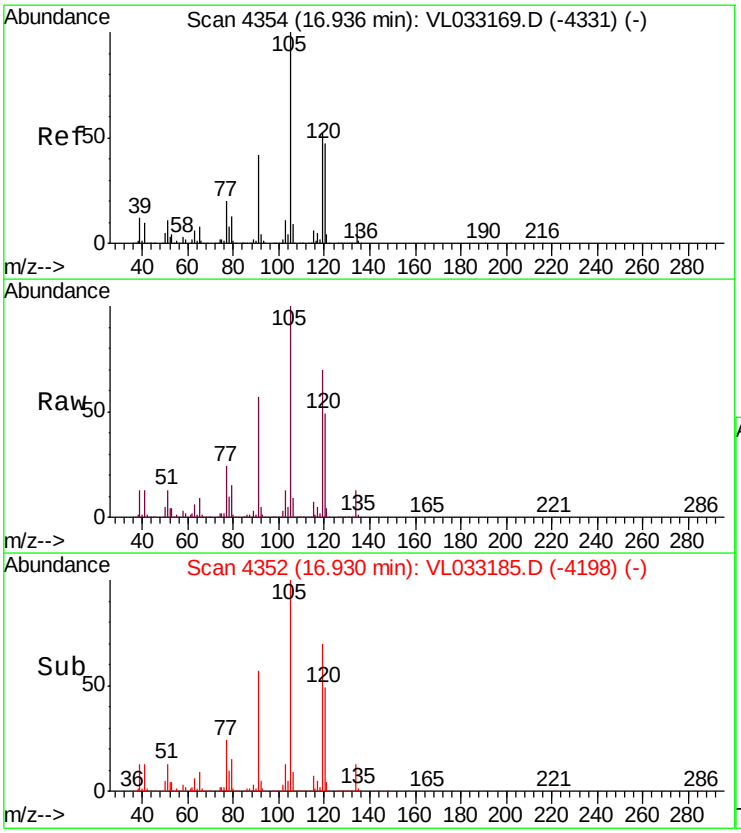

#73
1,3,5-Trimethylbenzene
Concen: 7.258 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:105 Resp: 3510637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.8 | 36.2 | 54.4 |

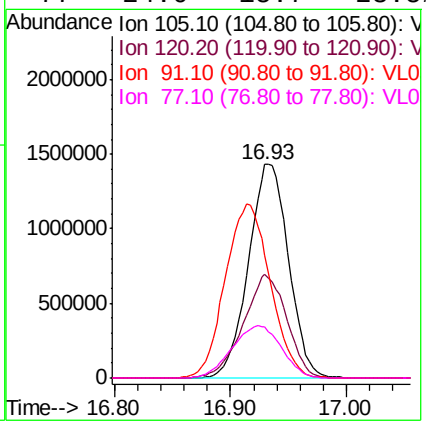


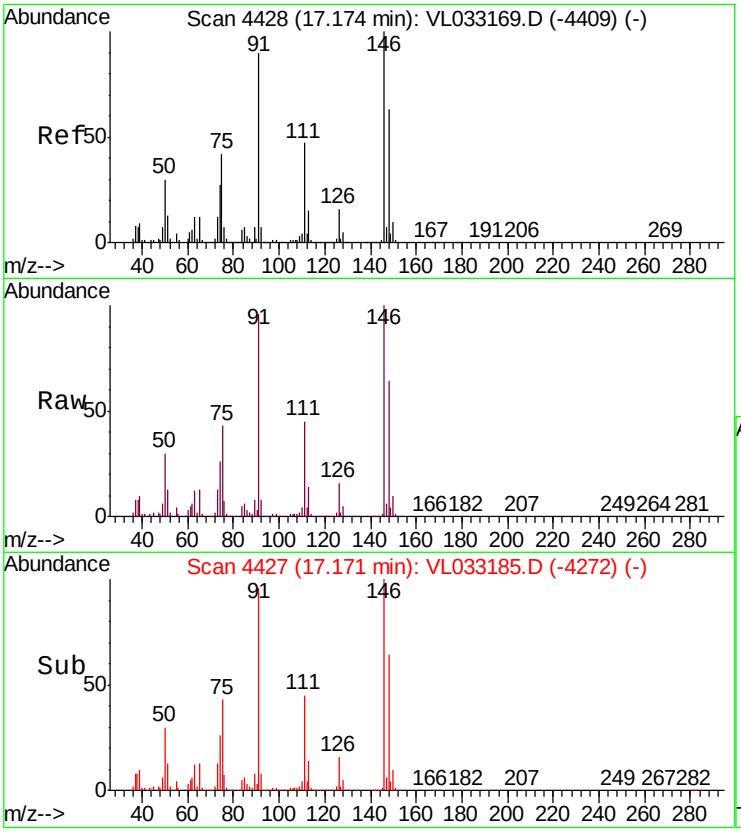




#74
1,2,4-Trimethylbenzene
Concen: 6.831 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:105 Resp: 3428875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 37.9 | 56.9 |
| 91 | 57.3 | 34.0 | 51.0# |
| 77 | 24.0 | 15.7 | 23.5# |



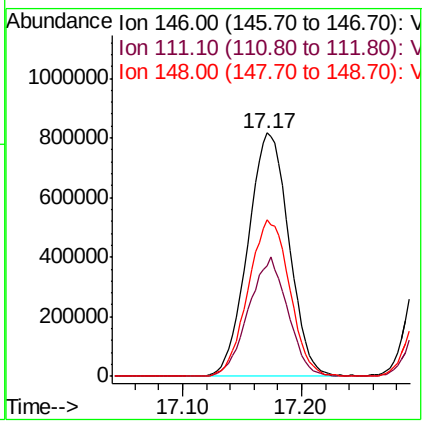


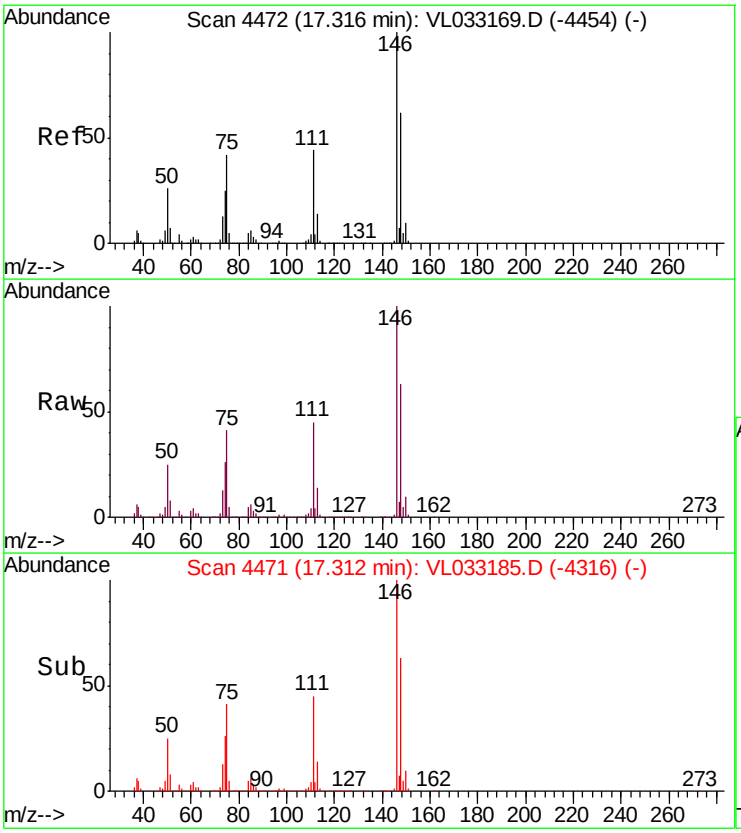

#75
1,3-Dichlorobenzene
Concen: 6.755 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:146 Resp: 1955335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.6 | 23.2 | 69.6 |
| 148 | 64.7 | 31.8 | 95.4 |

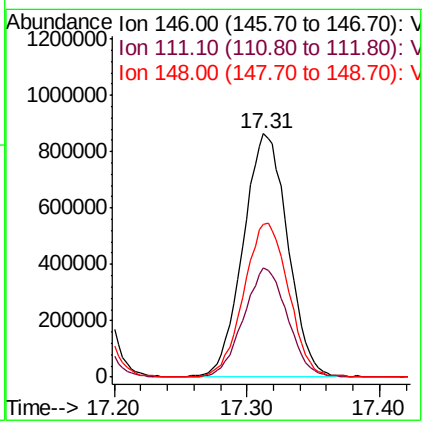


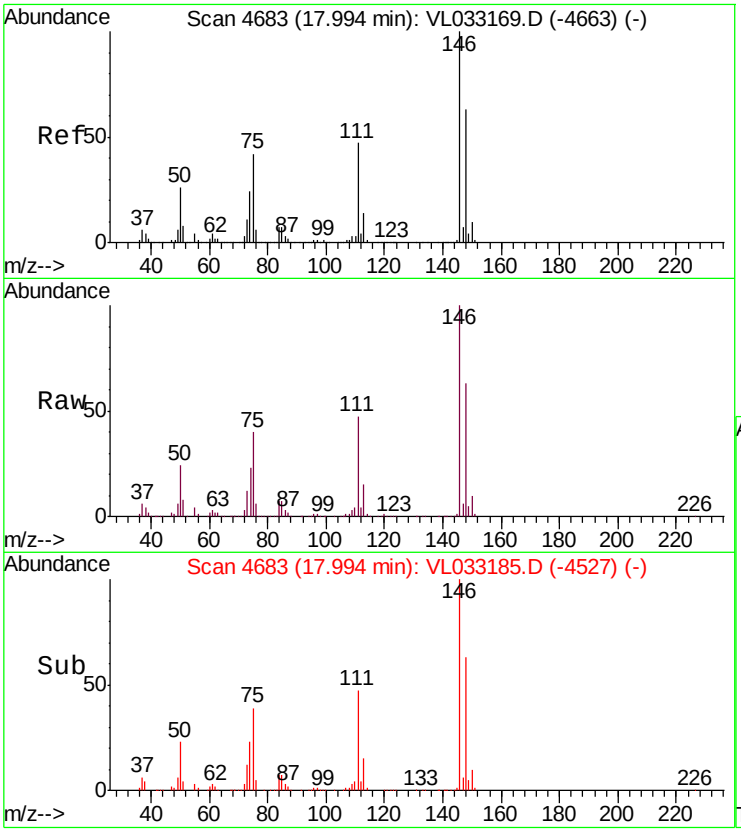




#76
1,4-Dichlorobenzene
Concen: 7.006 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:146 Resp: 2008554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.3 | 22.4 | 67.0 |
| 148 | 64.0 | 31.9 | 95.9 |



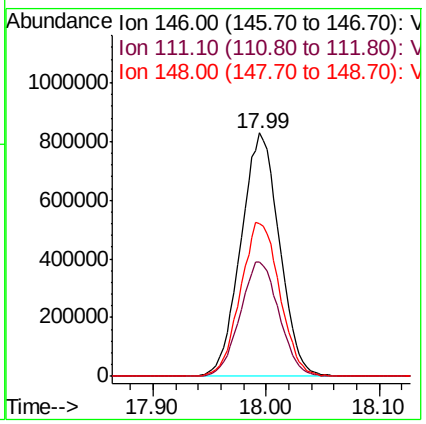


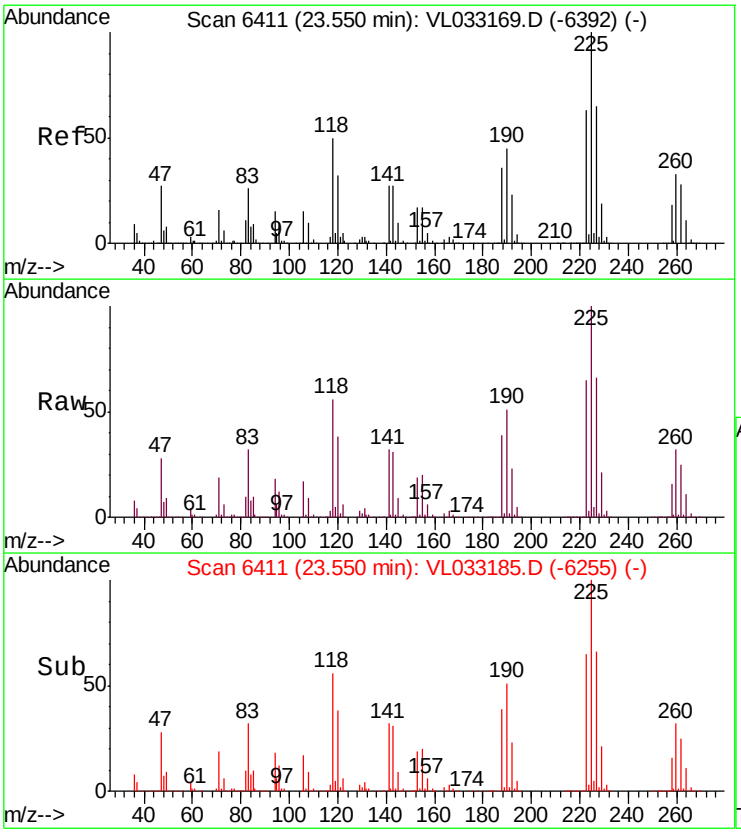

#77
1,2-Dichlorobenzene
Concen: 6.863 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:146 Resp: 1962902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.4 | 23.5 | 70.6 |
| 148 | 64.4 | 31.9 | 95.7 |

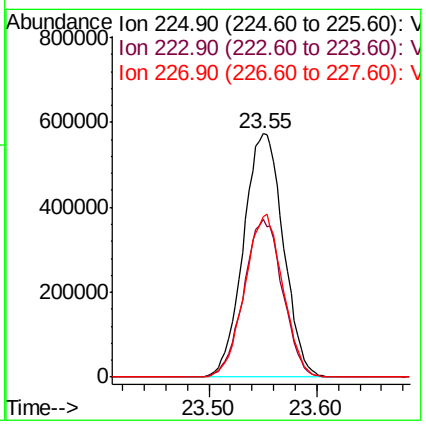


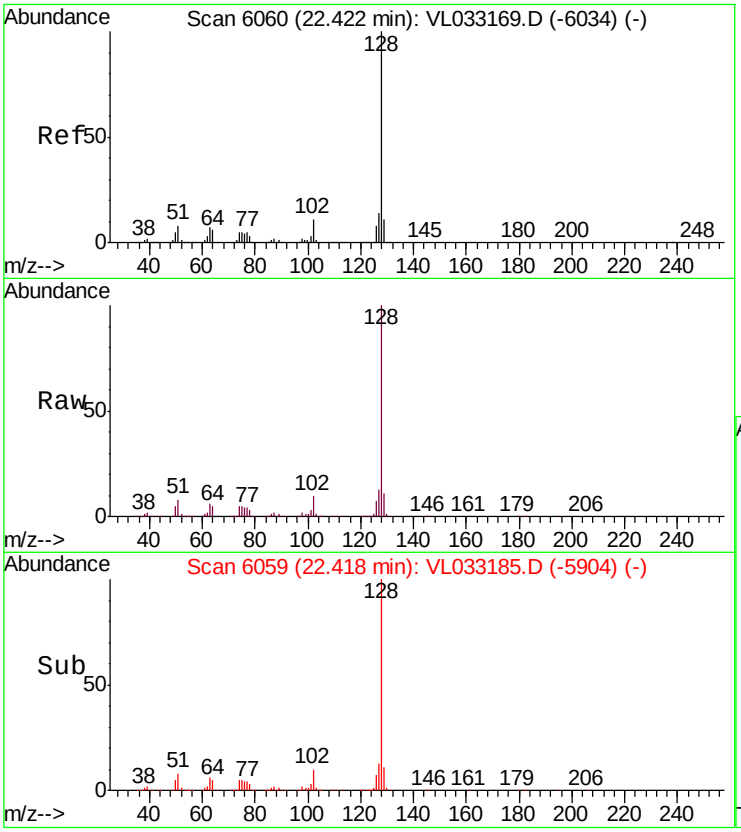




#78
Hexachloro-1,3-Butadiene
Concen: 10.339 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:225 Resp: 1472142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.2 | 50.6 | 75.8 |
| 227 | 64.0 | 51.4 | 77.2 |



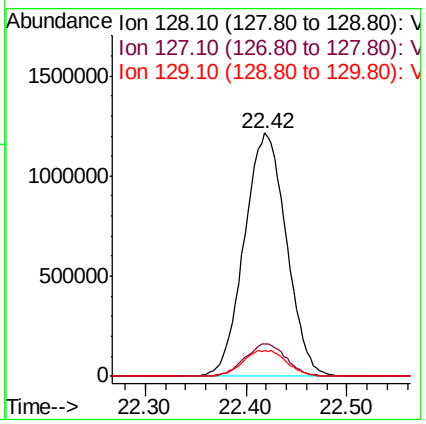


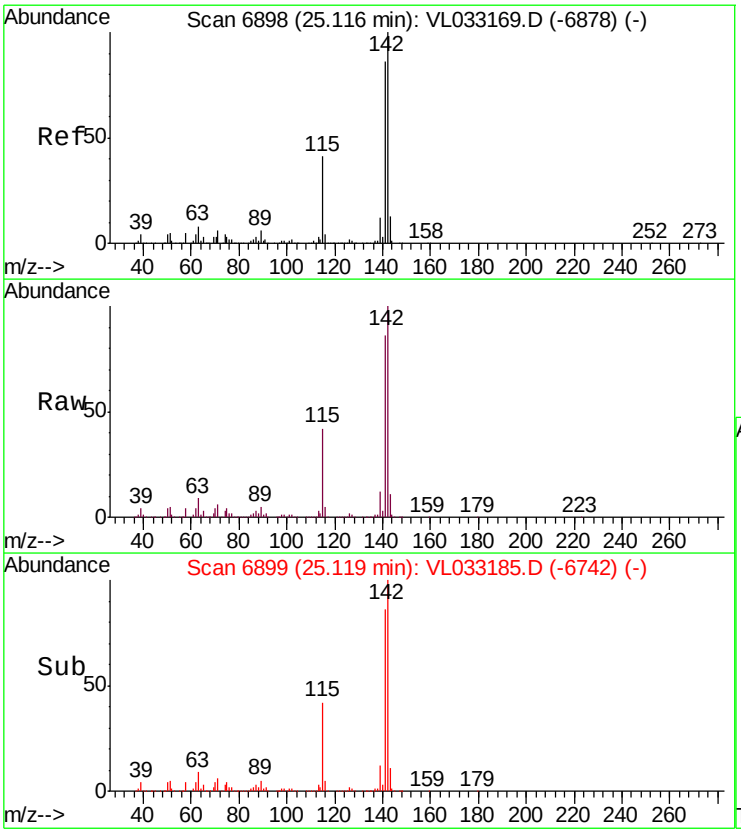

#79
Naphthalene
Concen: 6.523 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:128 Resp: 3518191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 11.0 | 16.4 |
| 129 | 10.5 | 8.6 | 12.8 |

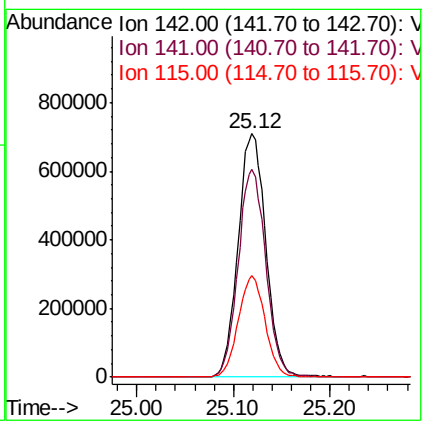


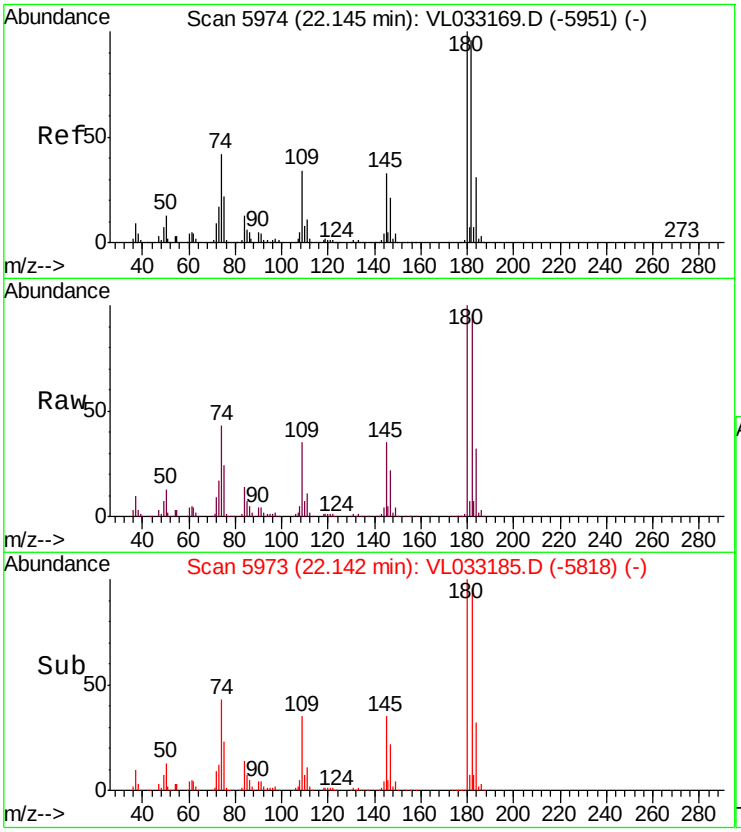




#80
Naphthalene,2-methyl-
Concen: 5.181 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

Tgt Ion:142 Resp: 1414997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.2 | 67.7 | 101.5 |
| 115 | 40.6 | 32.7 | 49.1 |






#81
1,2,4-Trichlorobenzene
Concen: 6.369 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033185.D
Acq: 13 Feb 2019 12:14

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDCCC010

Tgt Ion:180 Resp: 1745233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 75.8 | 113.8 |
| 184 | 30.5 | 24.3 | 36.5 |