Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033742.D
Acq On : 22 May 2019 12:49
Operator : SY/AP
Sample : VL0522ABSDUP01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Quant Time: May 23 04:19:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 1044526 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.29 | 114 | 2457484 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.23 | 117 | 3199185 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.57 | 95 | 2089653 | 8.06 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 80.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.07 | 85 | 1647761 | 7.485 | ppbv | 100 |
| 3) Chlorodifluoromethane | 3.01 | 51 | 1149295 | 9.606 | ppbv | 100 |
| 4) Chloromethane | 3.17 | 50 | 667528 | 9.754 | ppbv | 100 |
| 5) Vinyl Chloride | 3.29 | 62 | 677441 | 9.718 | ppbv | 95 |
| 6) Bromomethane | 3.51 | 94 | 426247 | 10.021 | ppbv | 93 |
| 7) Chloroethane | 3.60 | 64 | 251878 | 10.167 | ppbv | 98 |
| 8) Dichlorotetrafluoroethane | 3.22 | 85 | 1721278 | 9.699 | ppbv | 100 |
| 9) Propene | 3.03 | 41 | 513712 | 10.094 | ppbv | 99 |
| 10) Heptane | 8.24 | 43 | 1352484 | 9.385 | ppbv | 100 |
| 11) Trichlorofluoromethane | 4.00 | 101 | 2032888 | 9.676 | ppbv | 99 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.54 | 101 | 1371092 | 9.345 | ppbv | 100 |
| 13) Ethanol | 3.65 | 45 | 98347 | 5.979 | ppbv | 100 |
| 14) Bromoethene | 3.78 | 108 | 567273 | 10.518 | ppbv | 99 |
| 15) Acetone | 3.89 | 43 | 1270817 | 8.769 | ppbv | 100 |
| 16) 1,3-Butadiene | 3.36 | 39 | 602314 | 10.437 | ppbv | 100 |
| 17) tert-Butyl alcohol | 4.35 | 59 | 1199978 | 10.240 | ppbv | 100 |
| 18) 1,1-Dichloroethene | 4.35 | 96 | 619486 | 10.004 | ppbv | 98 |
| 19) Isopropyl Alcohol | 4.02 | 45 | 855969 | 9.160 | ppbv | 100 |
| 20) Methylene Chloride | 4.40 | 84 | 524253 | 9.395 | ppbv | 98 |
| 21) Allyl Chloride | 4.47 | 41 | 901927 | 9.978 | ppbv | 99 |
| 22) trans-1,2-Dichloroethene | 4.96 | 96 | 635464 | 10.012 | ppbv | 94 |
| 23) Vinyl Acetate | 5.15 | 43 | 1967908 | 10.299 | ppbv | 99 |
| 24) 1,1-Dichloroethane | 5.08 | 63 | 1391862 | 9.582 | ppbv | 99 |
| 25) Ethyl Acetate | 5.76 | 43 | 2375757 | 9.332 | ppbv | 100 |
| 26) Hexane | 5.77 | 57 | 1040276 | 9.505 | ppbv | 99 |
| 27) Carbon Disulfide | 4.62 | 76 | 1557448 | 10.372 | ppbv | 100 |
| 28) Methyl tert-Butyl Ether | 5.10 | 73 | 1822122 | 10.213 | ppbv | 99 |
| 29) Chloroform | 5.84 | 83 | 1787544 | 8.867 | ppbv | 100 |
| 30) Cyclohexane | 7.24 | 84 | 878610 | 9.549 | ppbv | 99 |
| 31) cis-1,2-Dichloroethene | 5.63 | 61 | 1085908 | 10.007 | ppbv | 98 |
| 32) 1,1,1-Trichloroethane | 6.61 | 97 | 1833856 | 9.110 | ppbv | 100 |
| 34) 2-Butanone | 5.32 | 43 | 1573311 | 10.329 | ppbv | 100 |
| 35) Carbon Tetrachloride | 7.13 | 117 | 1950413 | 9.908 | ppbv | 99 |
| 36) Benzene | 7.00 | 78 | 2175061 | 9.730 | ppbv | 99 |
| 37) 1,2-Dichloroethane | 6.41 | 62 | 1372698 | 9.519 | ppbv | 100 |
| 38) Trichloroethene | 7.95 | 130 | 894083 | 10.779 | ppbv | 98 |
| 39) 1,2-Dichloropropane | 7.73 | 63 | 812395 | 9.747 | ppbv | 97 |
| 40) 1,4-Dioxane | 7.95 | 88 | 296745 | 8.511 | ppbv # | 95 |
| 41) Tetrahydrofuran | 6.14 | 42 | 872426 | 10.222 | ppbv | 100 |
| 42) Bromodichloromethane | 7.91 | 83 | 1956999 | 9.913 | ppbv | 98 |
| 43) Methyl Methacrylate | 8.13 | 69 | 875194 | 10.638 | ppbv | 98 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033742.D
Acq On : 22 May 2019 12:49
Operator : SY/AP
Sample : VL0522ABSDUP01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Quant Time: May 23 04:19:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.98 | 57 | 3648560 | 9.657 | ppbv | | 100 |
| 45) t-1,3-Dichloropropene | 9.41 | 75 | 1214615 | 11.646 | ppbv | | 97 |
| 46) cis-1,3-Dichloropropene | 8.83 | 75 | 1345265 | 11.016 | ppbv | | 97 |
| 47) 1,1,2-Trichloroethane | 9.61 | 97 | 929230 | 9.814 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.44 | 129 | 1711289 | 10.431 | ppbv | | 99 |
| 49) Bromoform | 13.20 | 173 | 1556498 | 11.276 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.86 | 43 | 2357211 | 10.061 | ppbv | | 99 |
| 51) 2-Hexanone | 10.26 | 43 | 1979184 | 10.823 | ppbv | # | 99 |
| 52) Tetrachloroethene | 11.37 | 164 | 833853 | 10.611 | ppbv | | 98 |
| 53) Toluene | 9.94 | 91 | 2584153 | 10.718 | ppbv | | 100 |
| 54) 1,2-Dibromoethane | 10.75 | 107 | 1466295 | 10.148 | ppbv | | 99 |
| 56) 1,1,1,2-Tetrachloroethane | 12.27 | 131 | 1146311 | 7.743 | ppbv | | 95 |
| 57) Chlorobenzene | 12.29 | 112 | 2021382 | 7.676 | ppbv | | 99 |
| 58) Ethyl Benzene | 12.85 | 91 | 3572661 | 8.433 | ppbv | | 100 |
| 59) m/p-Xylene | 13.14 | 91 | 3105717 | 8.386 | ppbv | # | 35 |
| 60) o-Xylene | 13.84 | 91 | 3016538 | 8.080 | ppbv | | 99 |
| 61) Styrene | 13.68 | 104 | 2270636 | 9.034 | ppbv | | 100 |
| 62) Isopropylbenzene | 14.82 | 105 | 4041628 | 8.039 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.83 | 83 | 2130302 | 7.847 | ppbv | | 100 |
| 64) n-propylbenzene | 15.71 | 120 | 1049526 | 8.070 | ppbv | | 99 |
| 65) tert-Butylbenzene | 16.90 | 119 | 3737572 | 8.142 | ppbv | | 99 |
| 66) Benzyl Chloride | 17.15 | 91 | 1978280 | 9.049 | ppbv | | 100 |
| 67) sec-Butylbenzene | 17.45 | 105 | 5196164 | 8.088 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.80 | 119 | 4256821 | 8.016 | ppbv | | 99 |
| 70) n-Butylbenzene | 18.70 | 91 | 4416156 | 7.755 | ppbv | | 100 |
| 71) 2-Chlorotoluene | 15.61 | 91 | 3064943 | 8.217 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 15.99 | 105 | 3603491 | 8.442 | ppbv | | 100 |
| 73) 1,3,5-Trimethylbenzene | 16.15 | 105 | 3416471 | 8.203 | ppbv | | 98 |
| 74) 1,2,4-Trimethylbenzene | 16.92 | 105 | 3556018 | 7.846 | ppbv | | 96 |
| 75) 1,3-Dichlorobenzene | 17.16 | 146 | 2067134 | 7.443 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.30 | 146 | 2023146 | 7.664 | ppbv | | 100 |
| 77) 1,2-Dichlorobenzene | 17.98 | 146 | 1980820 | 7.590 | ppbv | | 99 |
| 78) Hexachloro-1,3-Butadiene | 23.53 | 225 | 1150477 | 5.831 | ppbv | | 99 |
| 79) Naphthalene | 22.40 | 128 | 2872465 | 6.823 | ppbv | | 98 |
| 80) Naphthalene,2-methyl- | 25.11 | 142 | 904654 | 5.655 | ppbv | | 96 |
| 81) 1,2,4-Trichlorobenzene | 22.12 | 180 | 1619896 | 6.571 | ppbv | | 99 |

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

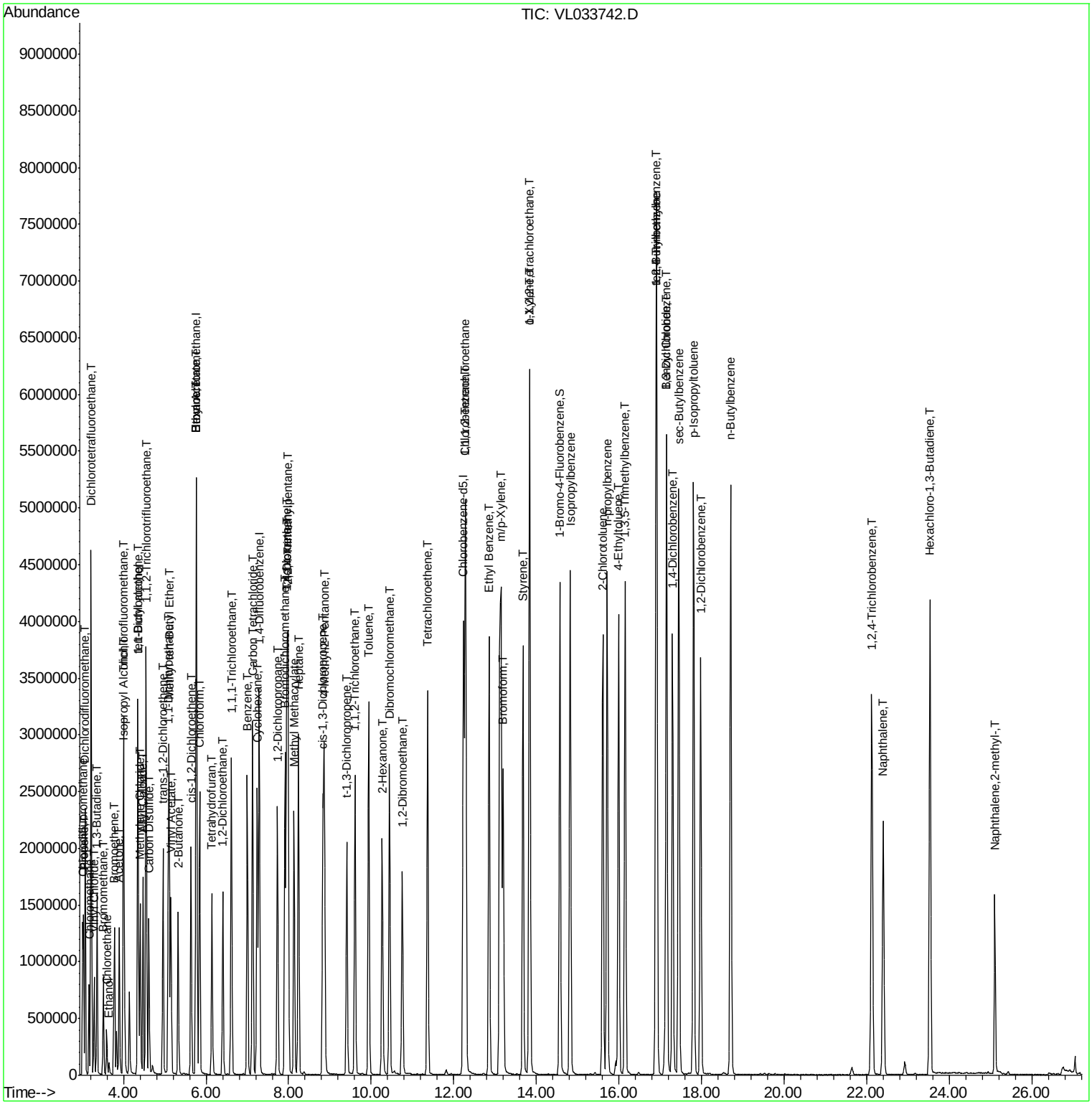
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

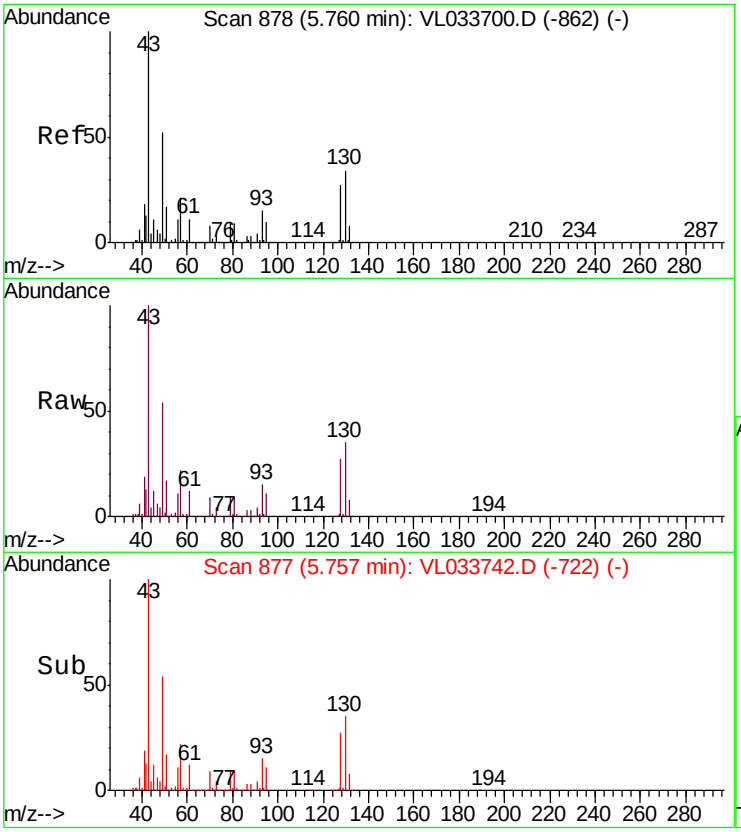
Quantitation Report (Not Reviewed)

Data File : VL033742.D
Acq On : 22 May 2019 12:49
Operator : SY/AP
Sample : VL0522ABSDUP01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Quant Time: May 23 04:19:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



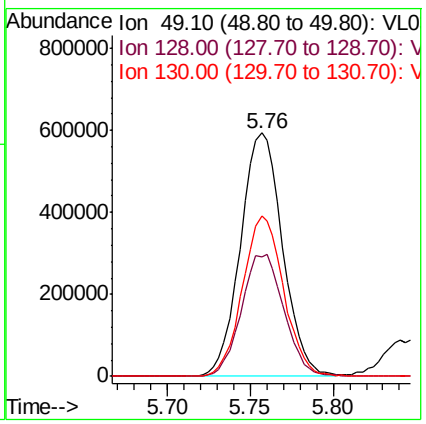


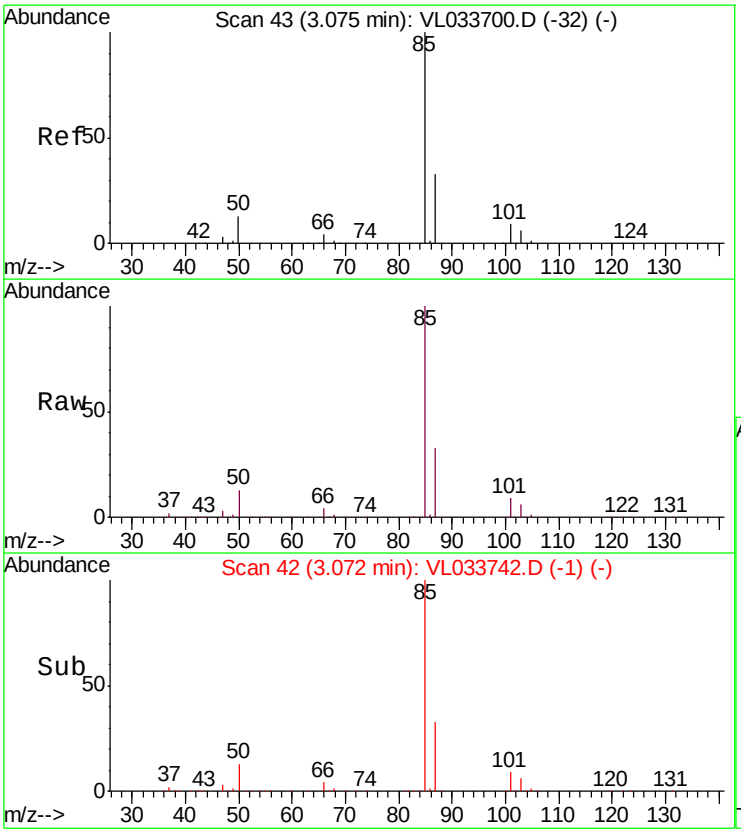

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 49 Resp: 1044526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 51.0 | 25.2 | 75.6 |
| 130 | 65.0 | 32.5 | 97.5 |

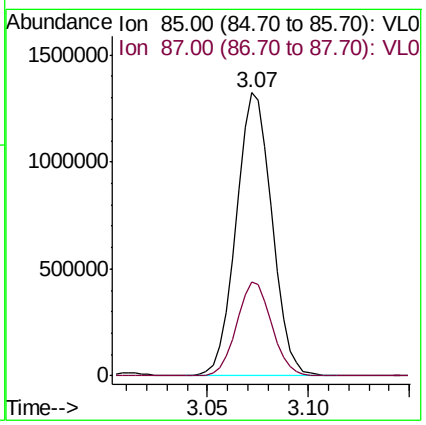


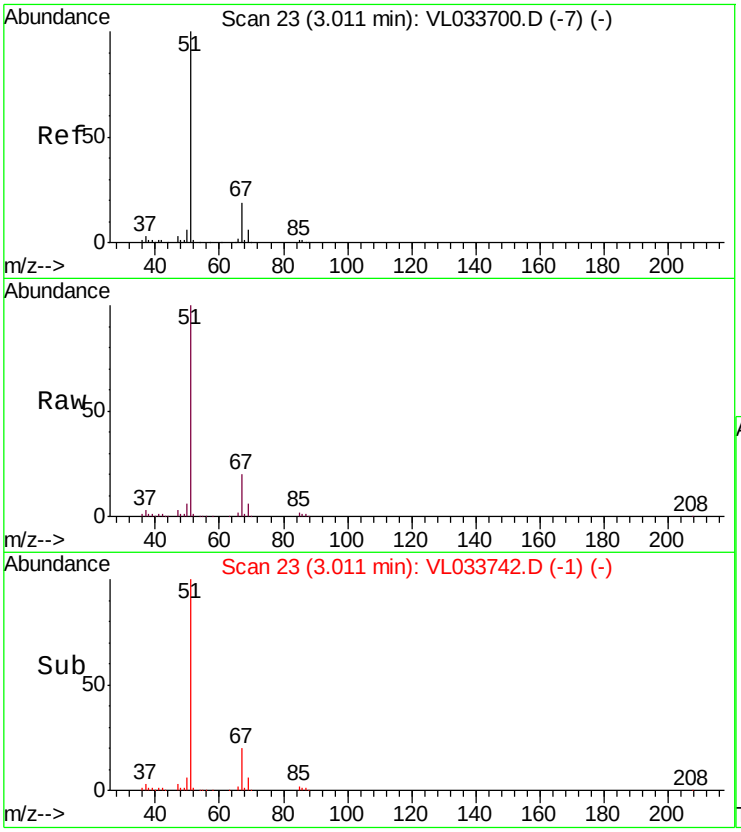




#2
Dichlorodifluoromethane
Concen: 7.485 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 85 Resp: 1647761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 26.3 | 39.5 |



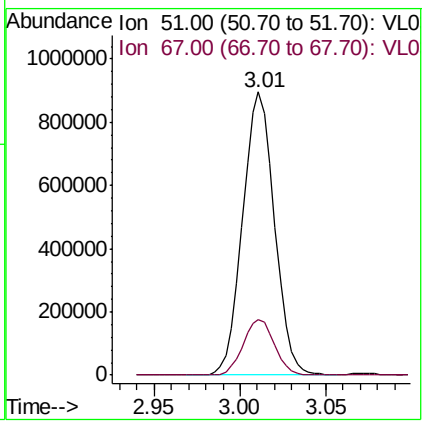


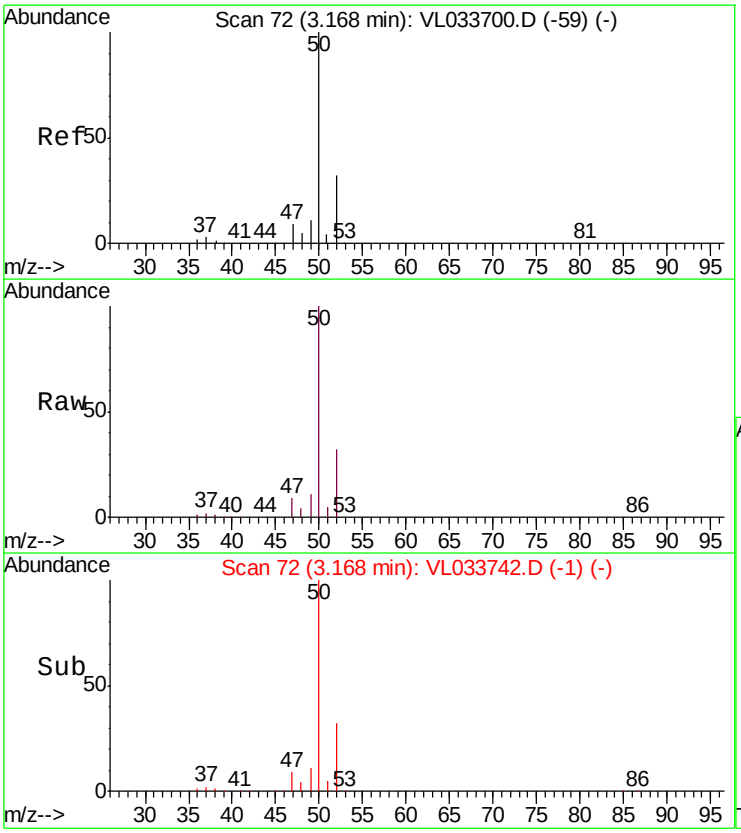

#3
Chlorodifluoromethane
Concen: 9.606 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 51 Resp: 1149295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 19.5 | 15.6 | 23.4 |

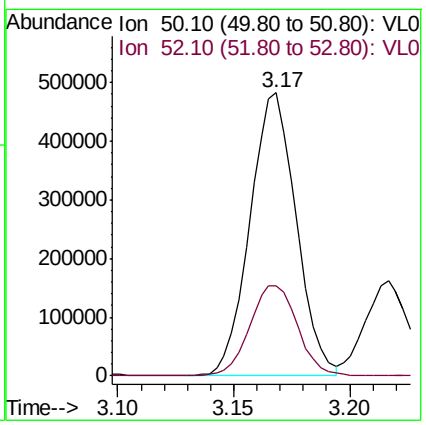


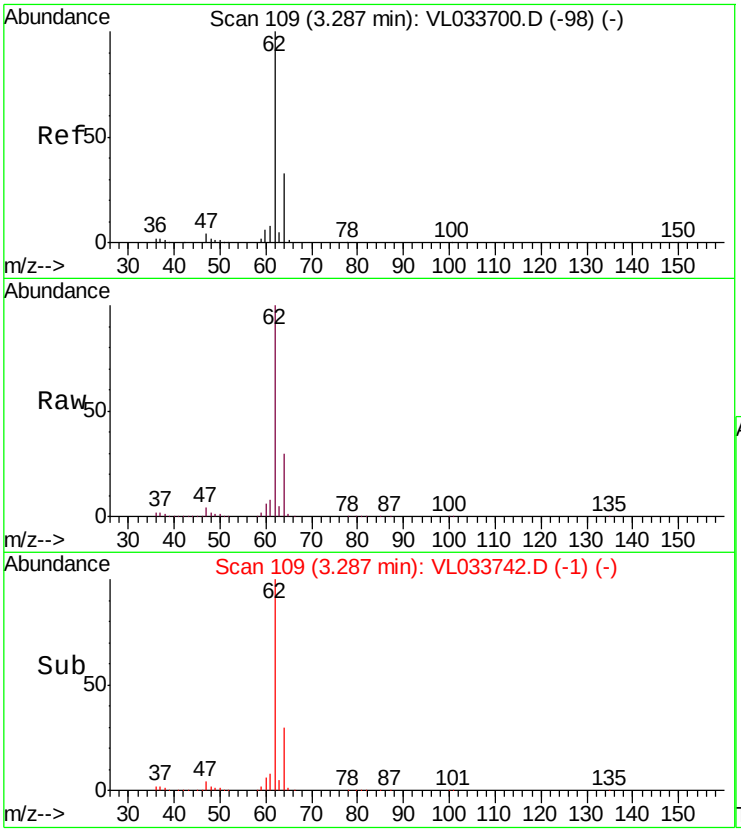




#4
Chloromethane
Concen: 9.754 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 50 Resp: 667528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.9 | 25.7 | 38.5 |



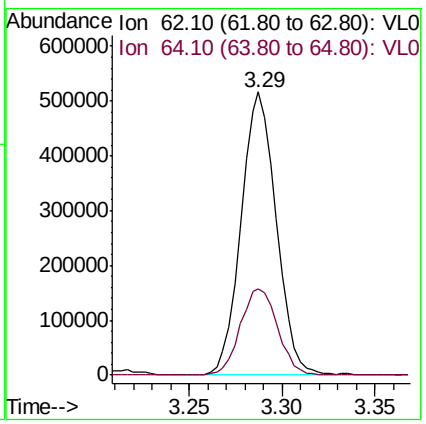


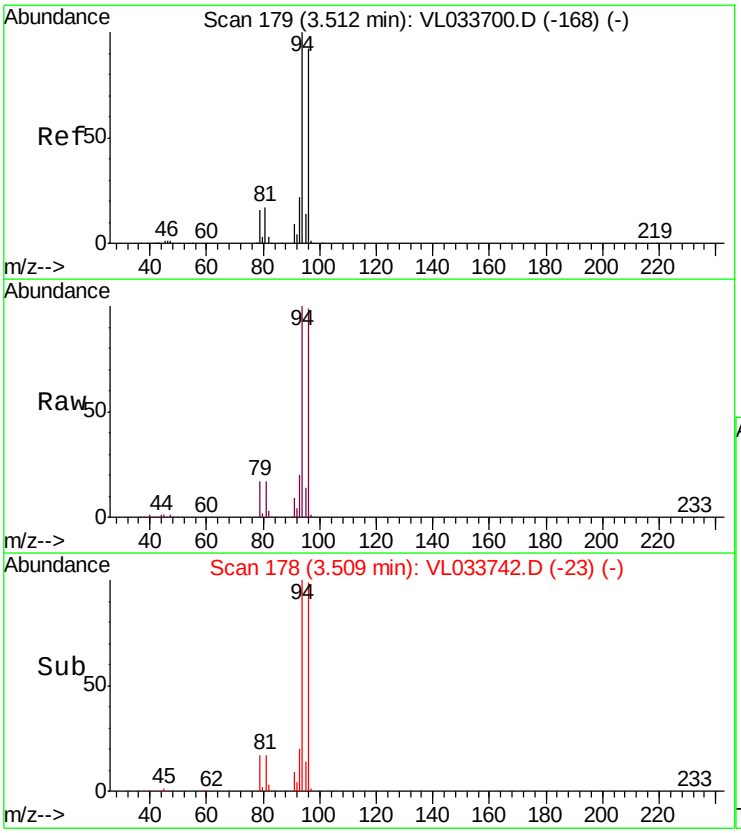

#5
Vinyl Chloride
Concen: 9.718 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 62 Resp: 677441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.4 | 26.4 | 39.6 |

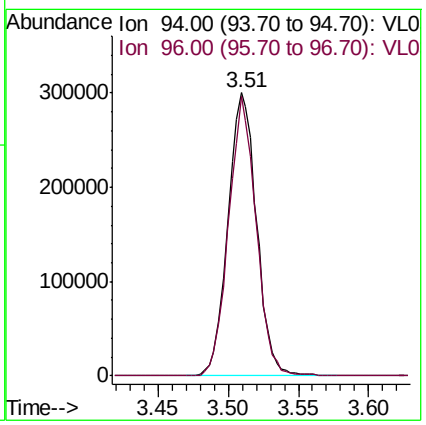


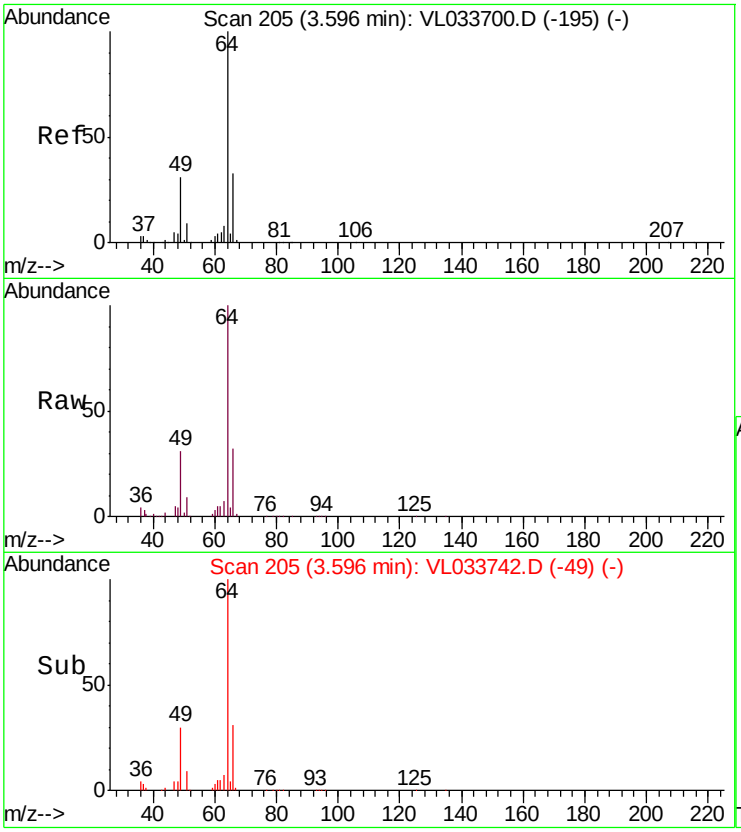




#6
Bromomethane
Concen: 10.021 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 94 Resp: 426247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.7 | 73.6 | 110.4 |



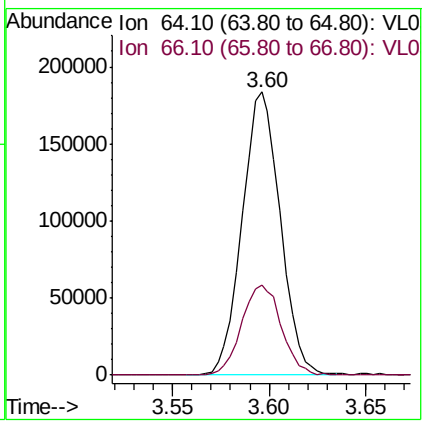


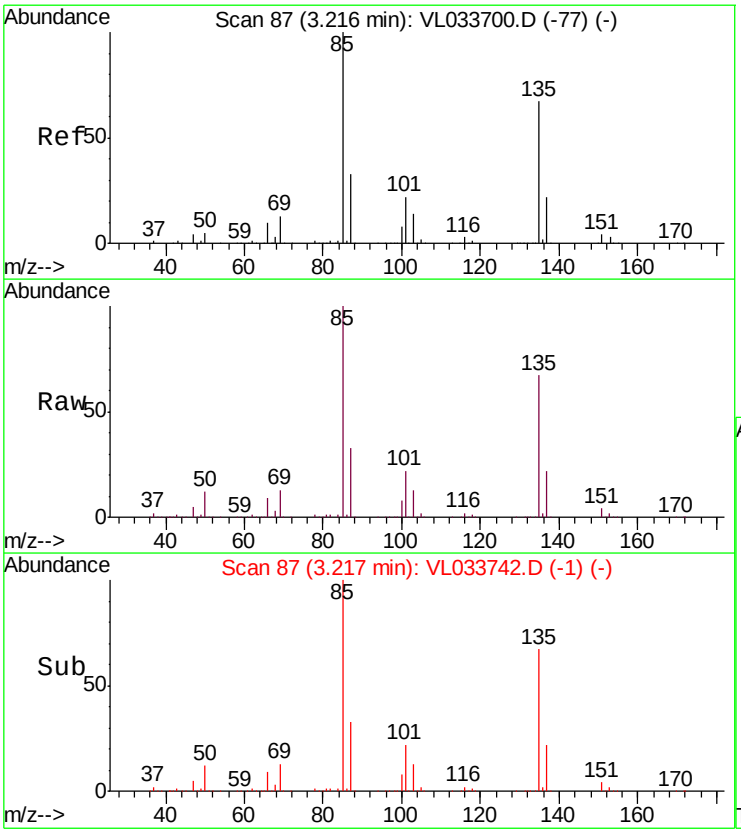

#7
Chloroethane
Concen: 10.167 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 64 Resp: 251878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 26.6 | 40.0 |

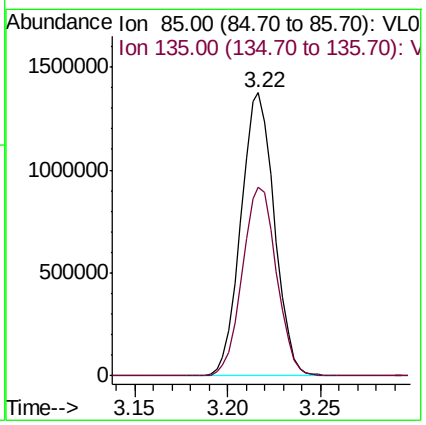


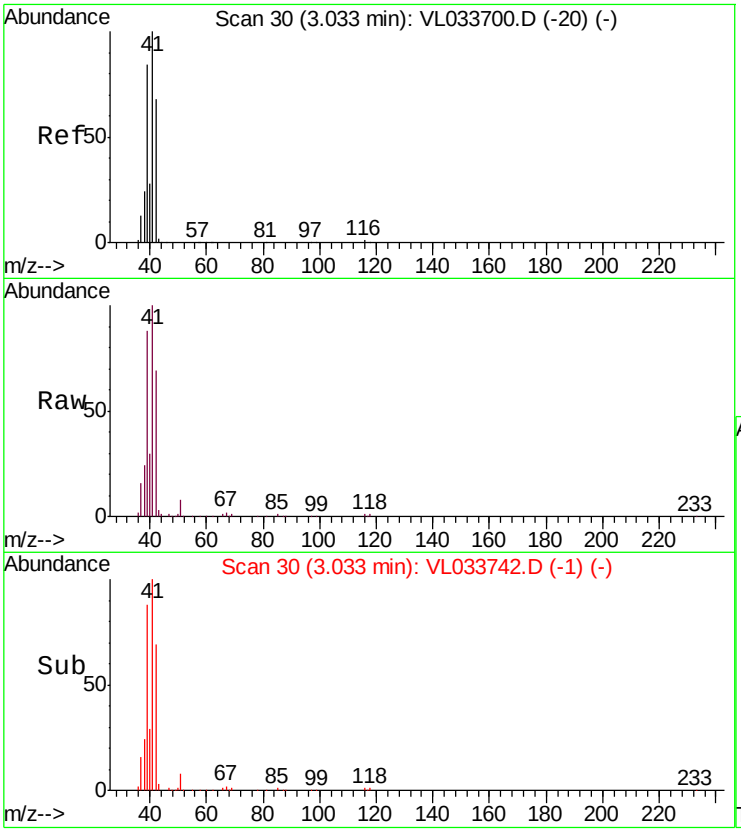




#8
Dichlorotetrafluoroethane
Concen: 9.699 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 85 Resp: 1721278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 68.2 | 54.5 | 81.7 |



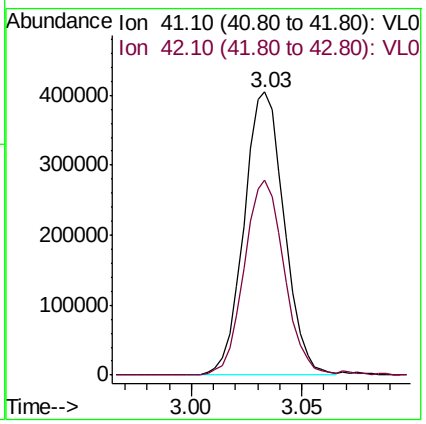


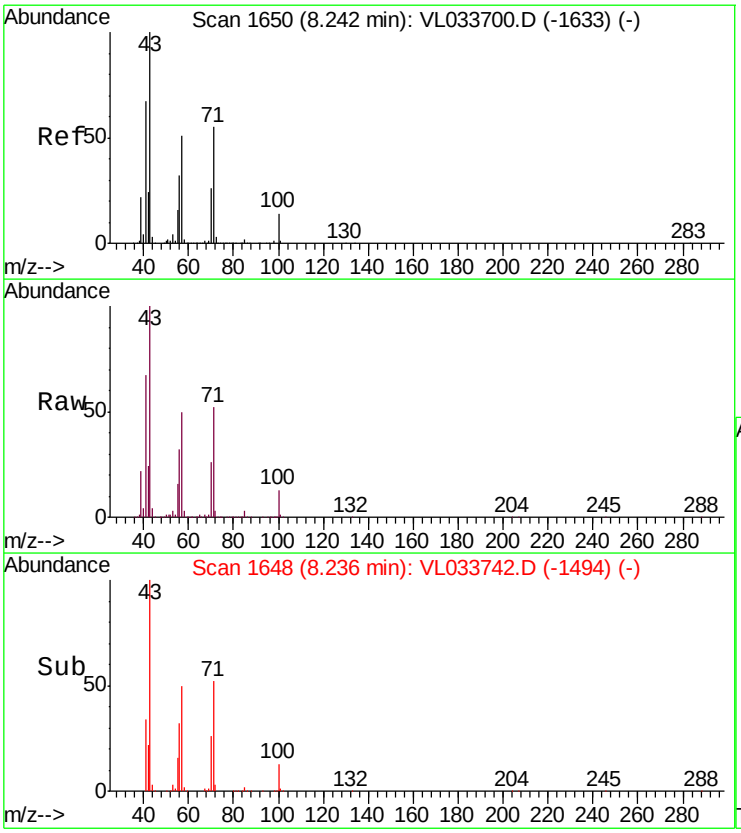

#9
Propene
Concen: 10.094 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 41 Resp: 513712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 69.5 | 56.1 | 84.1 |

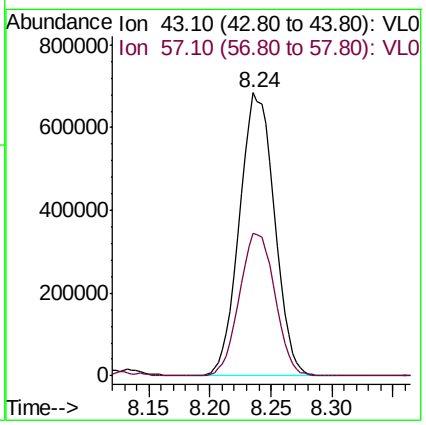


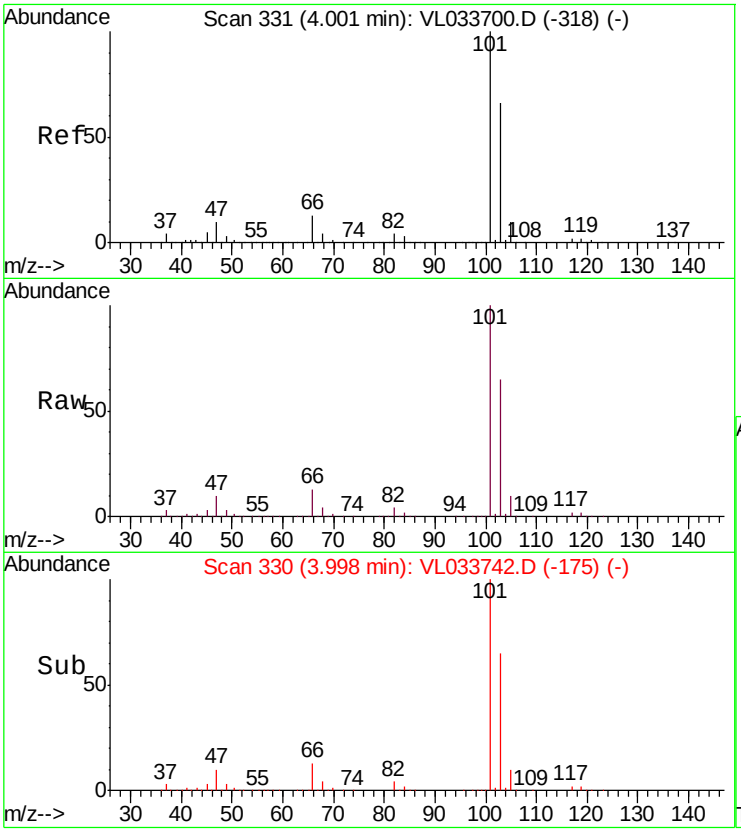




#10
Heptane
Concen: 9.385 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 43 Resp: 1352484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 51.4 | 41.4 | 62.0 |



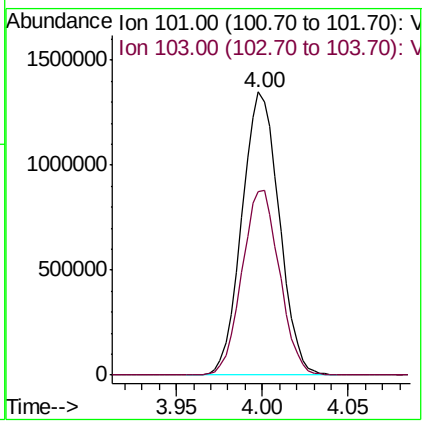


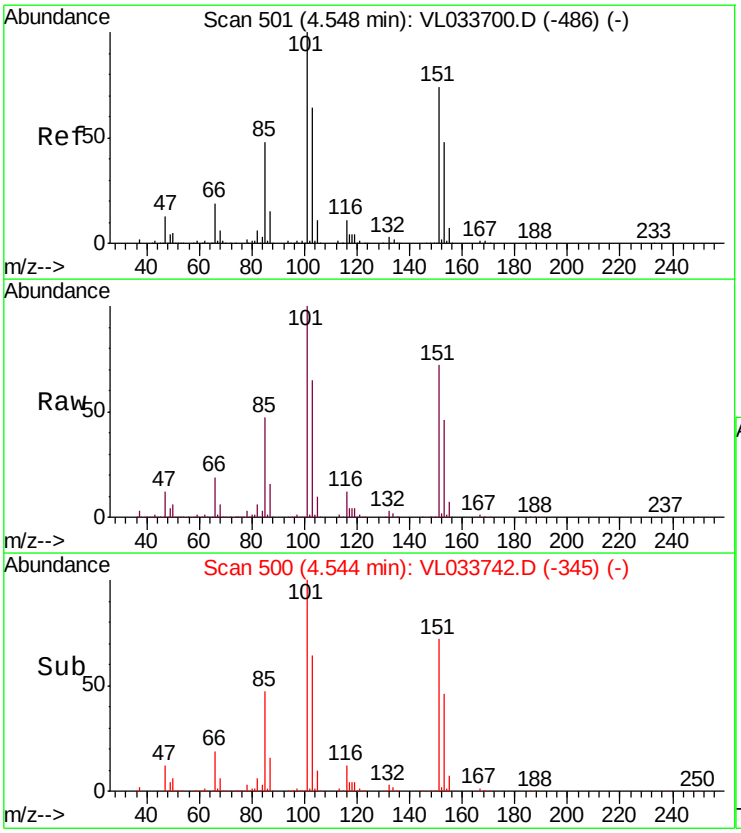

#11
Trichlorofluoromethane
Concen: 9.676 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:101 Resp: 2032888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 52.6 | 78.8 |

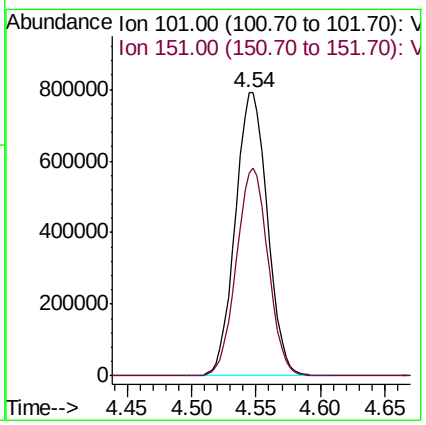


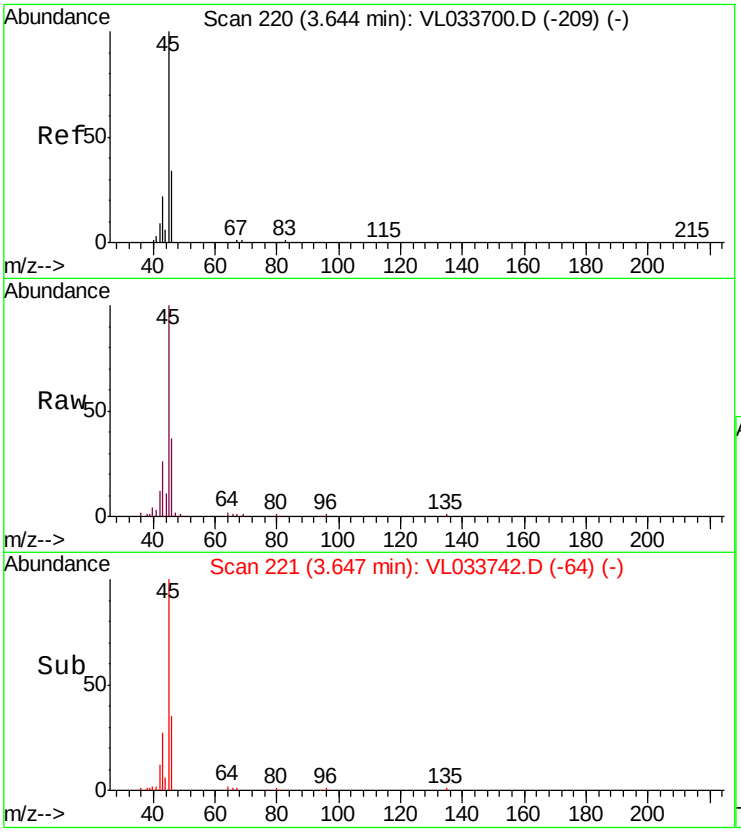




#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.345 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:101 Resp: 1371092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 72.8 | 58.2 | 87.4 |



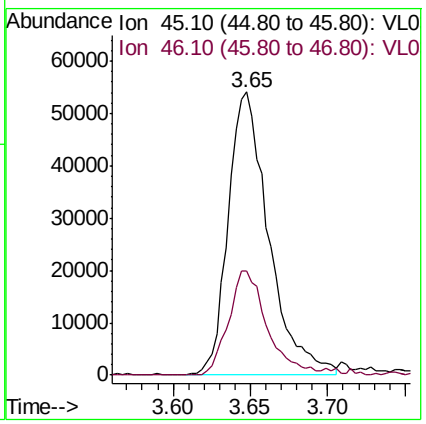


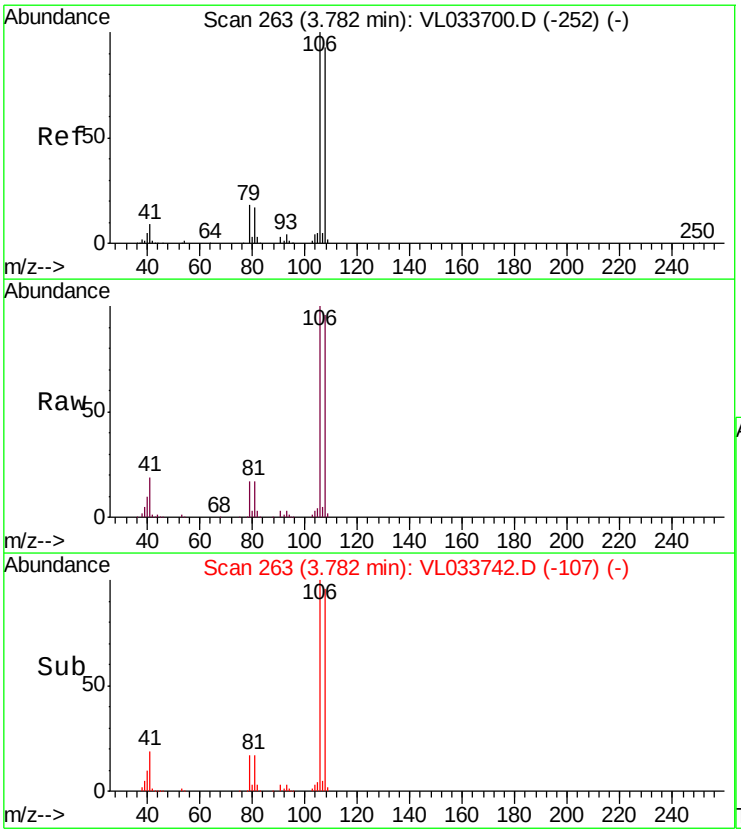

#13
Ethanol
Concen: 5.979 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 45 Resp: 98347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.7 | 14.8 | 59.0 |

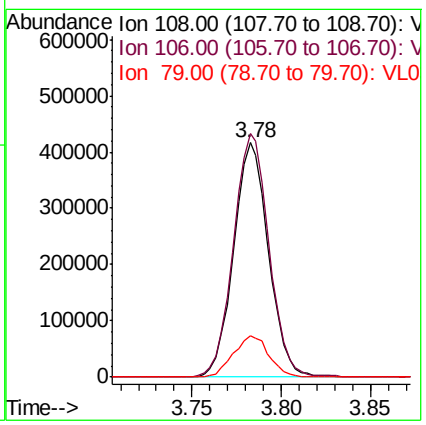


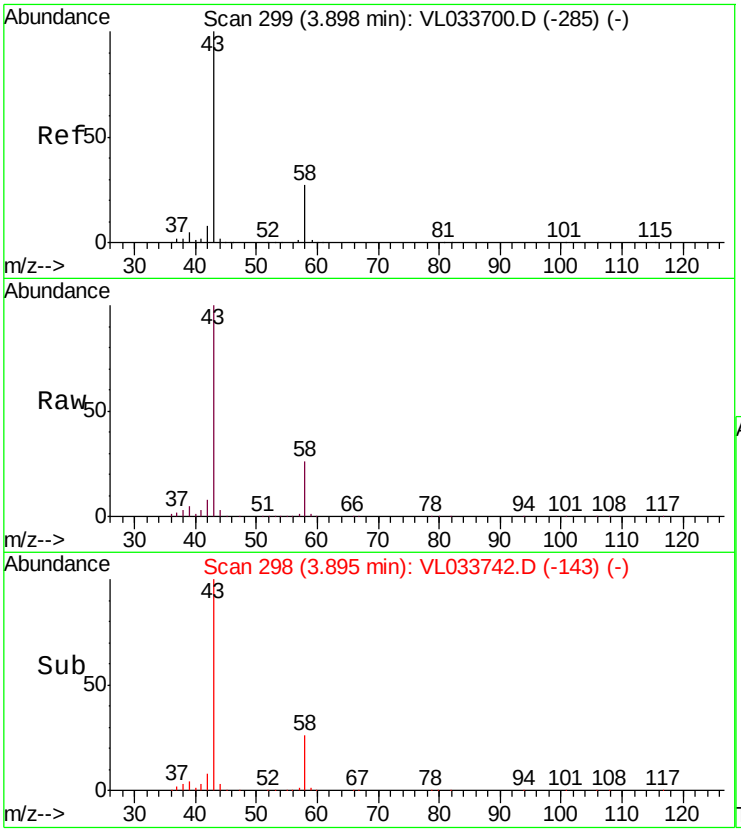




#14
Bromoethene
Concen: 10.518 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:108 Resp: 567273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 106.5 | 86.5 | 129.7 |
| 79 | 18.5 | 15.1 | 22.7 |



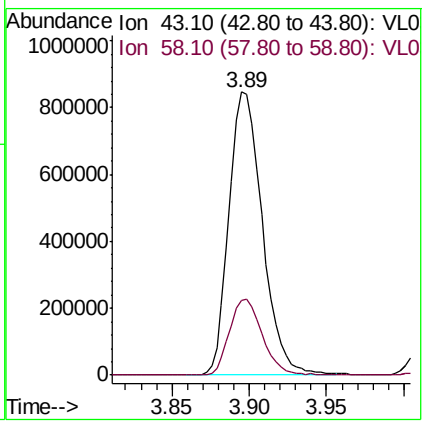


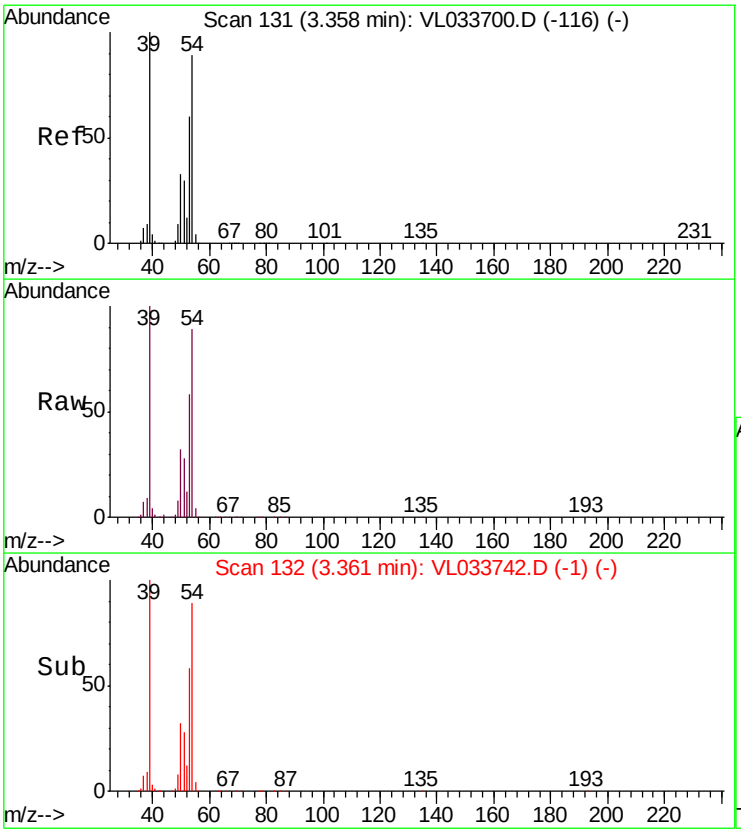

#15
Acetone
Concen: 8.769 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 43 Resp: 1270817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.5 | 21.3 | 31.9 |

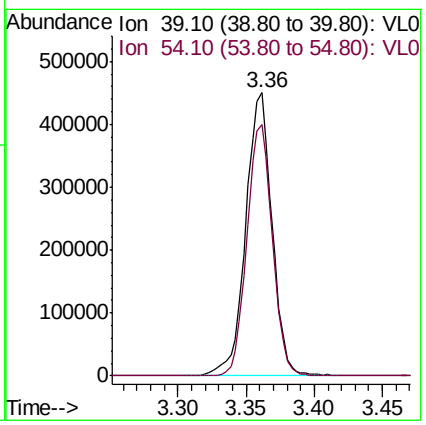


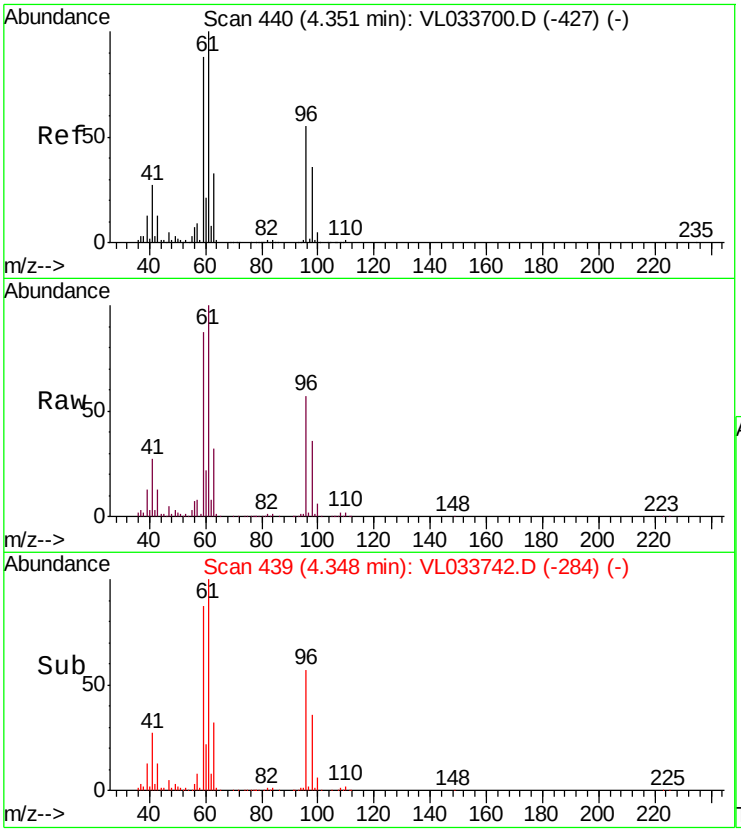




#16
1,3-Butadiene
Concen: 10.437 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 39 Resp: 602314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 86.5 | 69.0 | 103.6 |



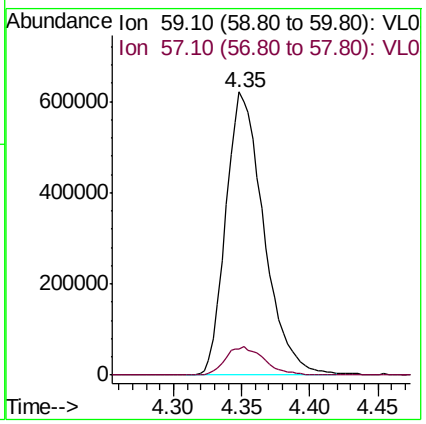


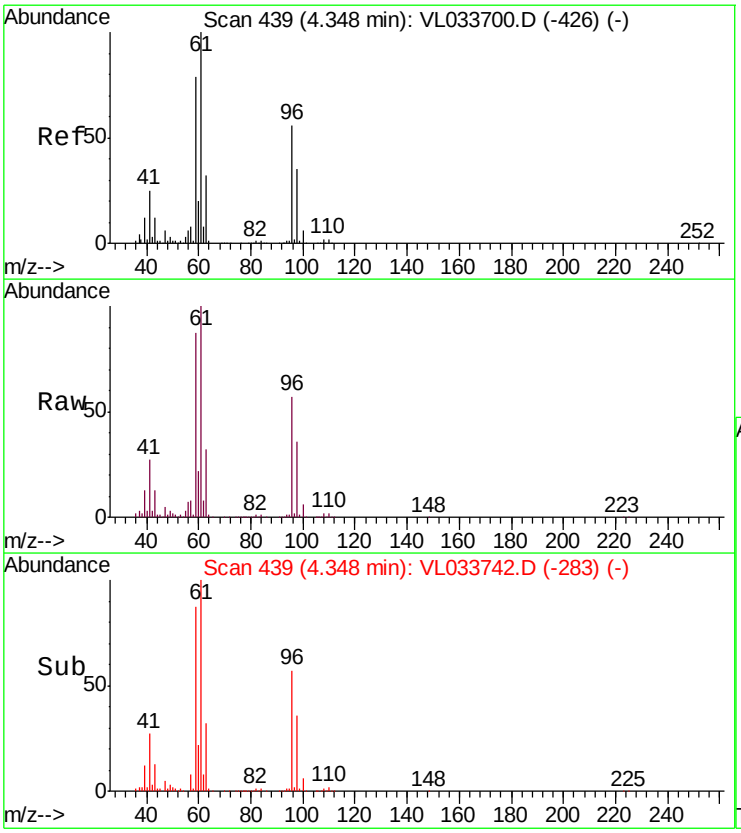

#17
tert-Butyl alcohol
Concen: 10.240 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 59 Resp: 1199978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.4 | 12.6 |

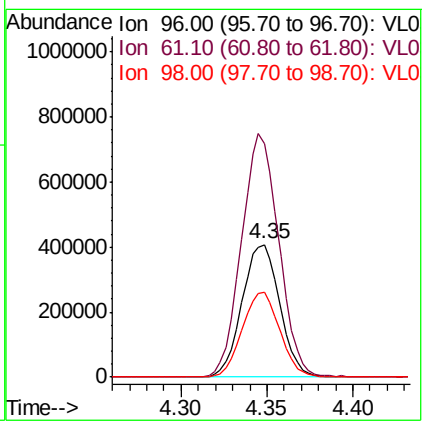


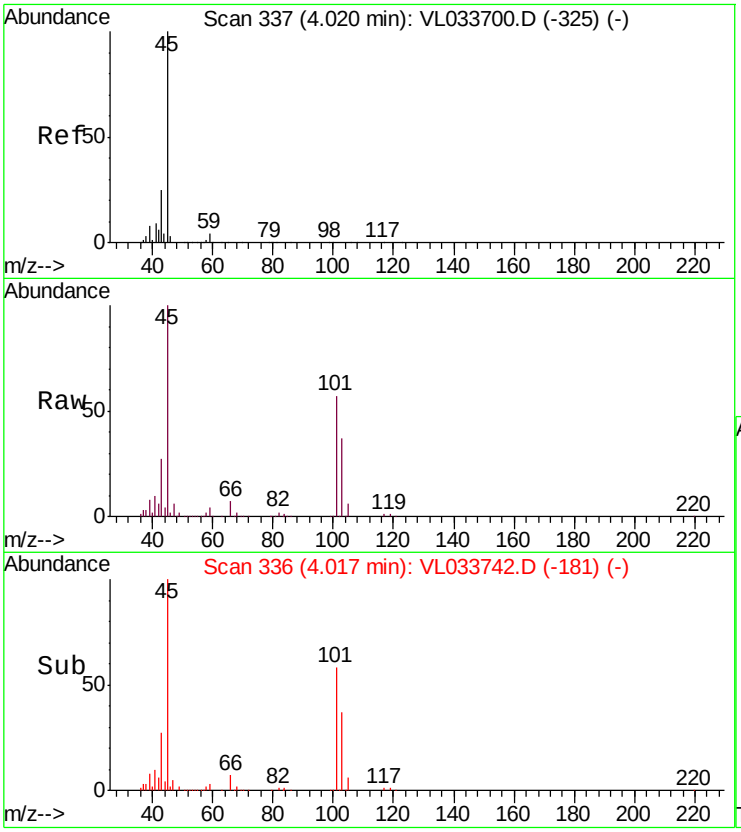




#18
1,1-Dichloroethene
Concen: 10.004 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 96 Resp: 619486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 175.6 | 143.1 | 214.7 |
| 98 | 63.6 | 49.5 | 74.3 |



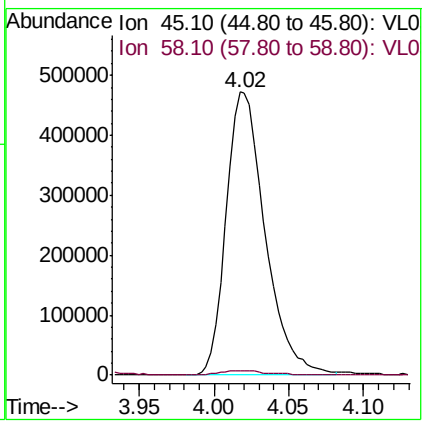


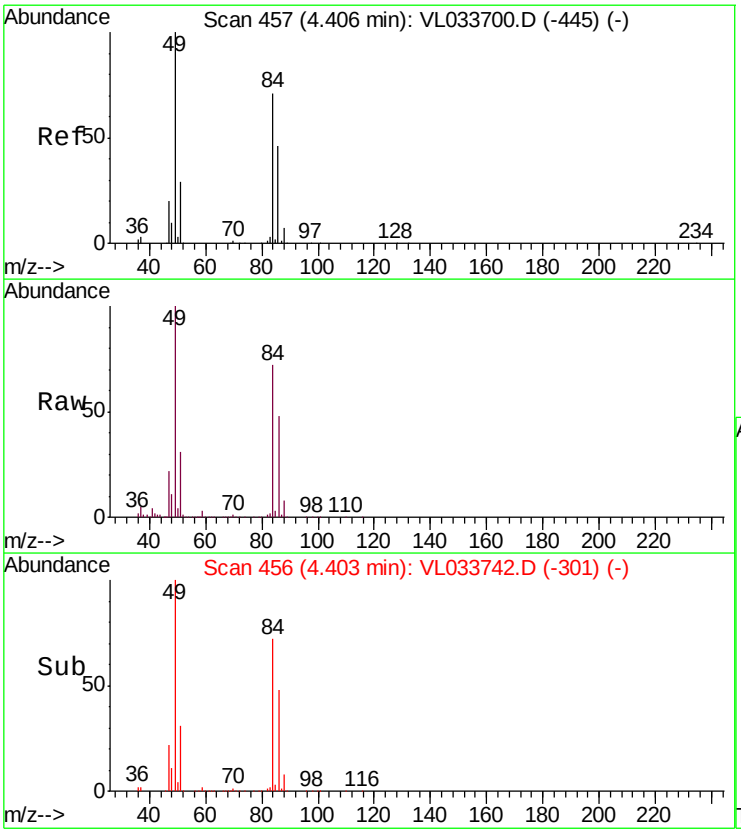

#19
Isopropyl Alcohol
Concen: 9.160 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 45 Resp: 855969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 1.9 | 1.6 | 2.4 |

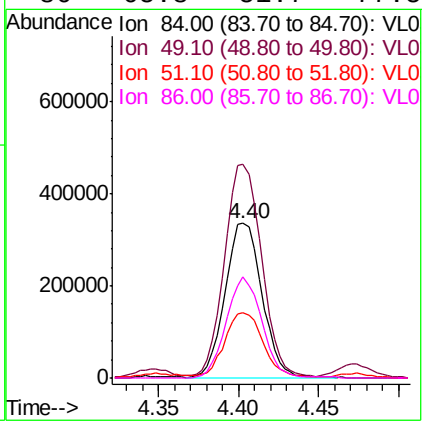


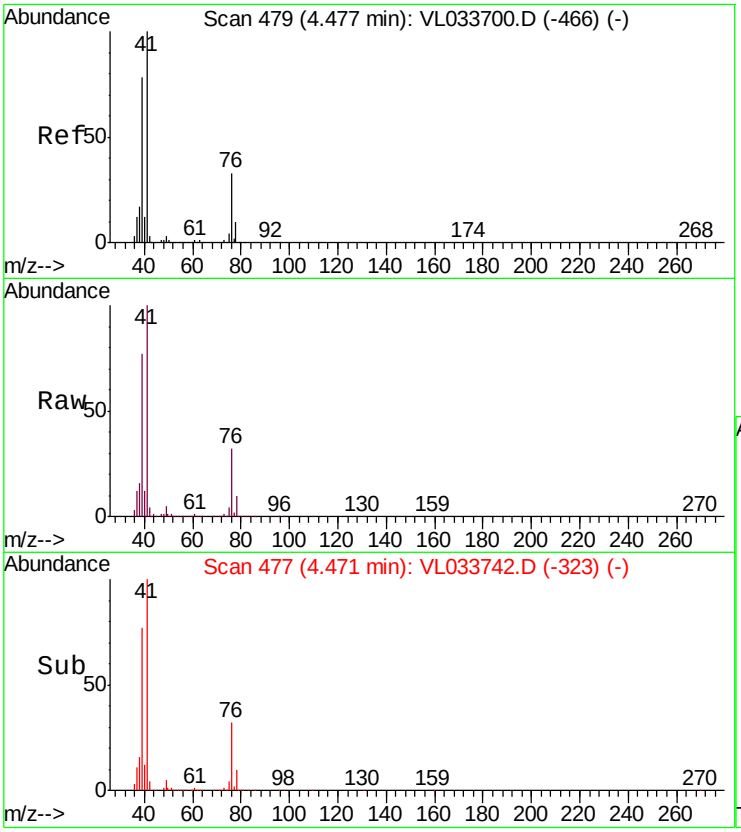




#20
Methylene Chloride
Concen: 9.395 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 84 Resp: 524253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 137.2 | 112.8 | 169.2 |
| 51 | 41.3 | 33.4 | 50.0 |
| 86 | 65.8 | 51.7 | 77.5 |



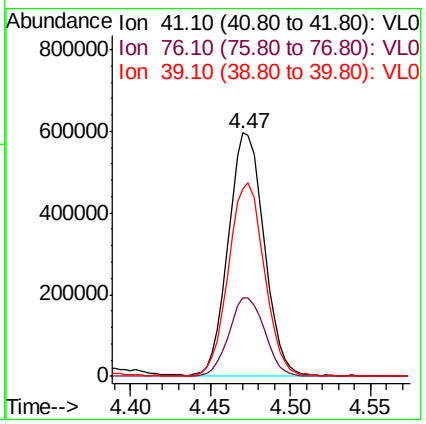


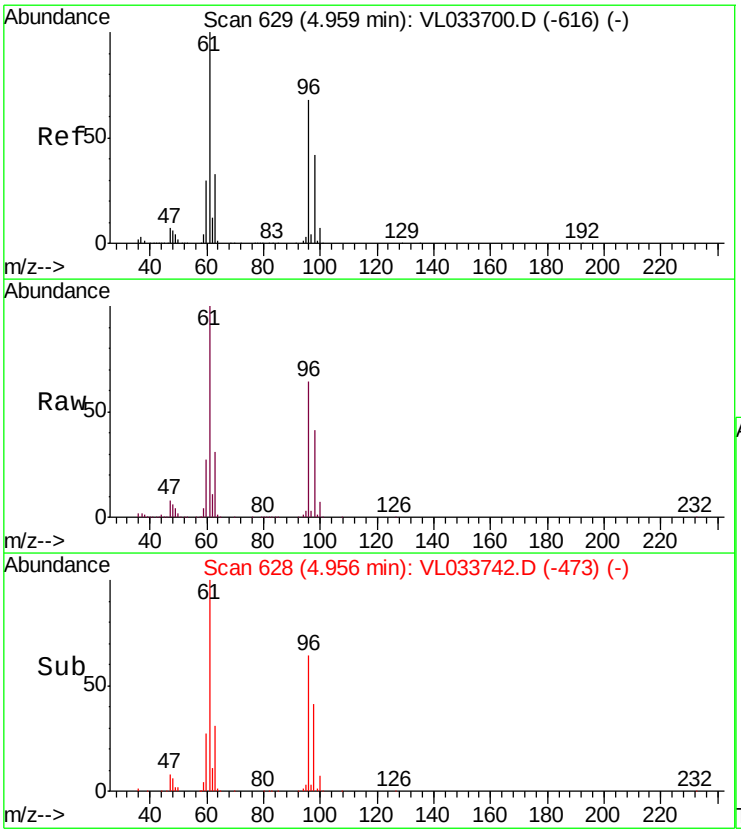

#21
Allyl Chloride
Concen: 9.978 ppbv
RT: 4.47 min Scan# 477
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 41 Resp: 901927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 32.6 | 25.9 | 38.9 |
| 39 | 79.9 | 64.6 | 97.0 |

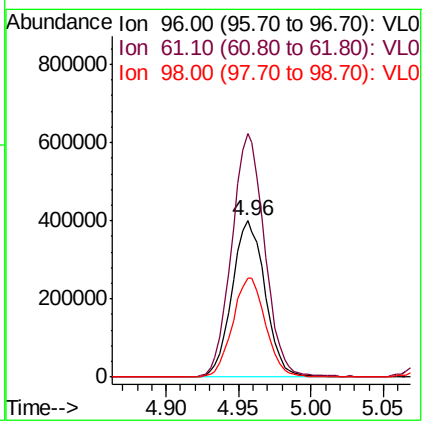


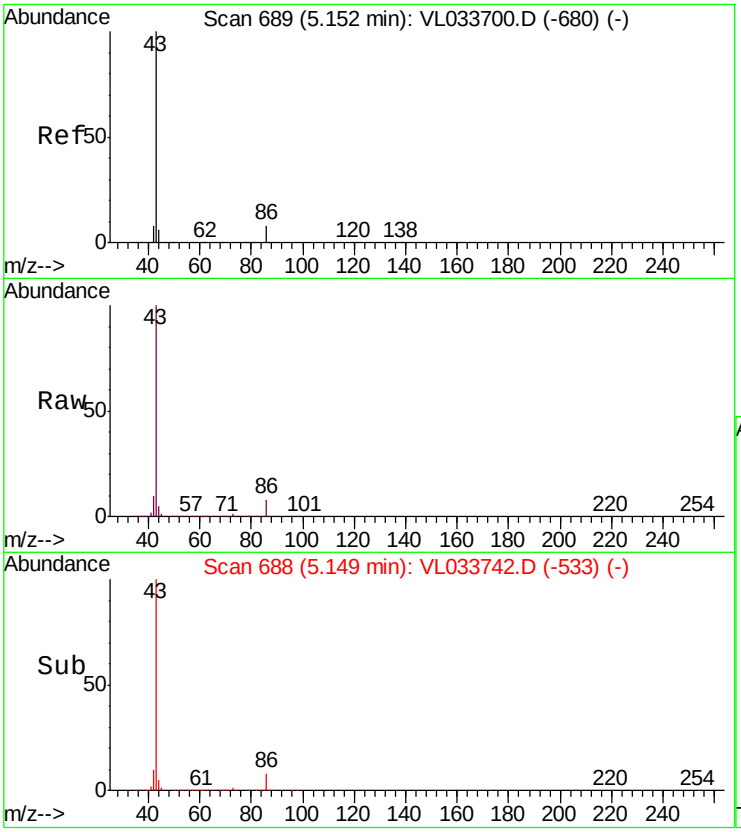




#22
trans-1,2-Dichloroethene
Concen: 10.012 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 96 Resp: 635464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.7 | 116.8 | 175.2 |
| 98 | 63.7 | 49.4 | 74.0 |



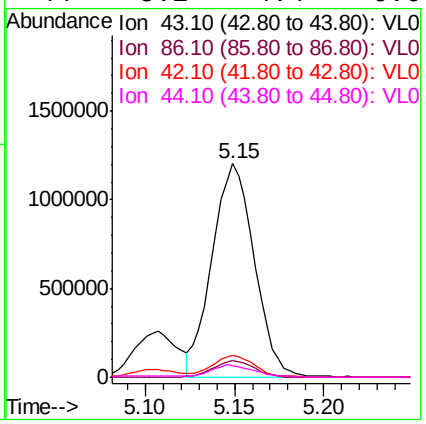


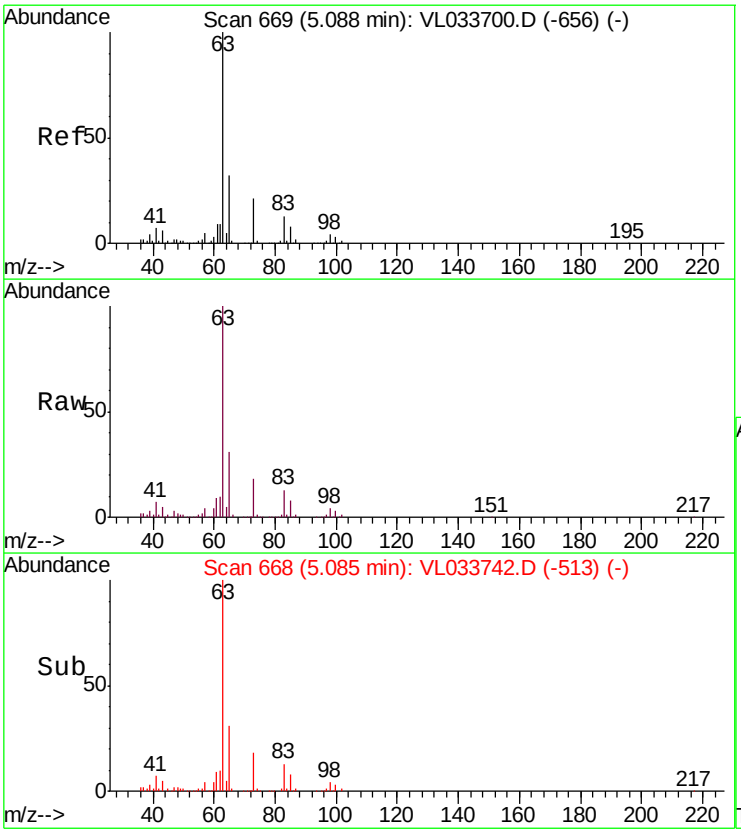

#23
Vinyl Acetate
Concen: 10.299 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 43 Resp: 1967908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 7.9 | 6.0 | 9.0 |
| 42 | 9.9 | 7.5 | 11.3 |
| 44 | 5.2 | 4.4 | 6.6 |

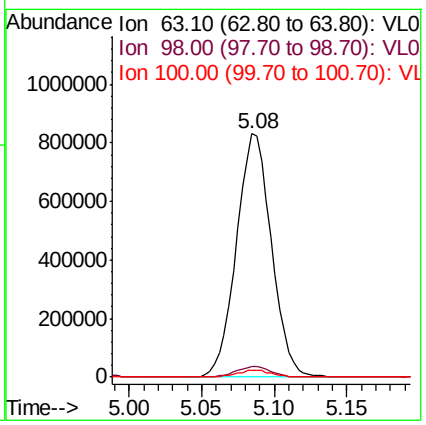


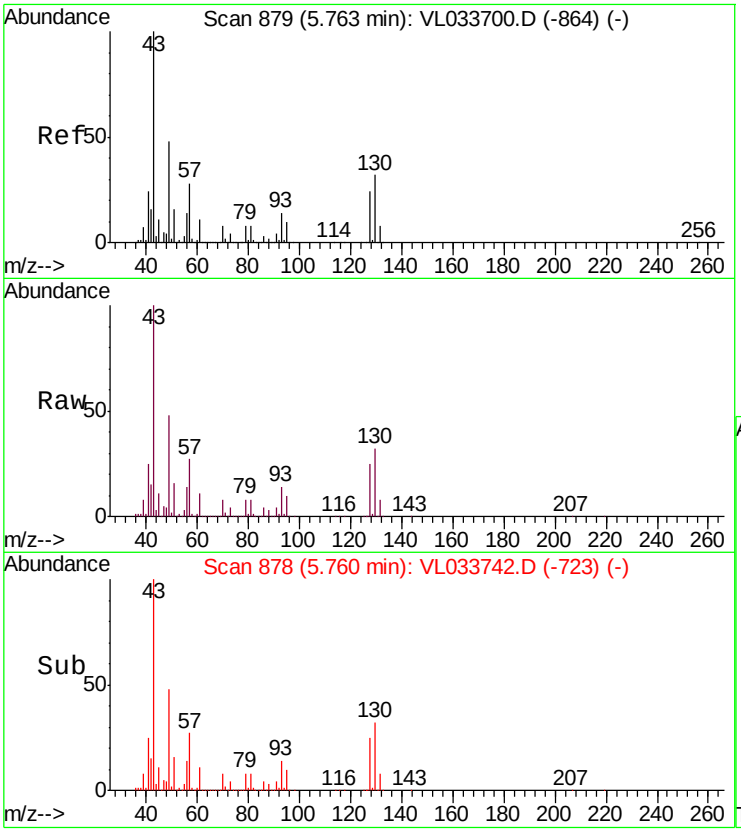




#24
1,1-Dichloroethane
Concen: 9.582 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 63 Resp: 1391862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.4 | 1.8 | 5.5 |
| 100 | 2.7 | 1.4 | 4.2 |



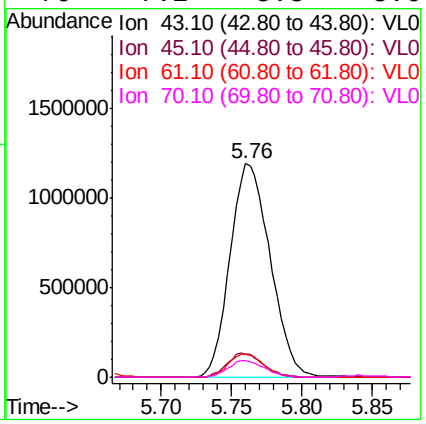


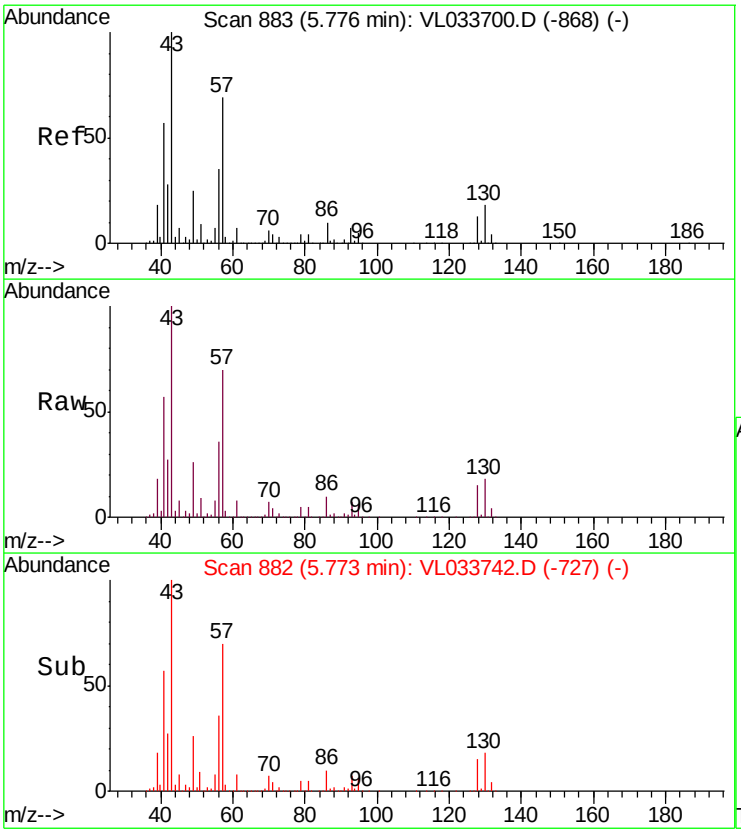

#25
Ethyl Acetate
Concen: 9.332 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 43 Resp: 2375757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 10.2 | 7.9 | 11.9 |
| 61 | 9.7 | 7.7 | 11.5 |
| 70 | 7.2 | 5.8 | 8.6 |

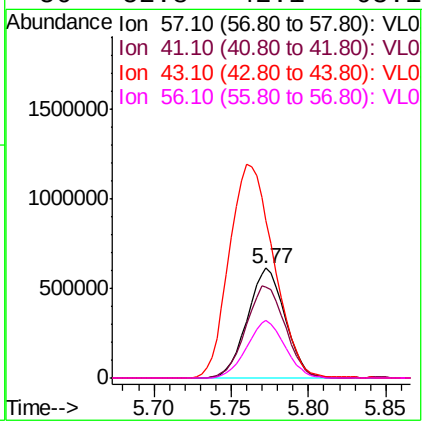


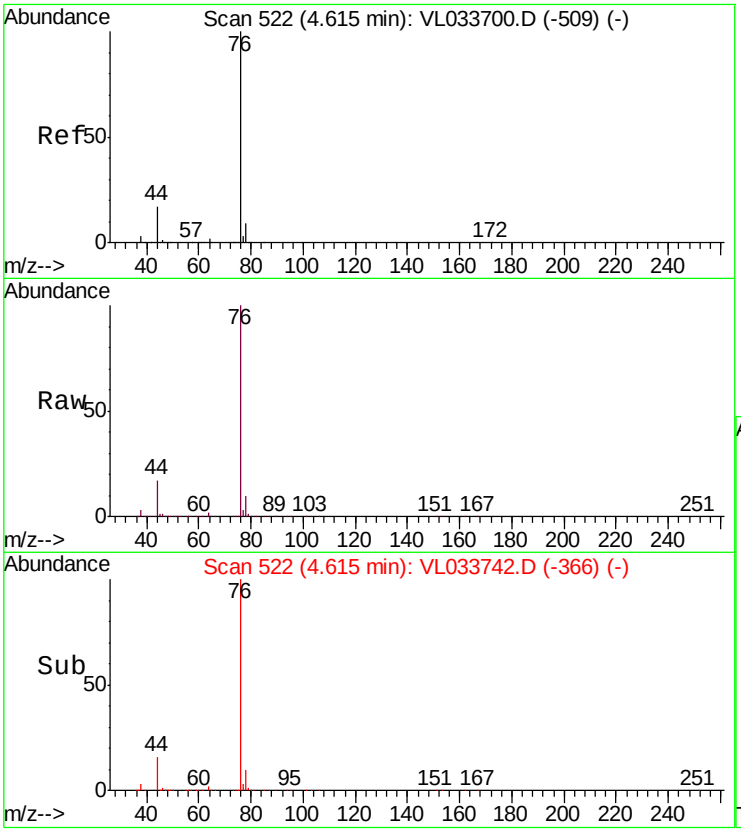




#26
Hexane
Concen: 9.505 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 57 Resp: 1040276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 87.6 | 69.8 | 104.6 |
| 43 | 229.3 | 181.8 | 272.6 |
| 56 | 52.8 | 42.1 | 63.1 |



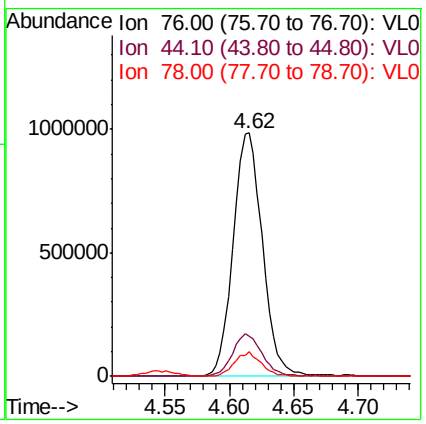


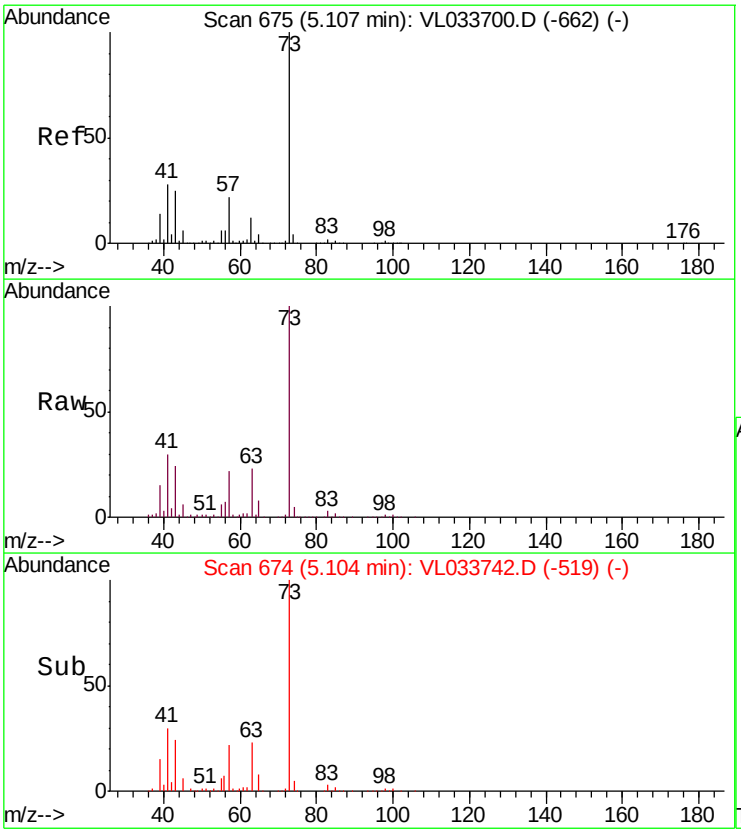

#27
Carbon Disulfide
Concen: 10.372 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 76 Resp: 1557448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 17.2 | 13.8 | 20.8 |
| 78 | 9.2 | 7.4 | 11.0 |

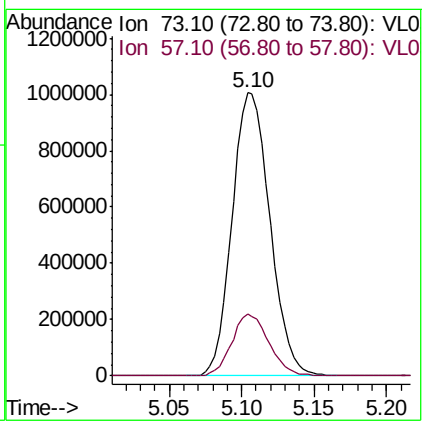


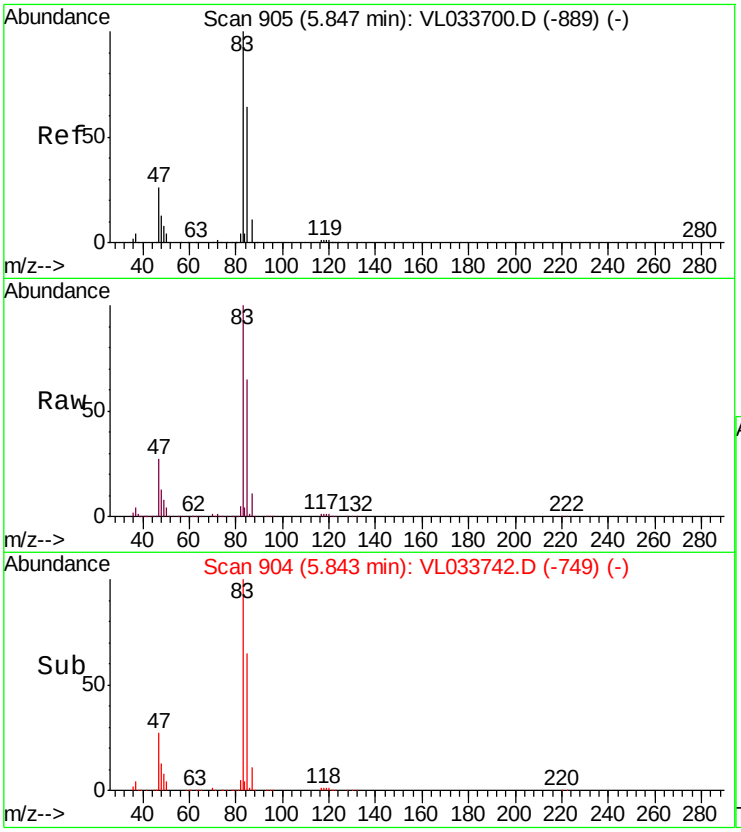




#28
Methyl tert-Butyl Ether
Concen: 10.213 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 73 Resp: 1822122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.2 |



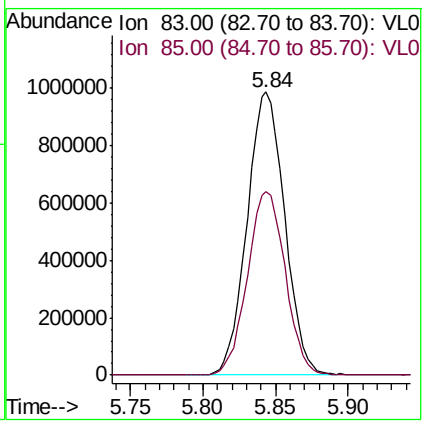


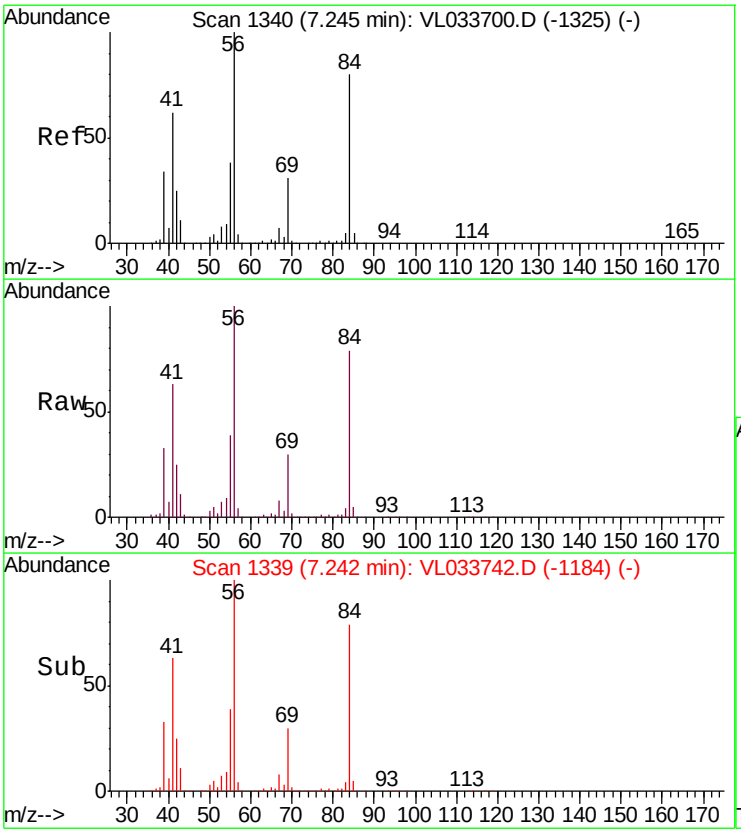

#29
Chloroform
Concen: 8.867 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 83 Resp: 1787544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.5 | 77.3 |

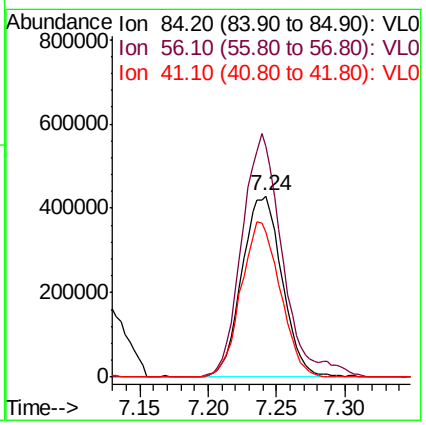


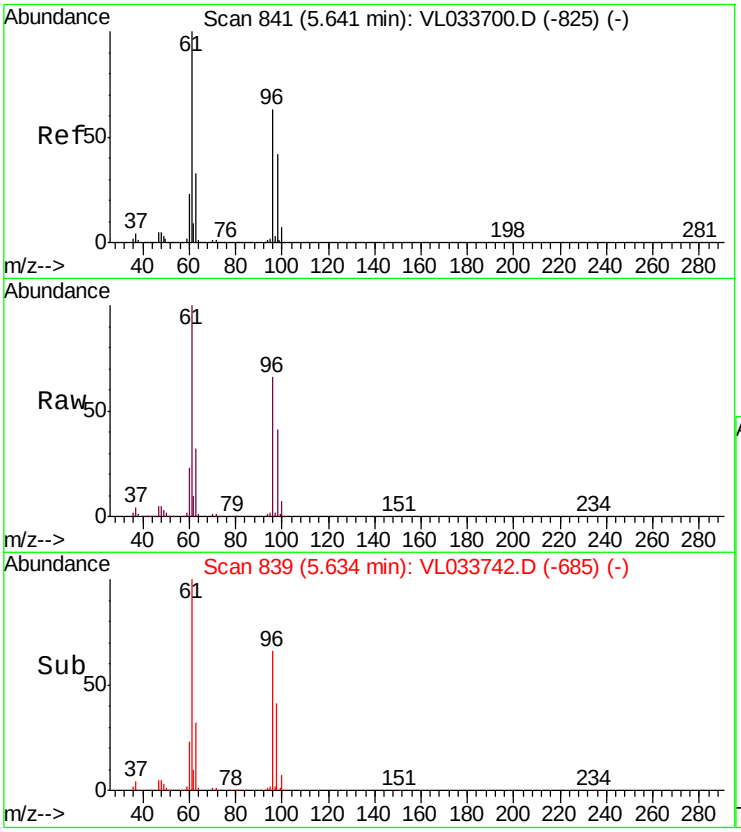




#30
Cyclohexane
Concen: 9.549 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 84 Resp: 878610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 135.9 | 107.7 | 161.5 |
| 41 | 83.5 | 66.0 | 99.0 |



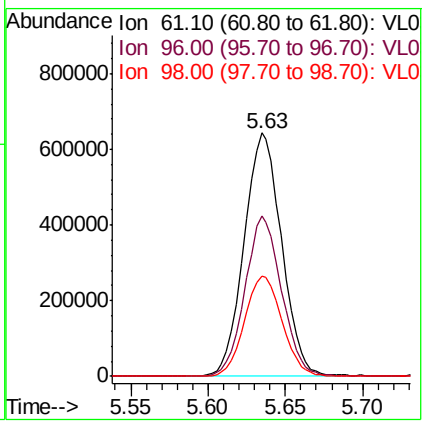


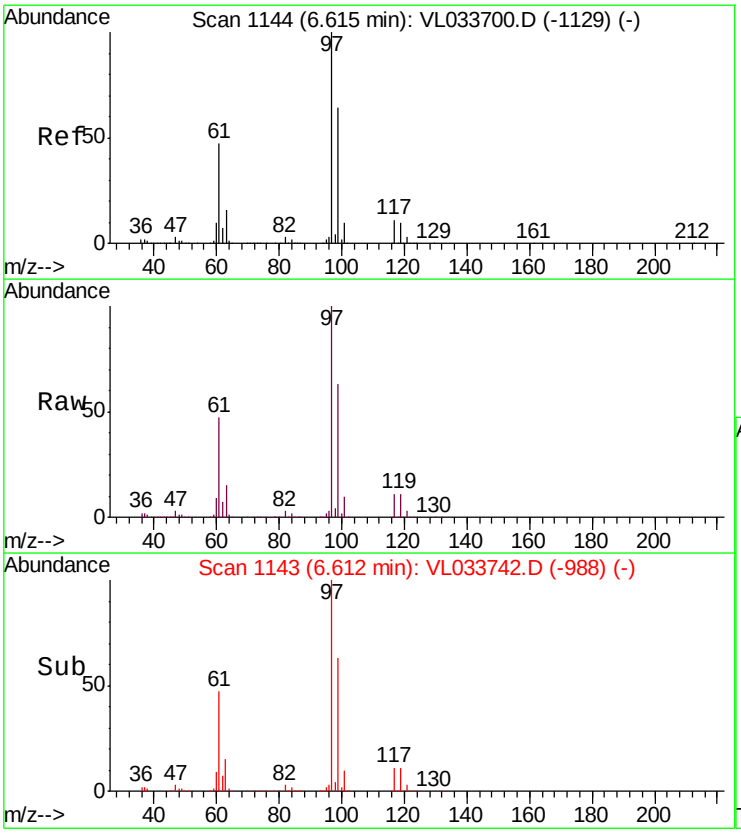

#31
cis-1,2-Dichloroethene
Concen: 10.007 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 61 Resp: 1085908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 65.6 | 50.8 | 76.2 |
| 98 | 40.9 | 33.3 | 49.9 |

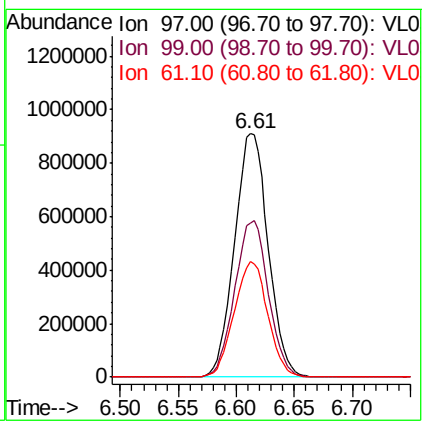


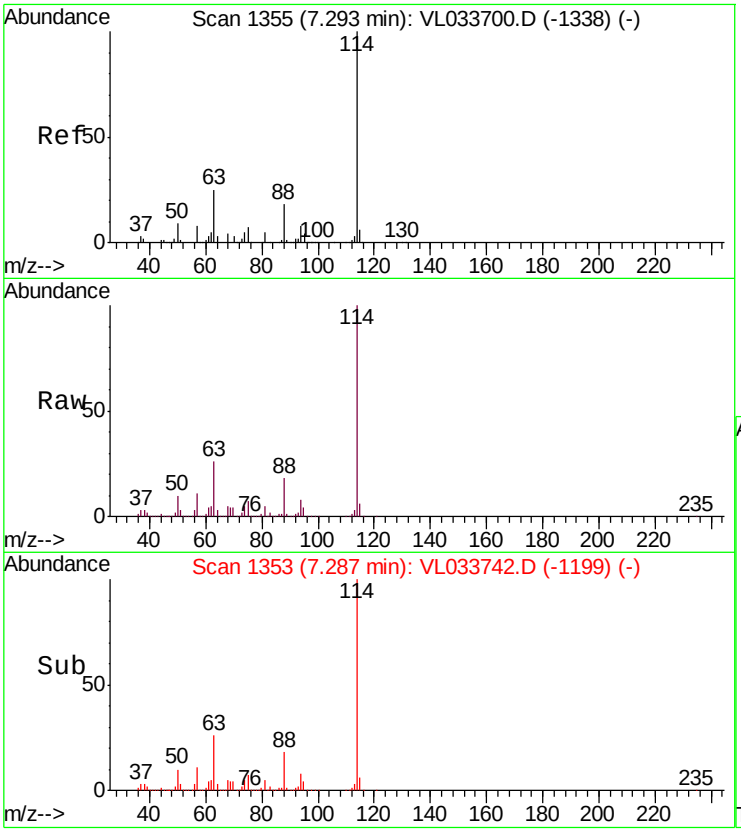




#32
1,1,1-Trichloroethane
Concen: 9.110 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 97 Resp: 1833856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.2 | 51.5 | 77.3 |
| 61 | 47.7 | 37.8 | 56.8 |



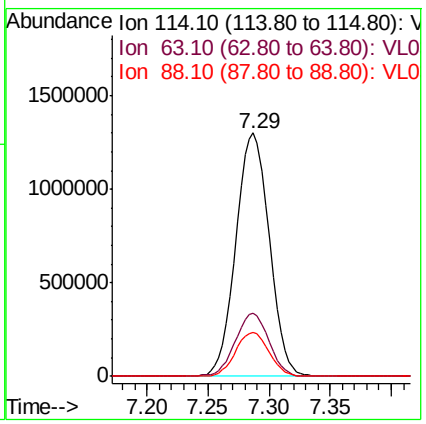


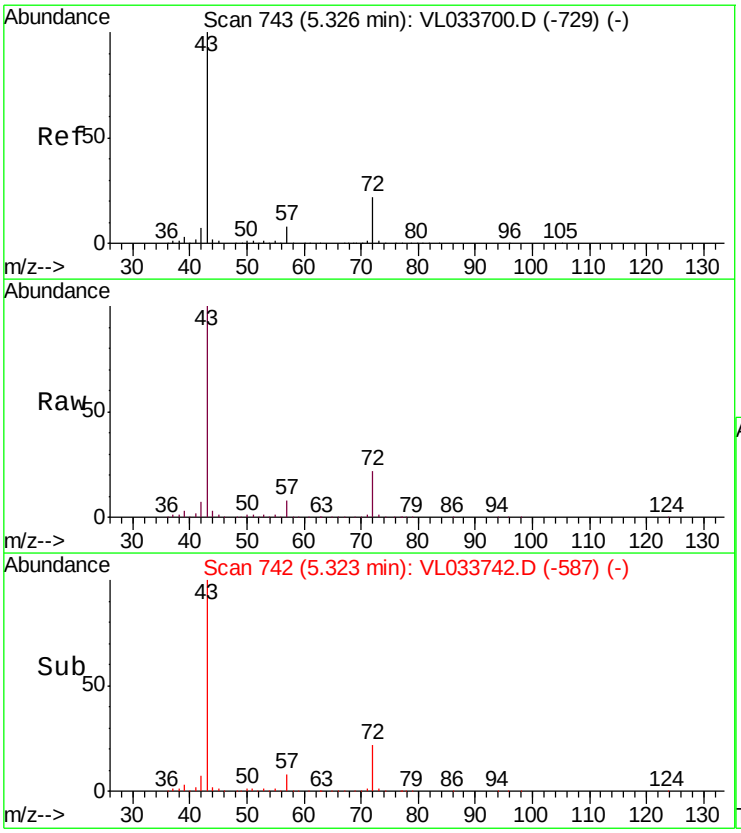

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:114 Resp: 2457484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 26.5 | 20.9 | 31.3 |
| 88 | 18.1 | 14.3 | 21.5 |

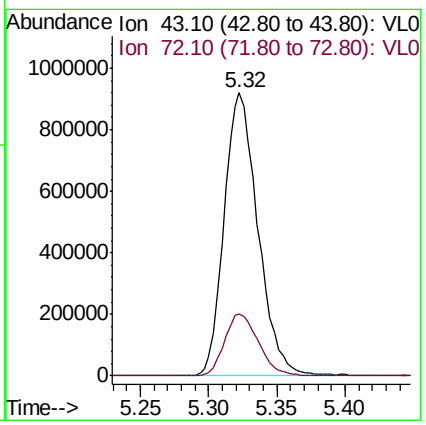


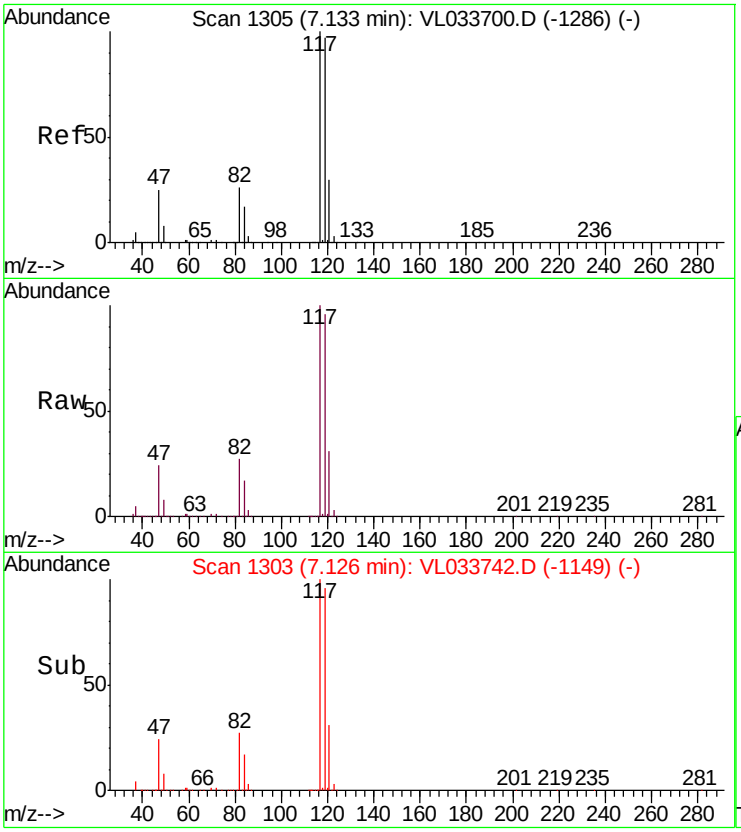




#34
2-Butanone
Concen: 10.329 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 43 Resp: 1573311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.2 | 17.8 | 26.6 |



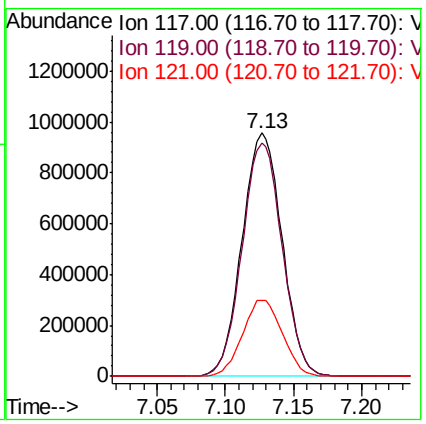


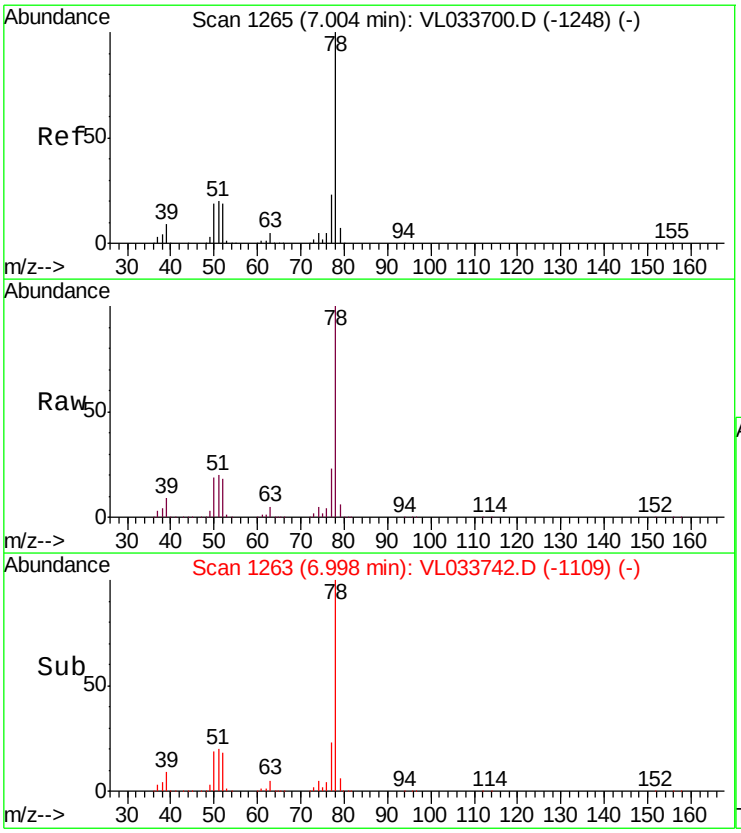

#35
Carbon Tetrachloride
Concen: 9.908 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:117 Resp: 1950413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 77.2 | 115.8 |
| 121 | 31.2 | 24.1 | 36.1 |

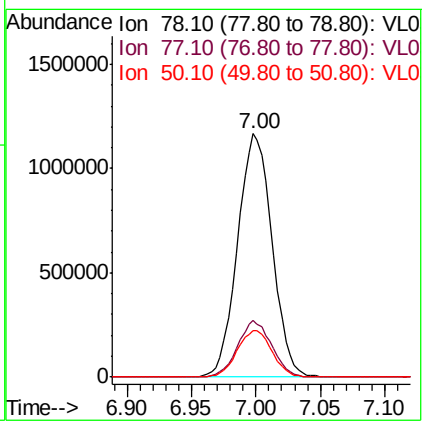


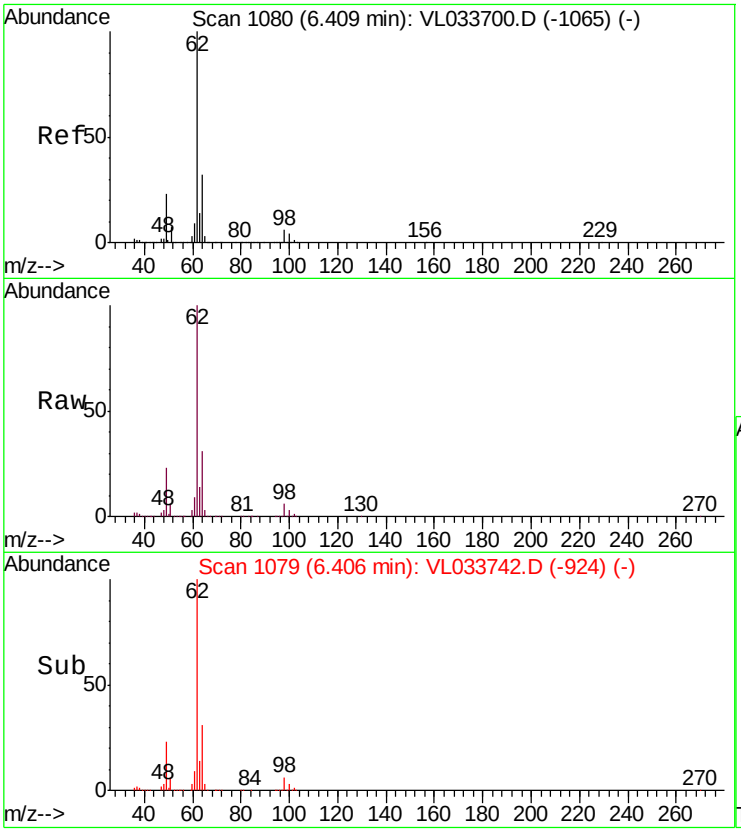




#36
Benzene
Concen: 9.730 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 78 Resp: 2175061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 18.4 | 27.6 |
| 50 | 18.9 | 15.5 | 23.3 |



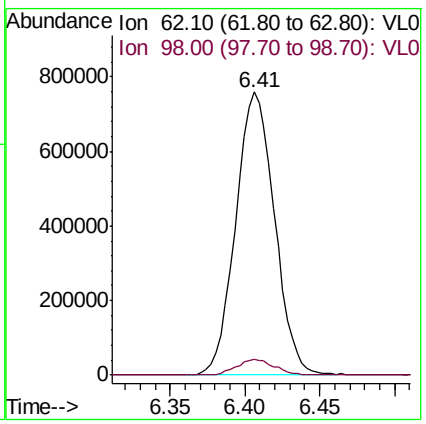


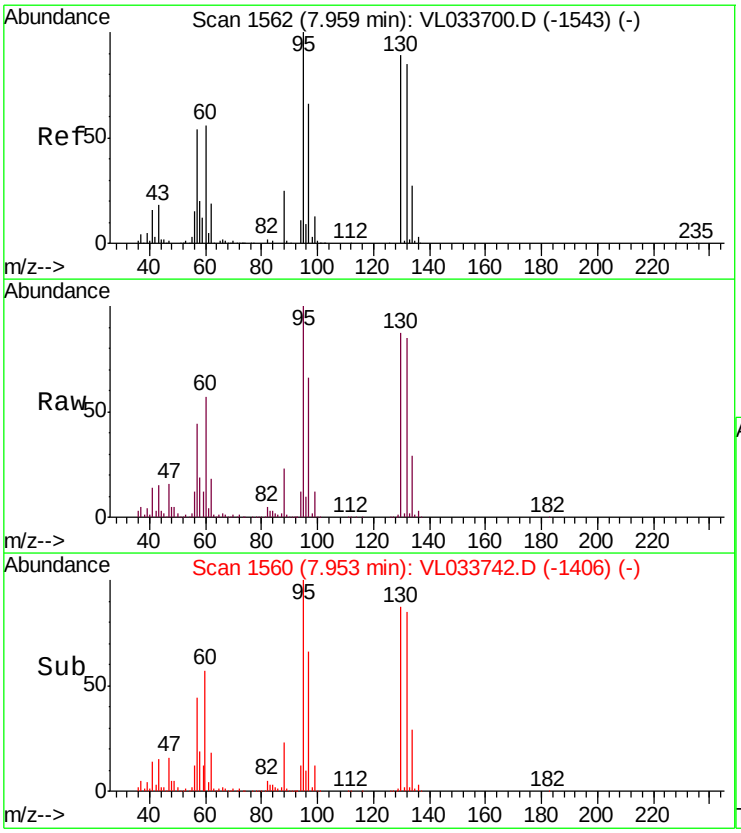

#37
1,2-Dichloroethane
Concen: 9.519 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 62 Resp: 1372698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 5.5 | 4.5 | 6.7 |

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

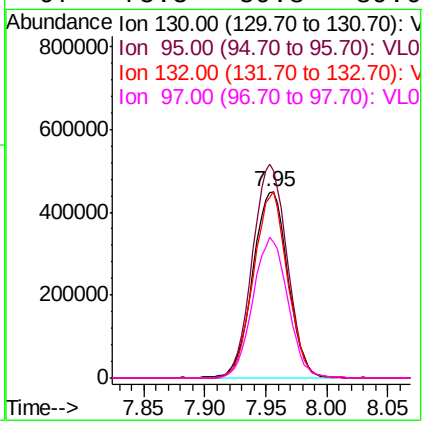


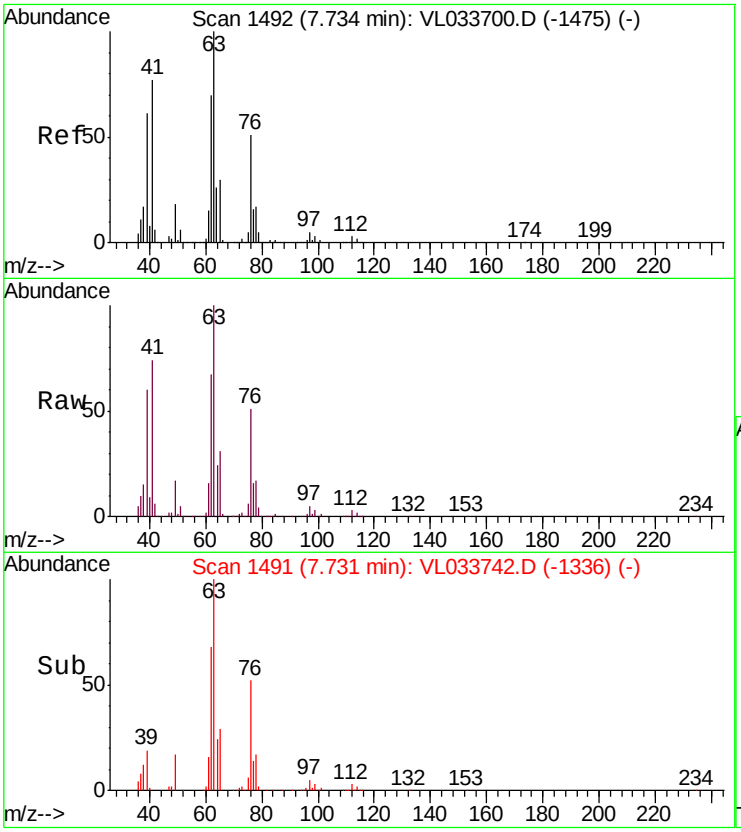




#38
Trichloroethene
Concen: 10.779 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:130 Resp: 894083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 114.8 | 90.2 | 135.4 |
| 132 | 97.2 | 76.4 | 114.6 |
| 97 | 75.5 | 59.8 | 89.6 |



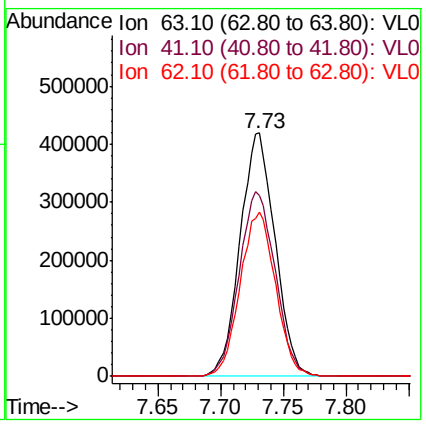


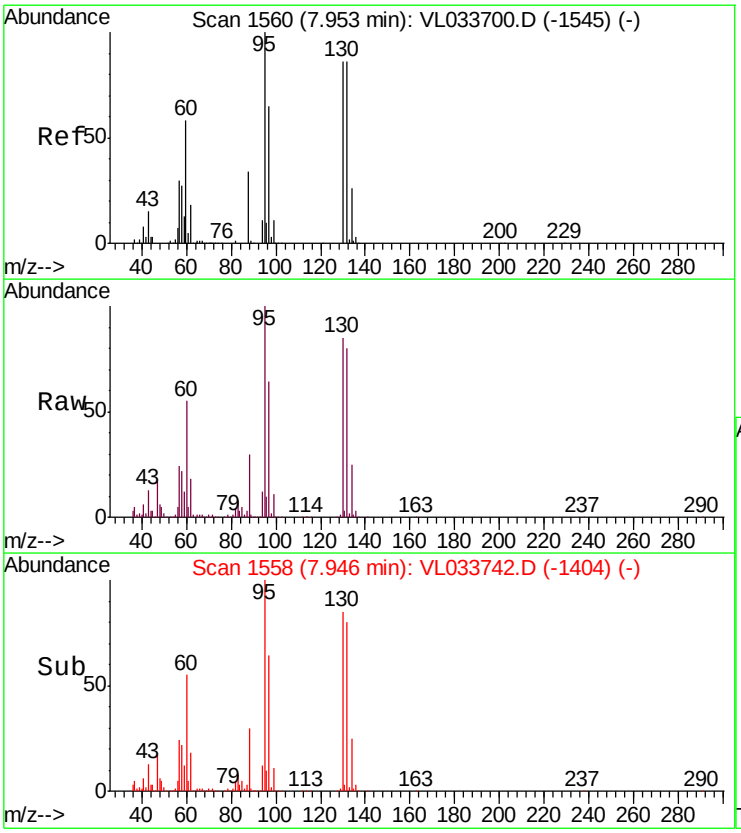

#39
1,2-Dichloropropane
Concen: 9.747 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 63 Resp: 812395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 74.4 | 61.5 | 92.3 |
| 62 | 67.4 | 56.2 | 84.4 |

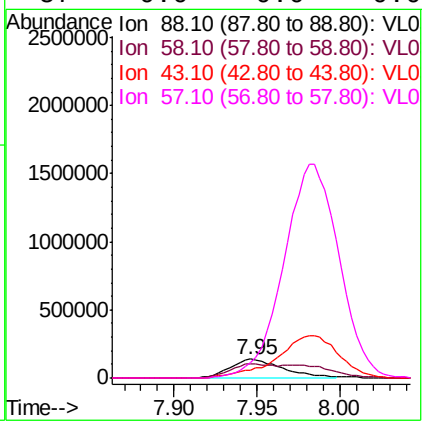


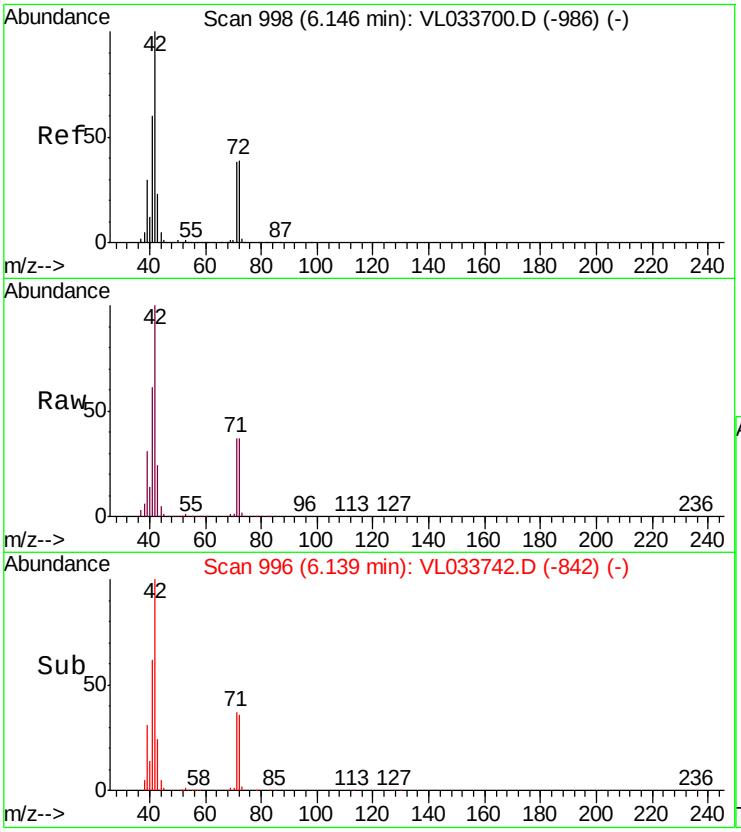




#40
1,4-Dioxane
Concen: 8.511 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 88 Resp: 296745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 133.3 | 101.8 | 152.6 |
| 43 | 0.0 | 0.0 | 0.0 |
| 57 | 0.0 | 0.0 | 0.0 |



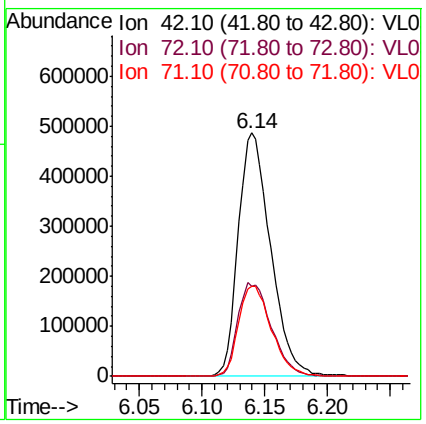


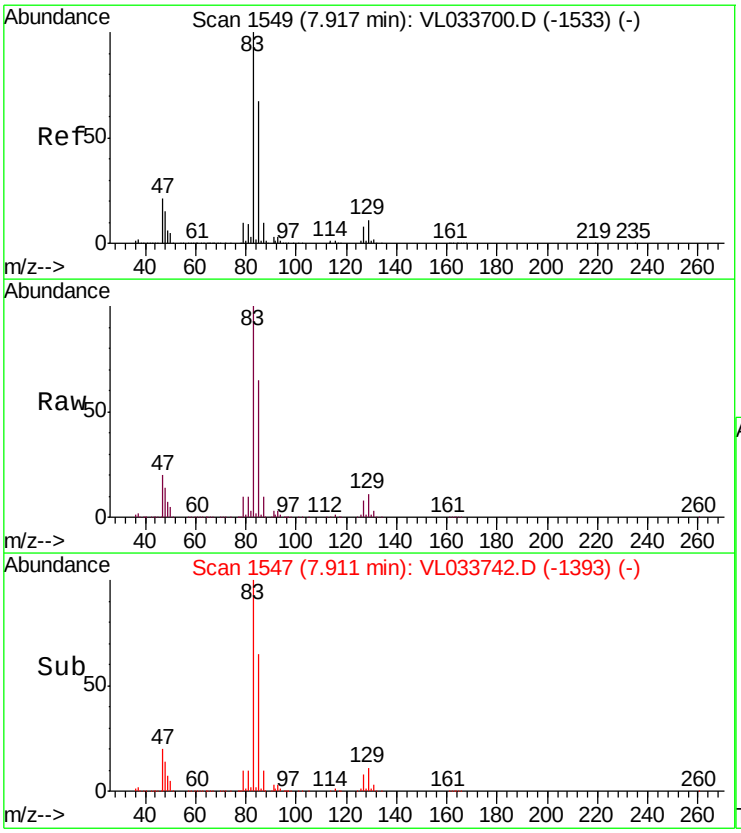

#41
Tetrahydrofuran
Concen: 10.222 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 42 Resp: 872426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.1 | 32.0 | 48.0 |
| 71 | 37.9 | 30.4 | 45.6 |

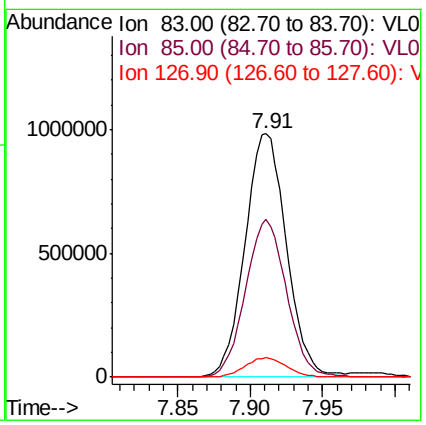


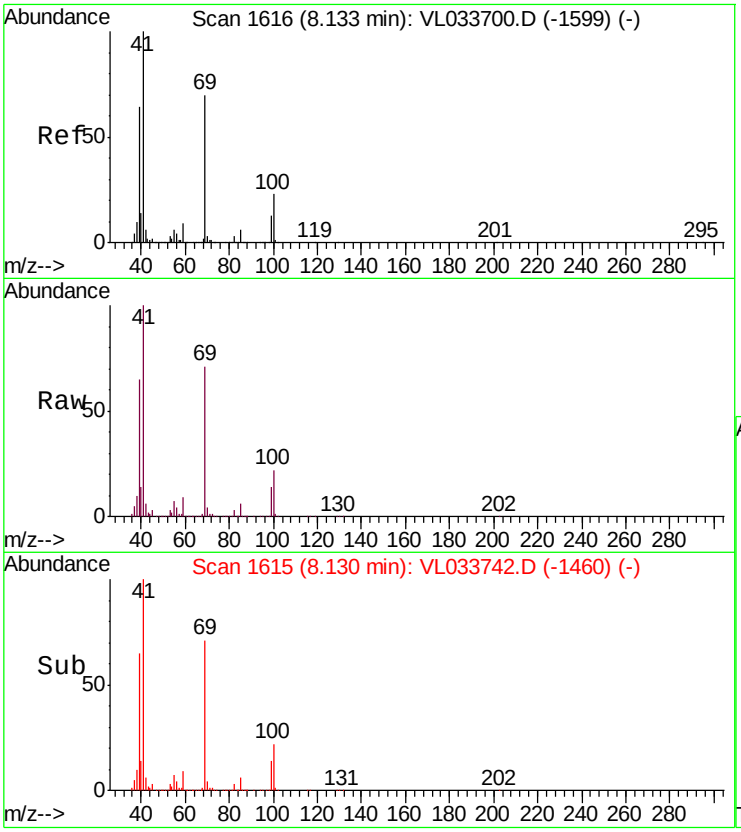




#42
Bromodichloromethane
Concen: 9.913 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 83 Resp: 1956999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 53.3 | 79.9 |
| 127 | 7.9 | 6.5 | 9.7 |



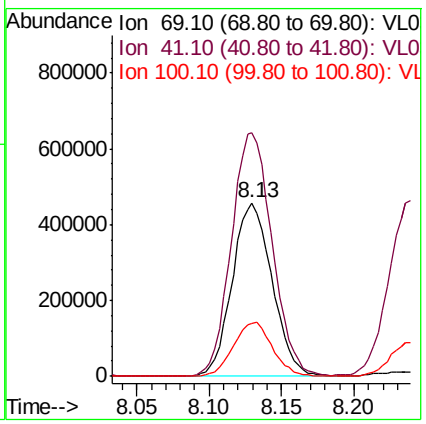


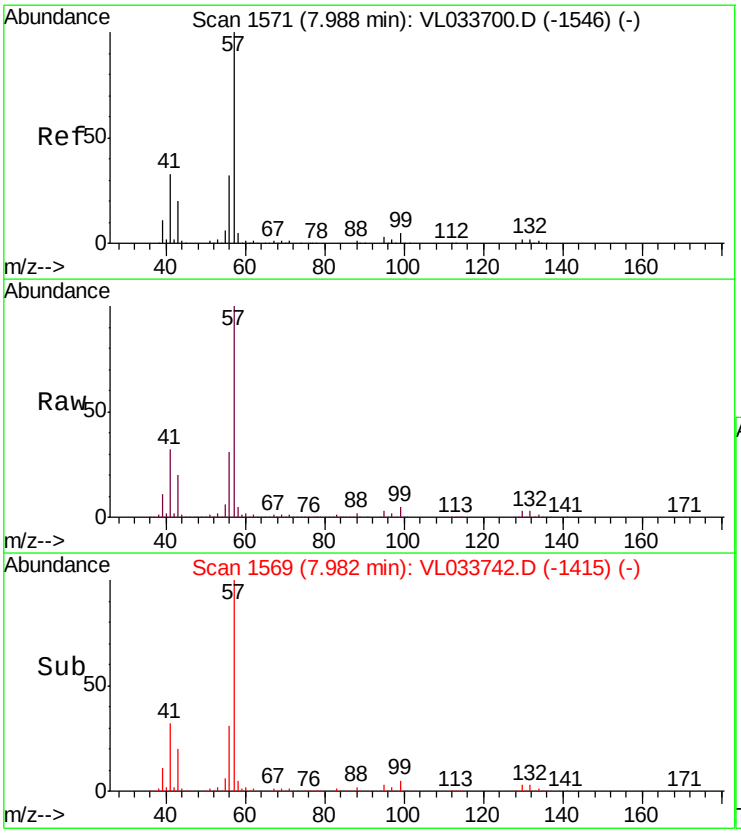

#43
Methyl Methacrylate
Concen: 10.638 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 69 Resp: 875194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 143.3 | 116.3 | 174.5 |
| 100 | 30.6 | 25.3 | 37.9 |

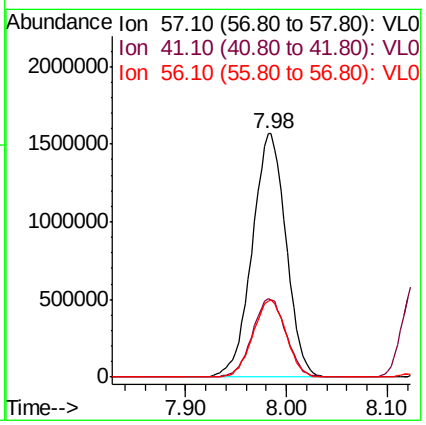


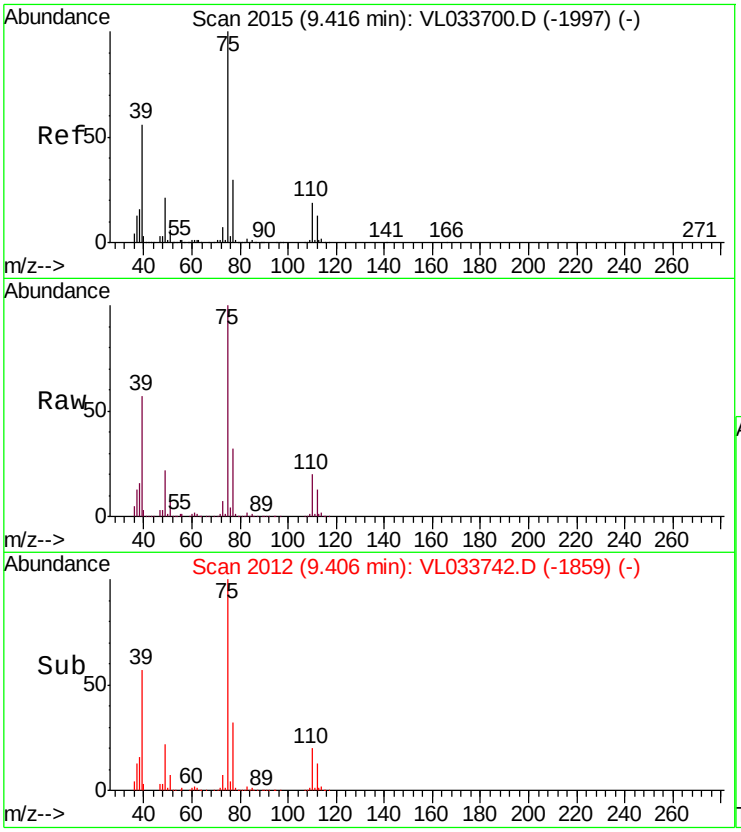




#44
2,2,4-Trimethylpentane
Concen: 9.657 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 57 Resp: 3648560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 32.0 | 25.4 | 38.0 |
| 56 | 31.1 | 24.7 | 37.1 |



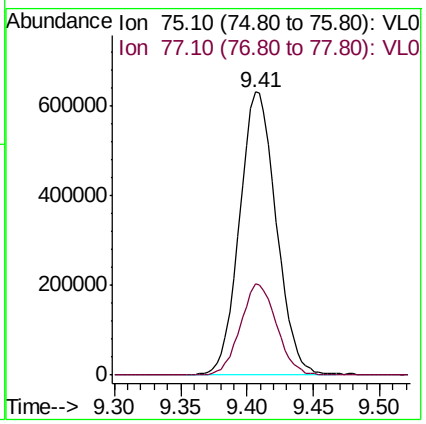


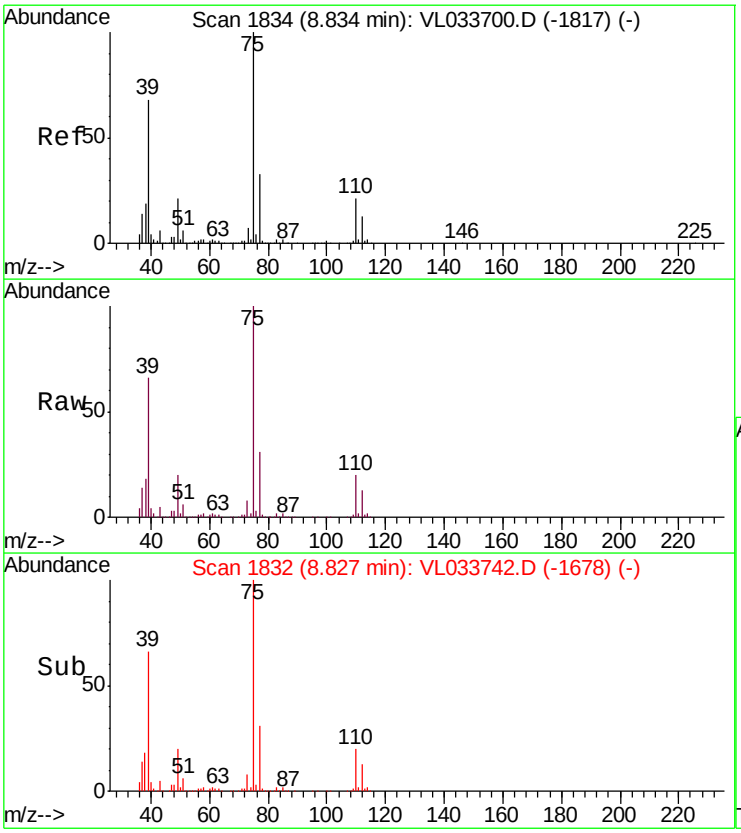

#45
t-1,3-Dichloropropene
Concen: 11.646 ppbv
RT: 9.41 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 75 Resp: 1214615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.4 | 36.6 |

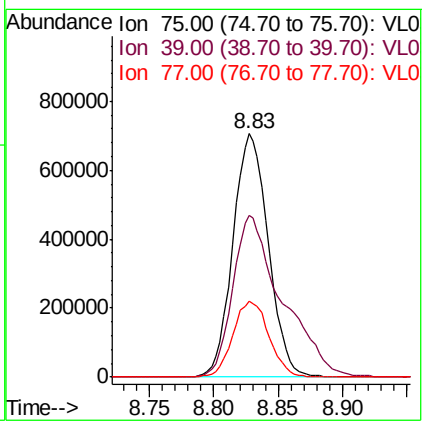


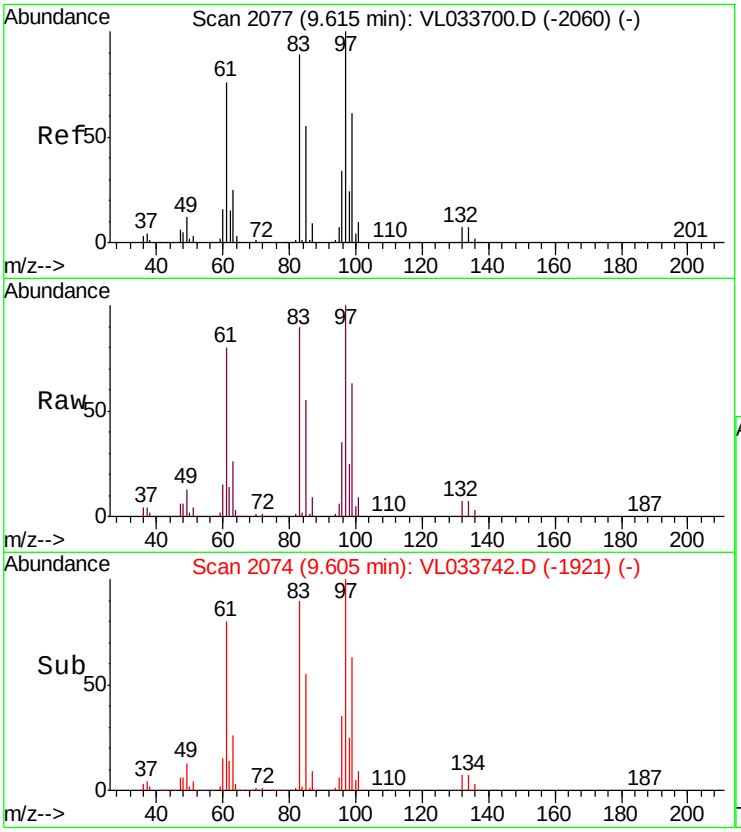




#46
cis-1,3-Dichloropropene
Concen: 11.016 ppbv
RT: 8.83 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 75 Resp: 1345265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 66.3 | 54.4 | 81.6 |
| 77 | 31.3 | 26.6 | 39.8 |



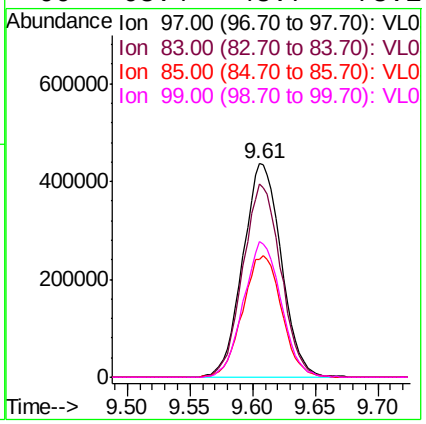


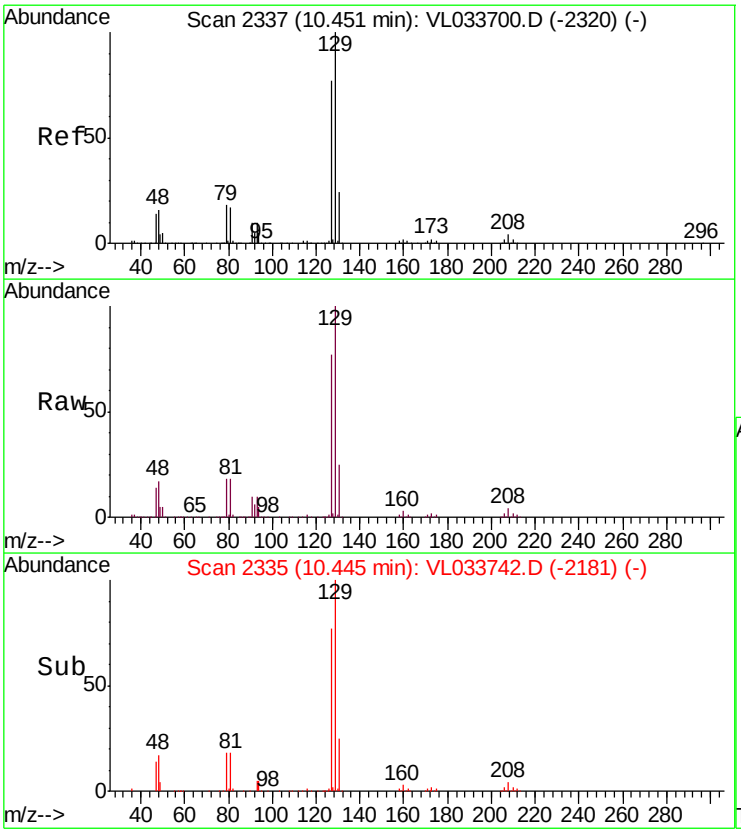

#47
1,1,2-Trichloroethane
Concen: 9.814 ppbv
RT: 9.61 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 97 Resp: 929230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.2 | 70.8 | 106.2 |
| 85 | 55.0 | 43.7 | 65.5 |
| 99 | 63.4 | 48.7 | 73.1 |

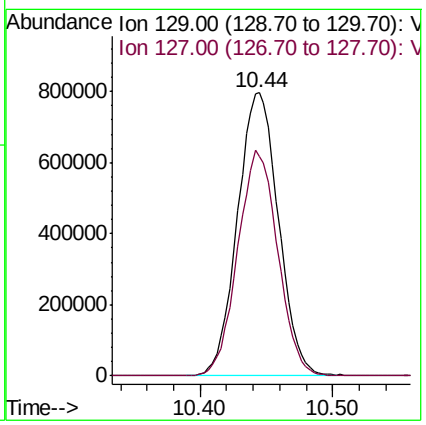


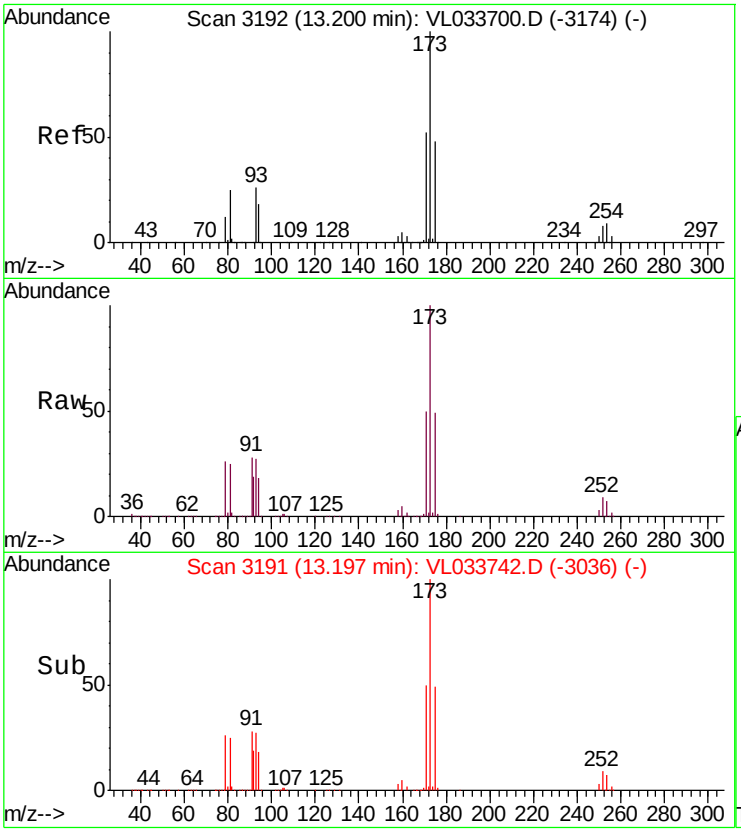




#48
Dibromochloromethane
Concen: 10.431 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:129 Resp: 1711289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 38.6 | 116.0 |



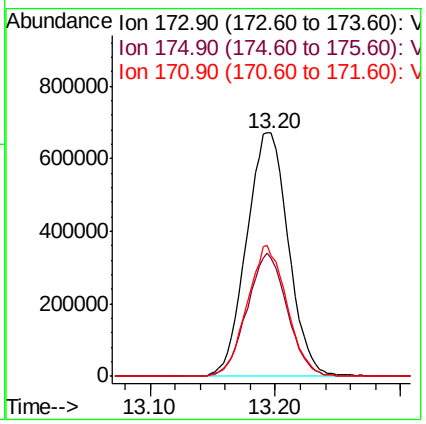


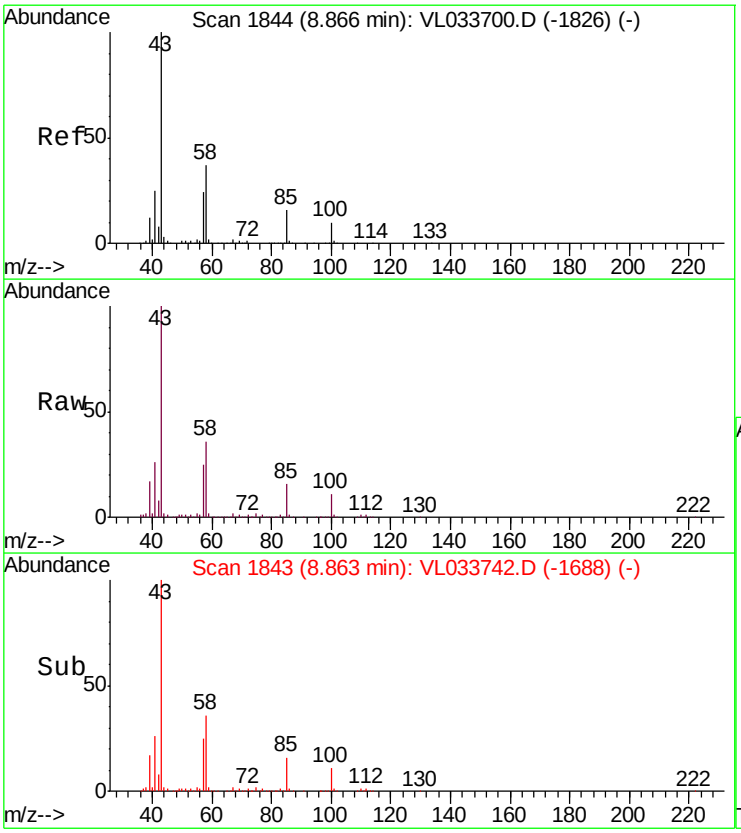

#49
Bromoform
Concen: 11.276 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion:173 Resp: 1556498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 38.6 | 58.0 |
| 171 | 51.4 | 41.5 | 62.3 |

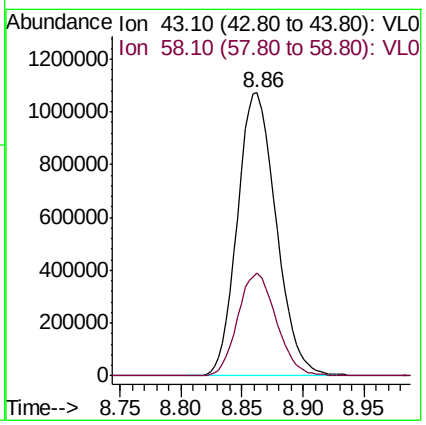


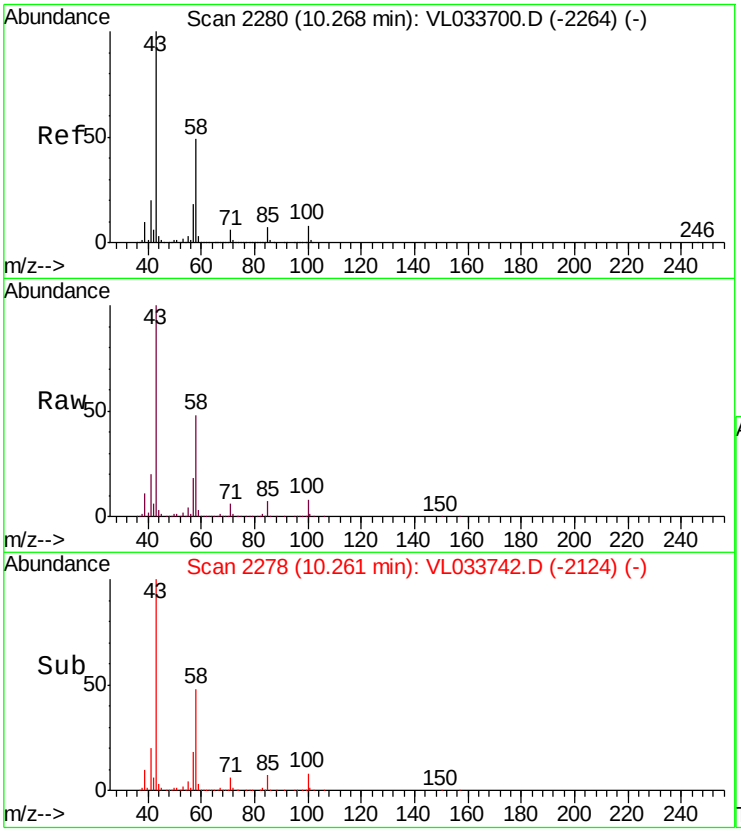




#50
4-Methyl-2-Pentanone
Concen: 10.061 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 43 Resp: 2357211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.2 | 28.6 | 43.0 |



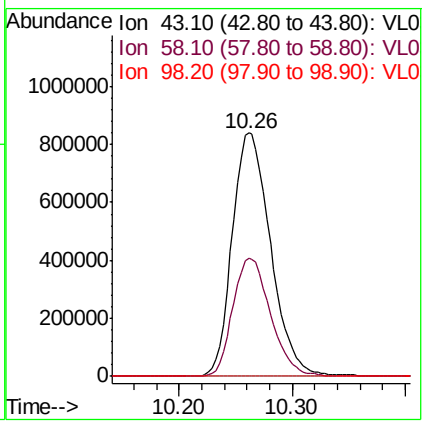


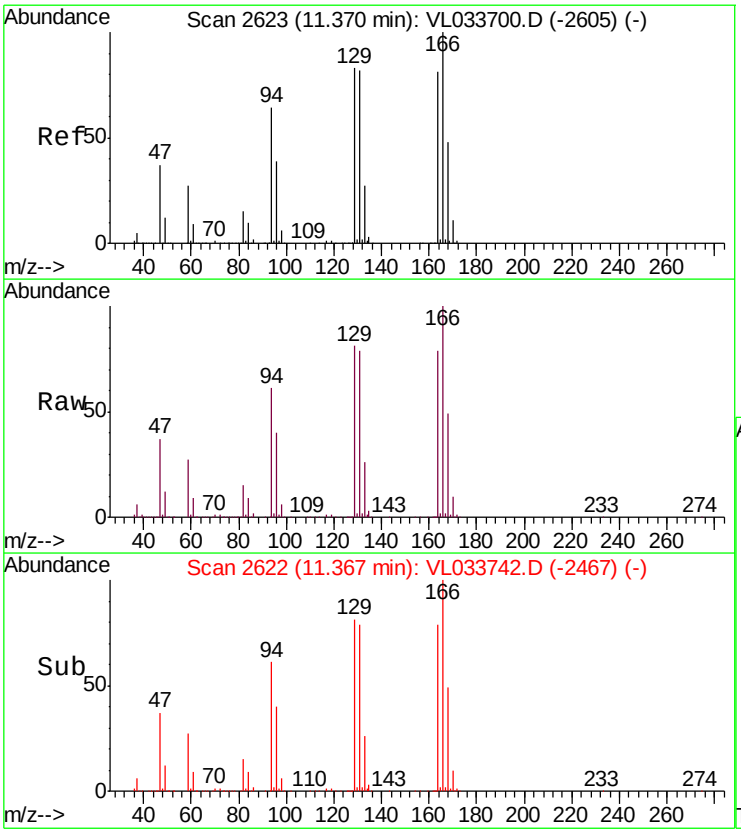

#51
2-Hexanone
Concen: 10.823 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 43 Resp: 1979184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.0 | 38.7 | 58.1 |
| 98 | 0.4 | 0.2 | 0.4# |

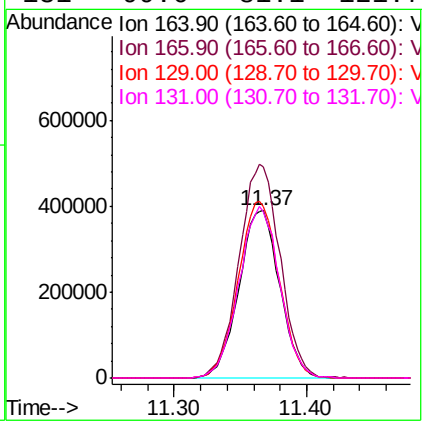


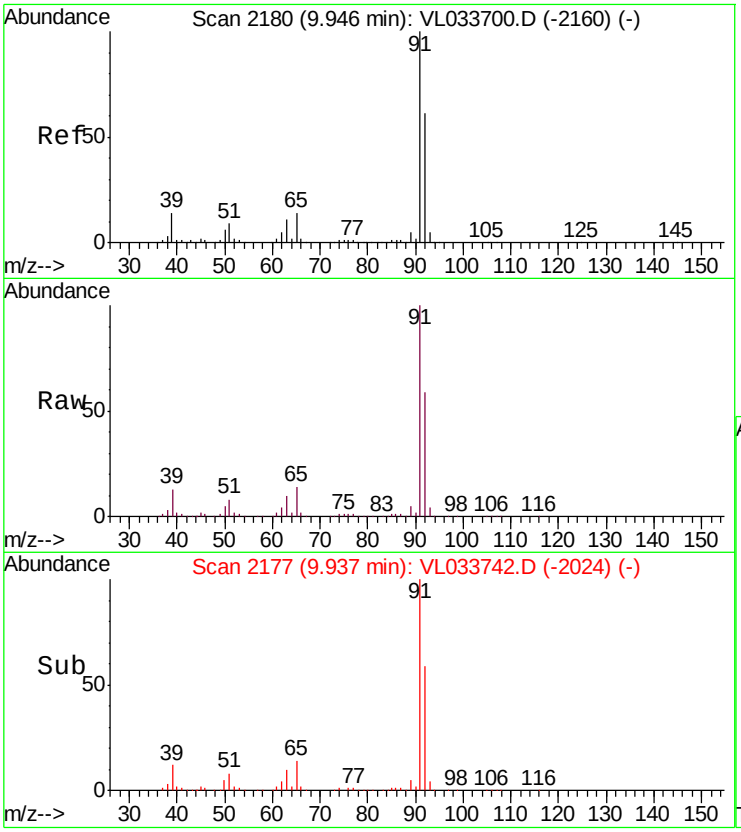




#52
Tetrachloroethene
Concen: 10.611 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:164 Resp: 833853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.3 | 98.9 | 148.3 |
| 129 | 102.6 | 81.8 | 122.6 |
| 131 | 99.6 | 81.1 | 121.7 |



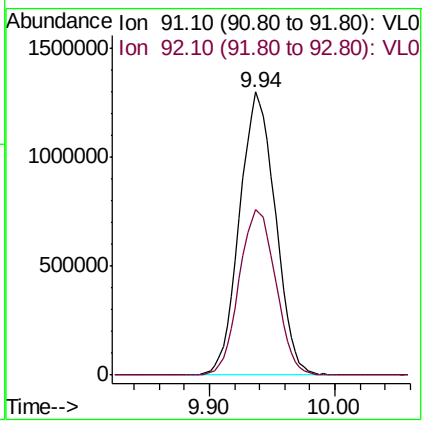


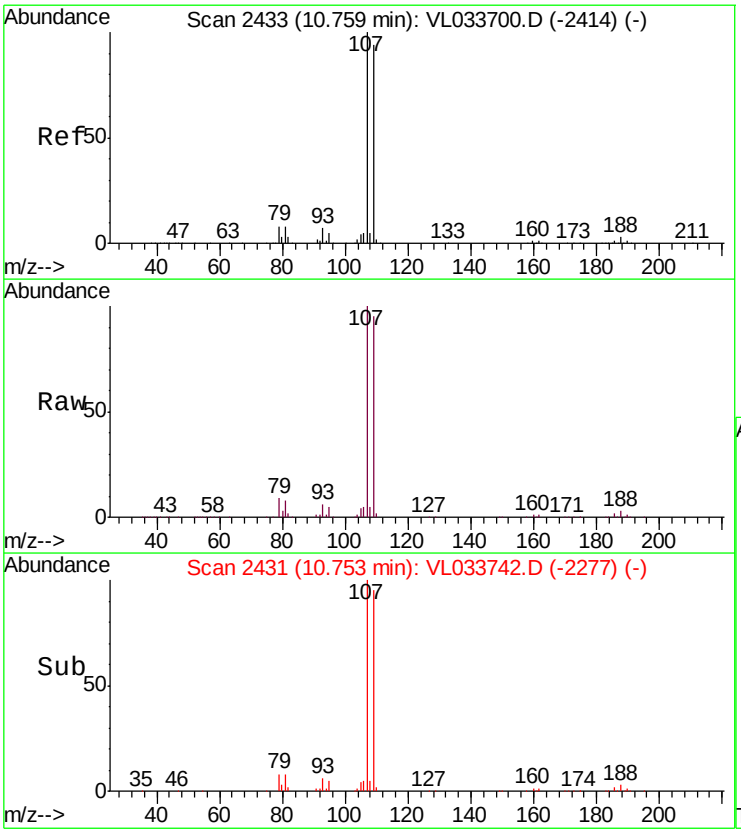

#53
Toluene
Concen: 10.718 ppbv
RT: 9.94 min Scan# 2177
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 91 Resp: 2584153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.8 | 47.6 | 71.4 |

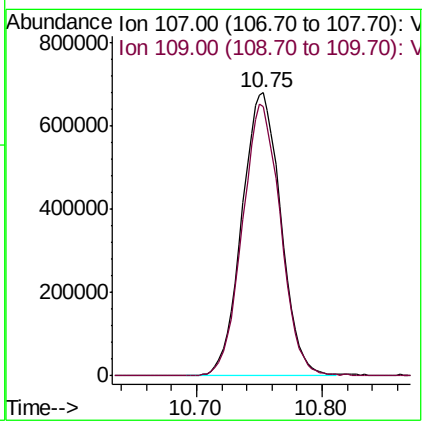


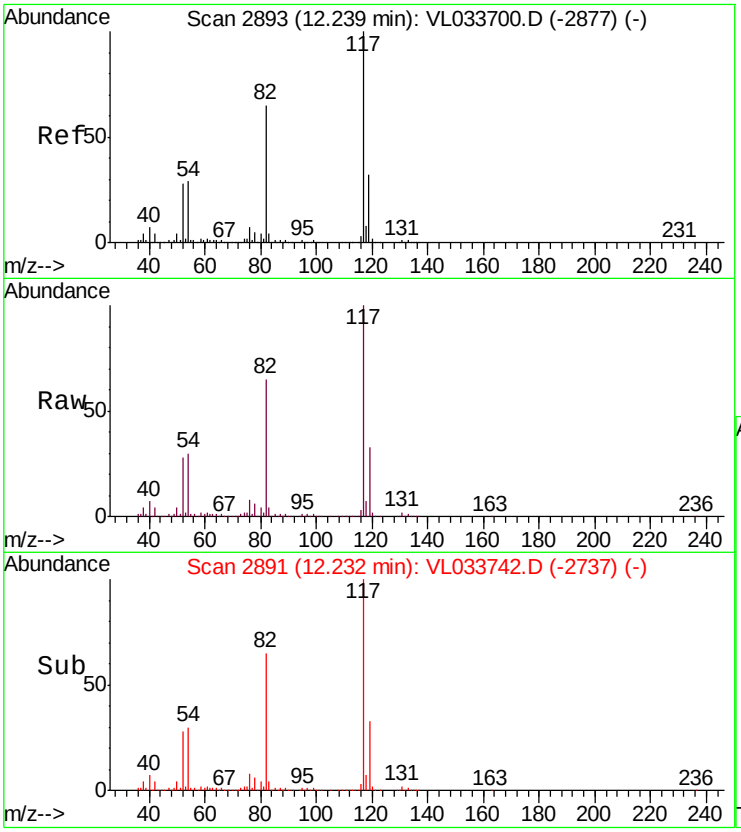




#54
1,2-Dibromoethane
Concen: 10.148 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:107 Resp: 1466295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.3 | 75.2 | 112.8 |



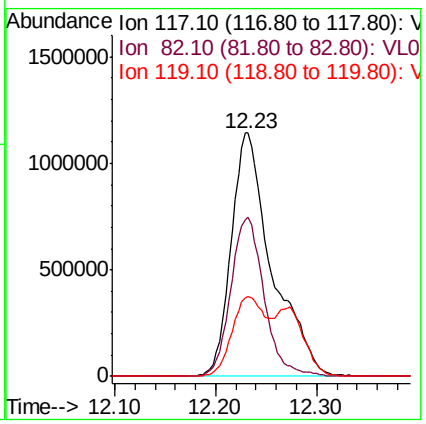


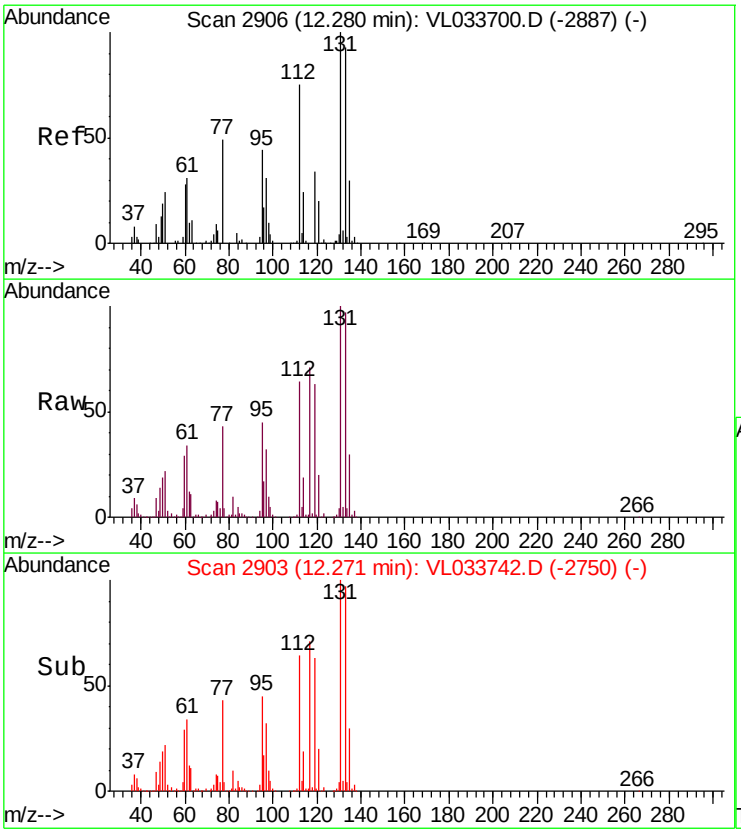

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:117 Resp: 3199185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.6 | 49.4 | 74.0 |
| 119 | 29.1 | 24.9 | 37.3 |

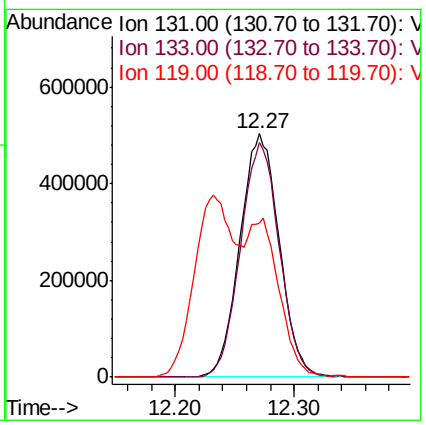


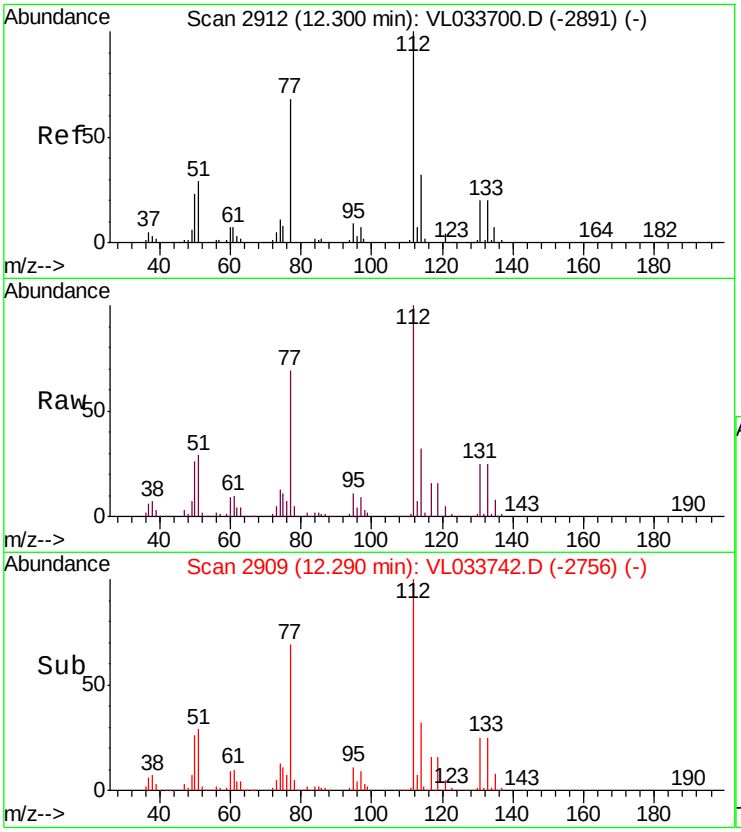




#56
1,1,1,2-Tetrachloroethane
Concen: 7.743 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:131 Resp: 1146311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.9 | 76.6 | 114.8 |
| 119 | 52.1 | 49.0 | 73.4 |



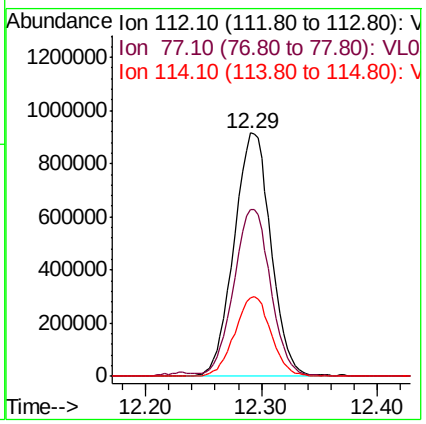


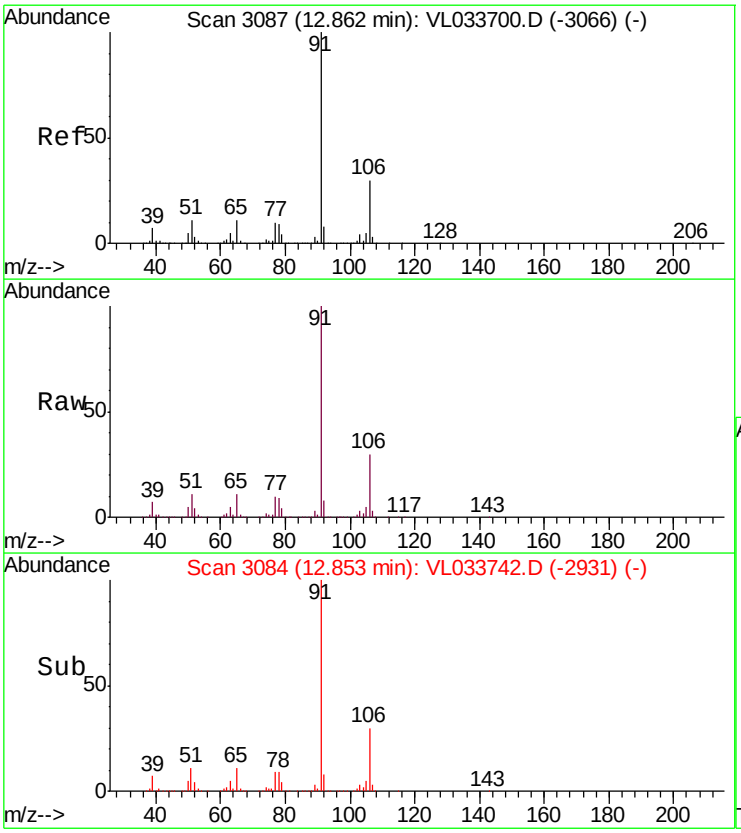

#57
Chlorobenzene
Concen: 7.676 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:112 Resp: 2021382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 68.3 | 55.4 | 83.0 |
| 114 | 32.0 | 29.3 | 35.8 |

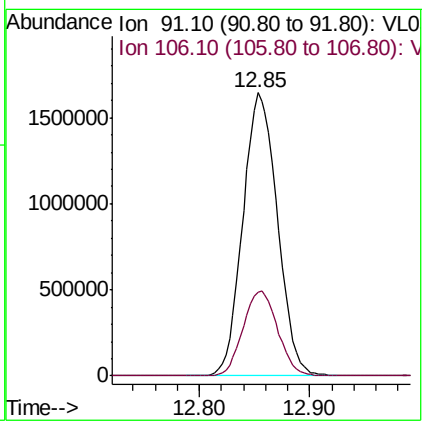


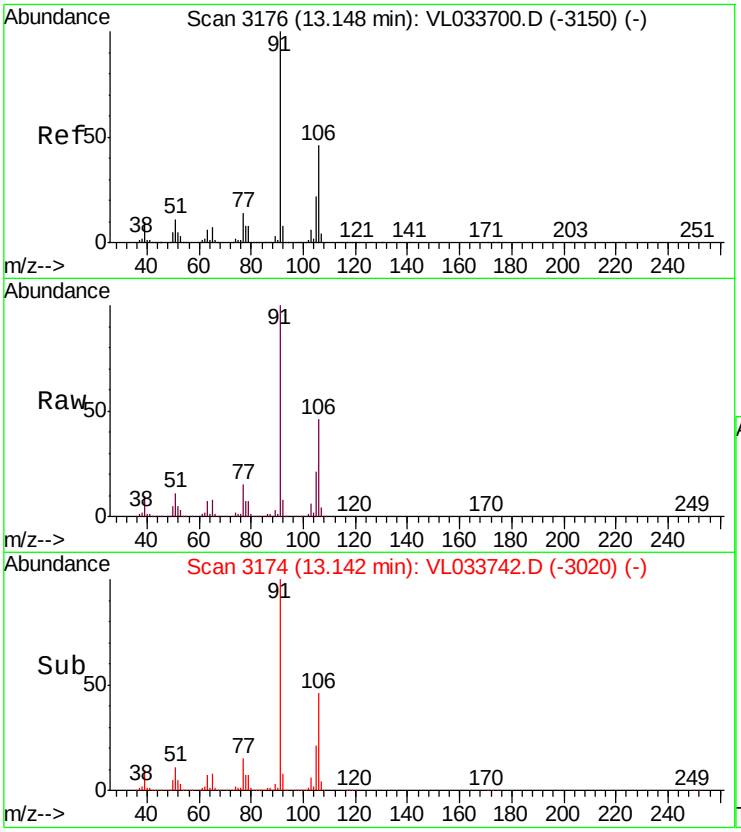




#58
Ethyl Benzene
Concen: 8.433 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 91 Resp: 3572661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.7 | 23.9 | 35.9 |



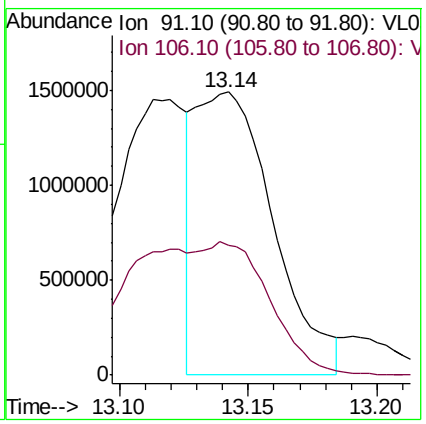


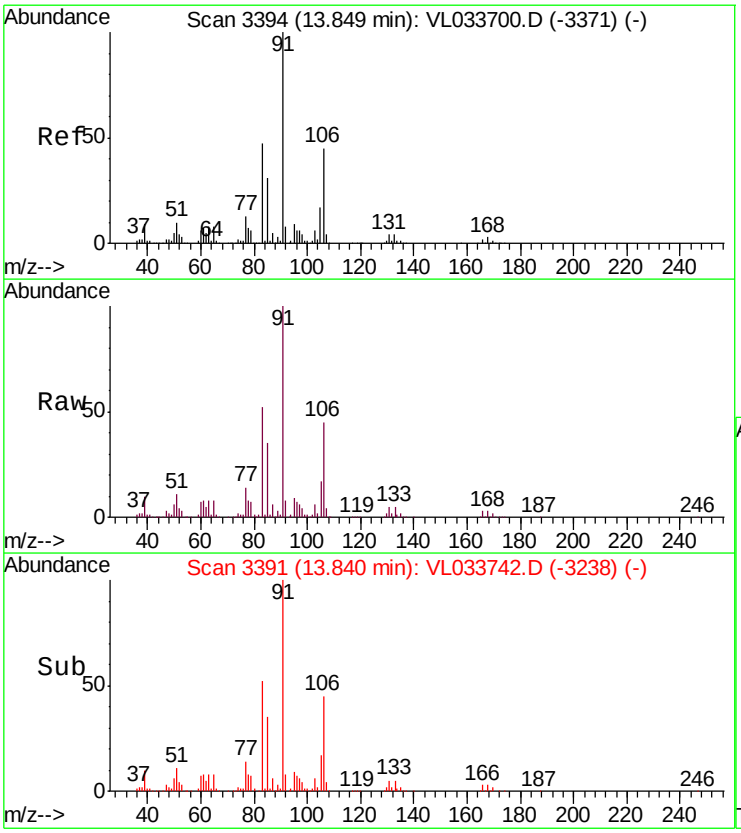

#59
m/p-Xylene
Concen: 8.386 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 91 Resp: 3105717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 87.1 | 35.8 | 53.6# |

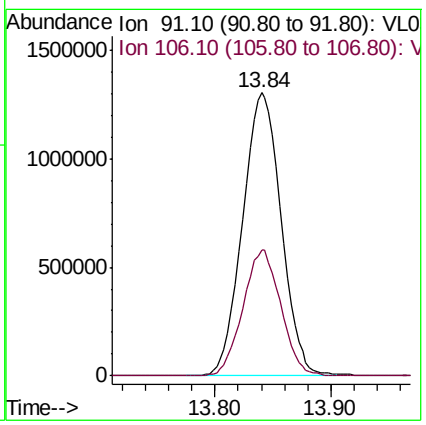


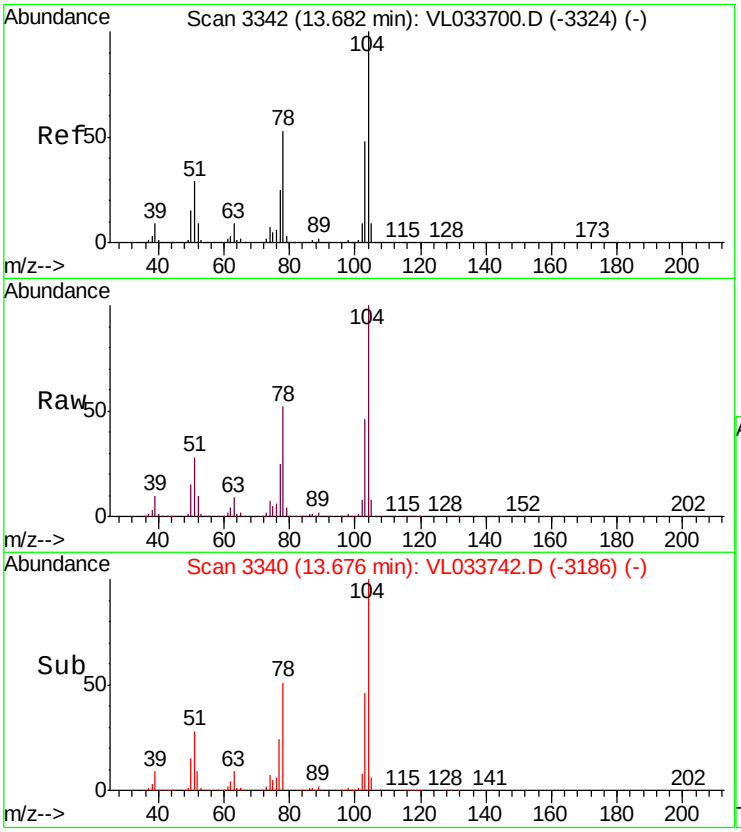




#60
o-Xylene
Concen: 8.080 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 91 Resp: 3016538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 43.8 | 21.6 | 64.8 |



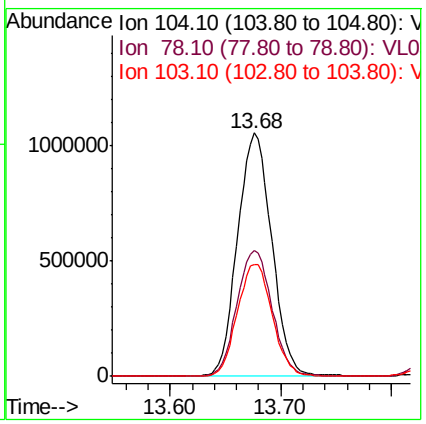


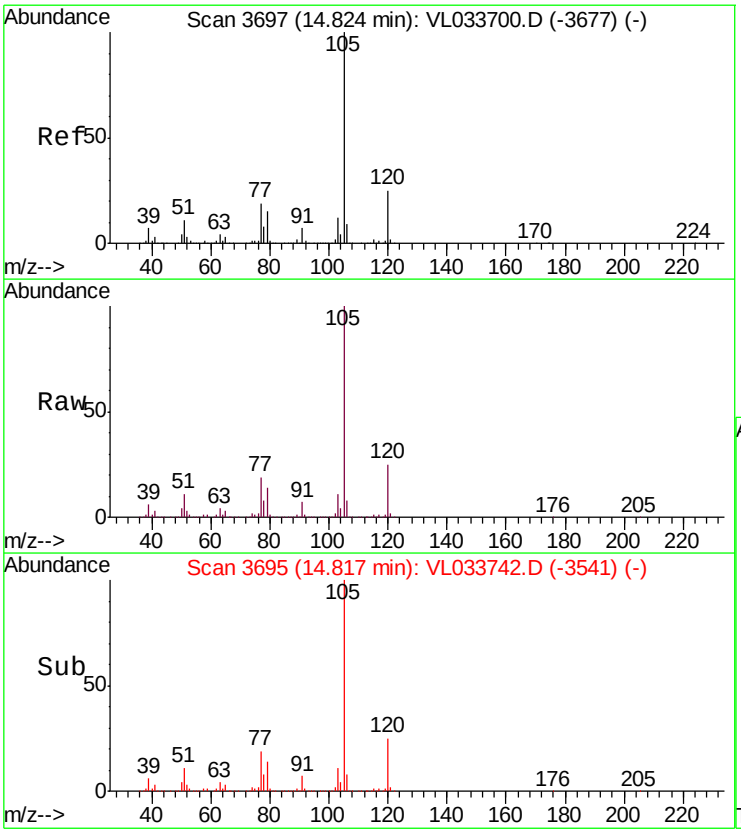

#61
Styrene
Concen: 9.034 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion:104 Resp: 2270636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.1 | 42.6 | 64.0 |
| 103 | 47.1 | 37.8 | 56.6 |

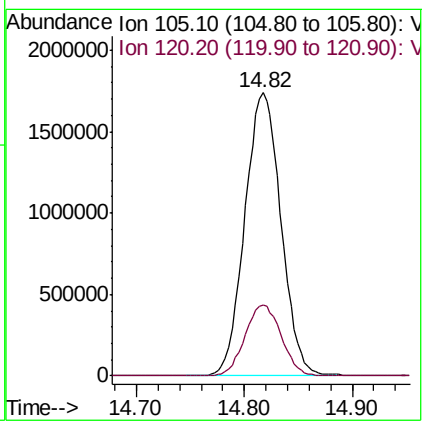


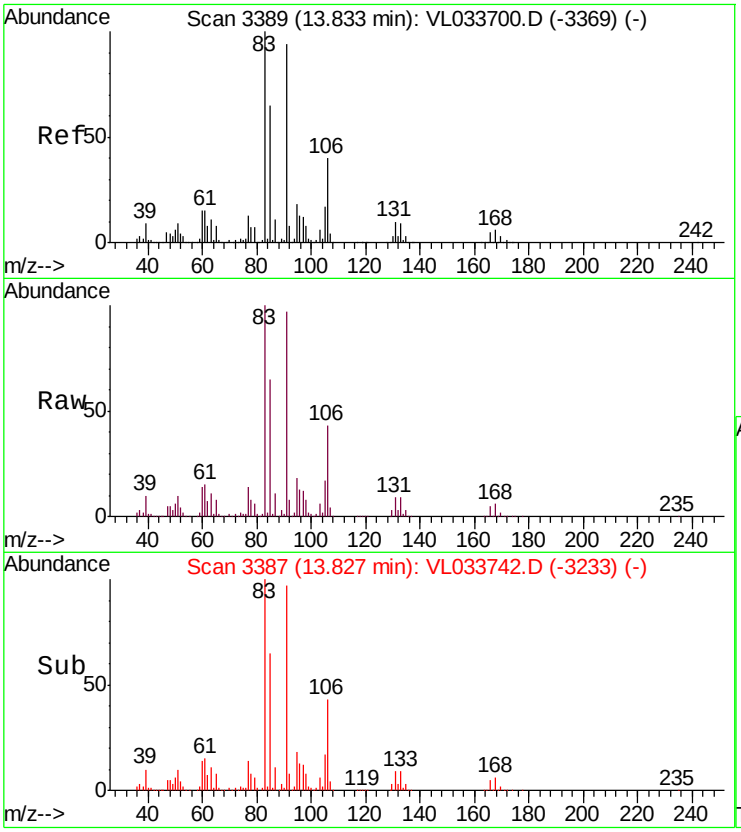




#62
Isopropylbenzene
Concen: 8.039 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:105 Resp: 4041628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 20.1 | 30.1 |



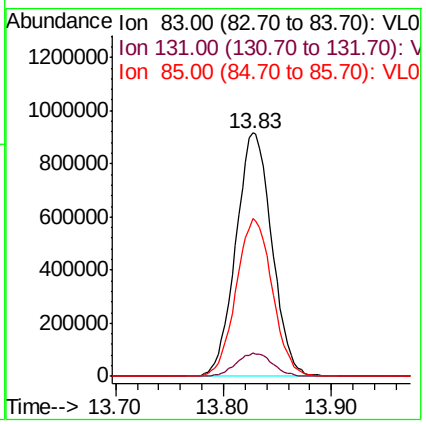


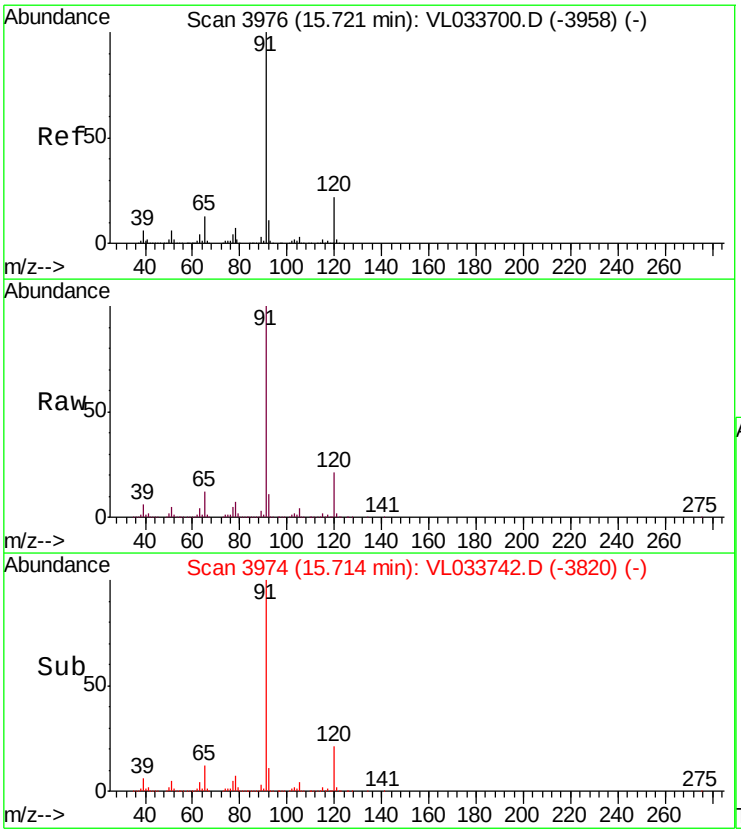

#63
1,1,2,2-Tetrachloroethane
Concen: 7.847 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion: 83 Resp: 2130302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 4.8 | 14.3 |
| 85 | 65.0 | 32.3 | 96.9 |

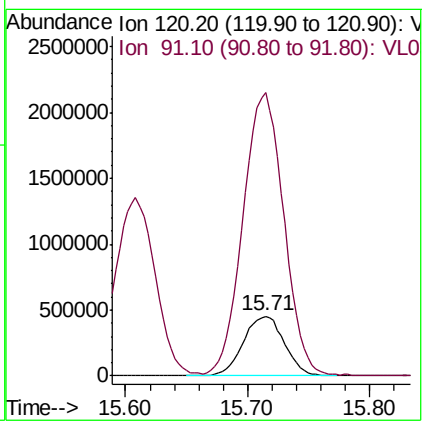


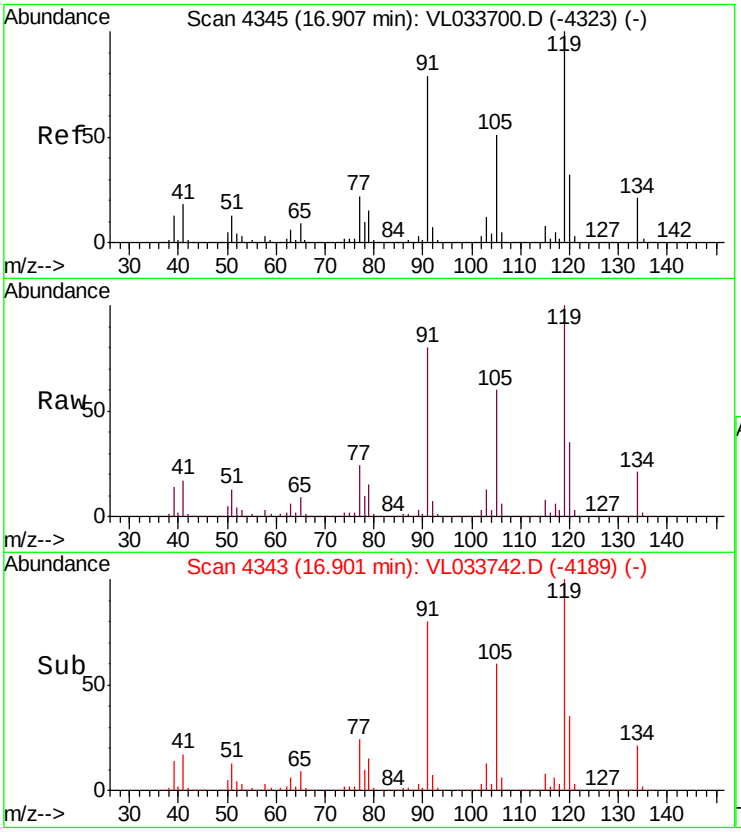




#64
n-propylbenzene
Concen: 8.070 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:120 Resp: 1049526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 475.9 | 379.1 | 568.7 |



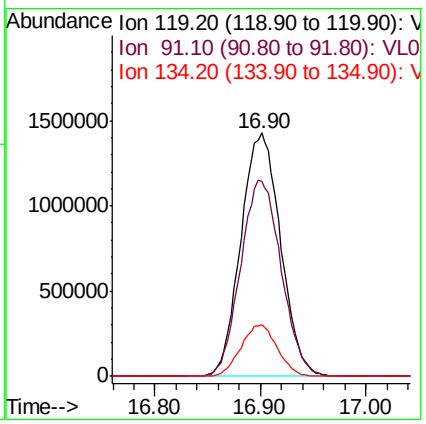


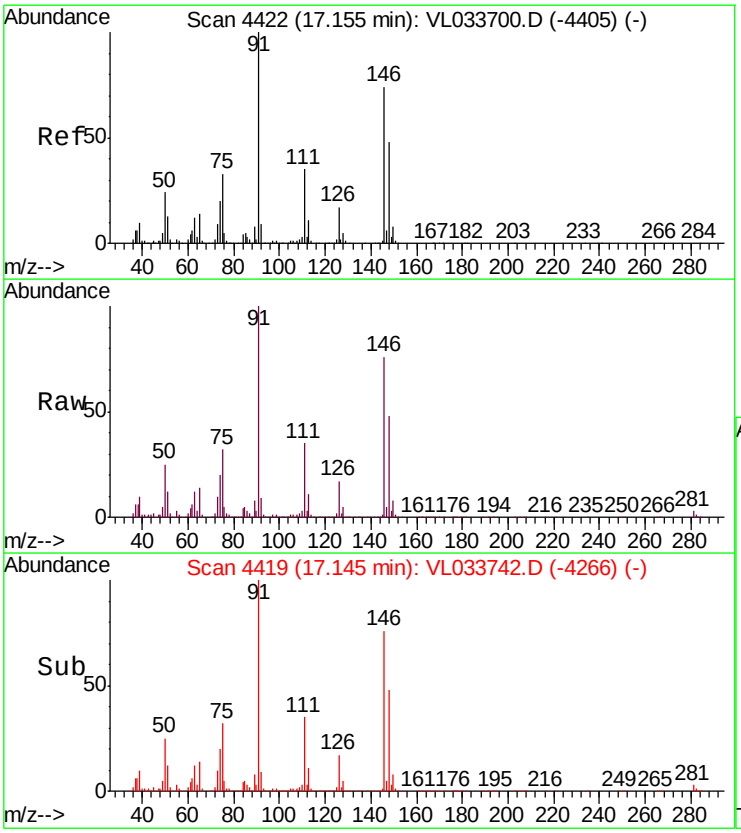

#65
tert-Butylbenzene
Concen: 8.142 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion:119 Resp: 3737572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 82.4 | 65.3 | 97.9 |
| 134 | 19.5 | 15.7 | 23.5 |

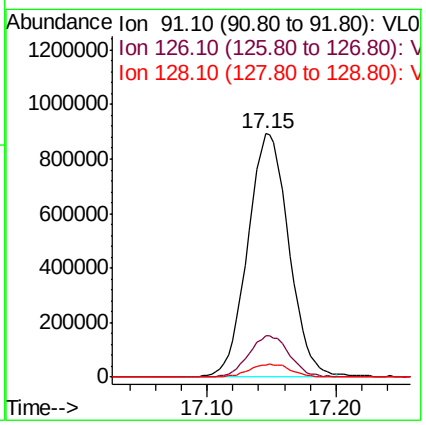


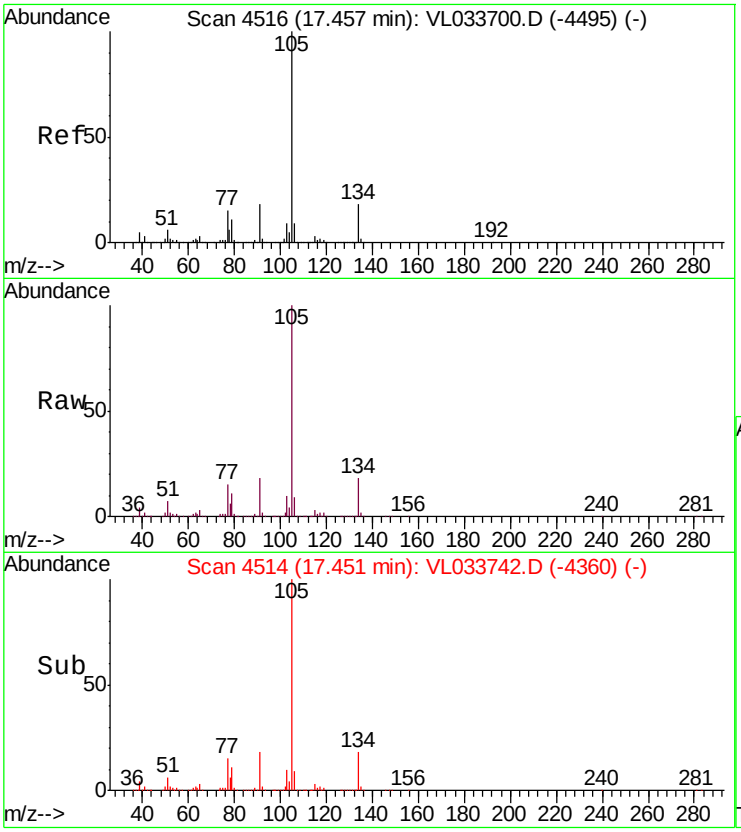




#66
Benzyl Chloride
Concen: 9.049 ppbv
RT: 17.15 min Scan# 4419
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 91 Resp: 1978280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 17.1 | 13.5 | 20.3 |
| 128 | 5.4 | 4.3 | 6.5 |



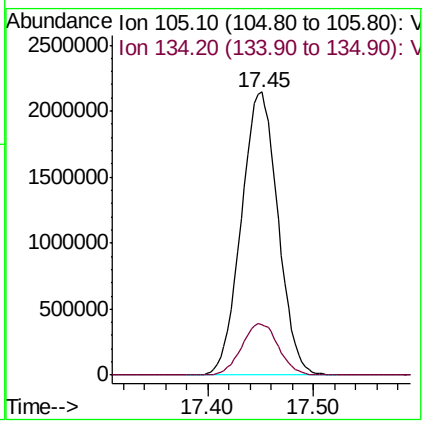


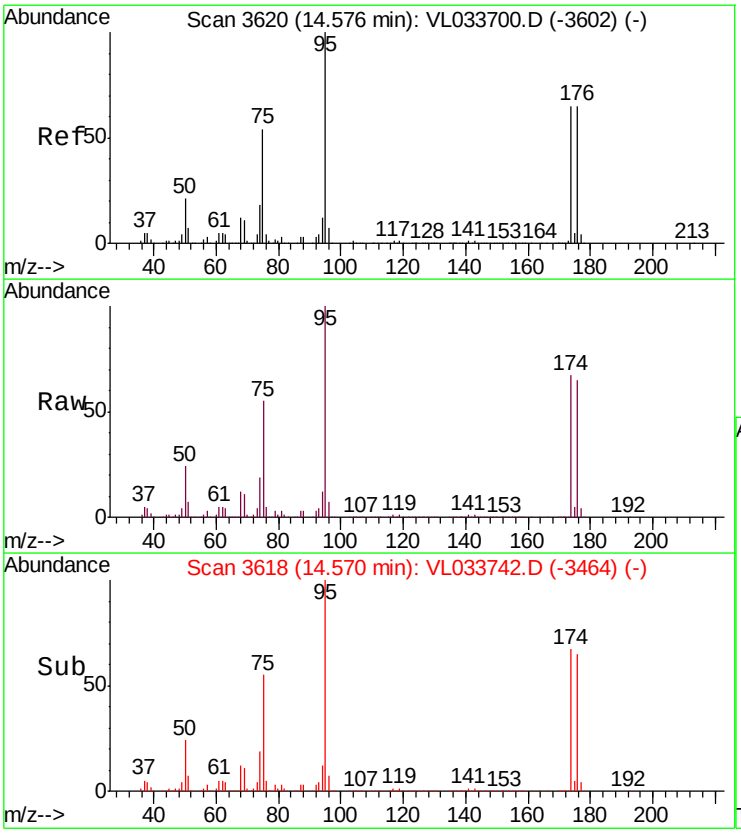

#67
sec-Butylbenzene
Concen: 8.088 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion:105 Resp: 5196164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.3 | 14.6 | 22.0 |

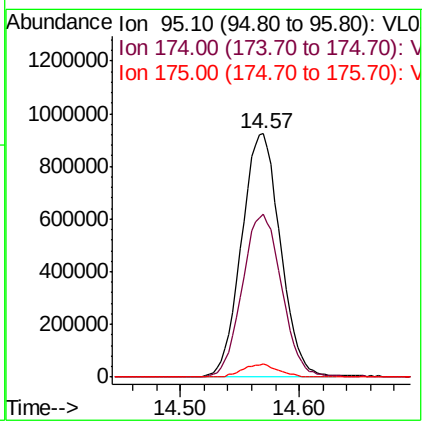


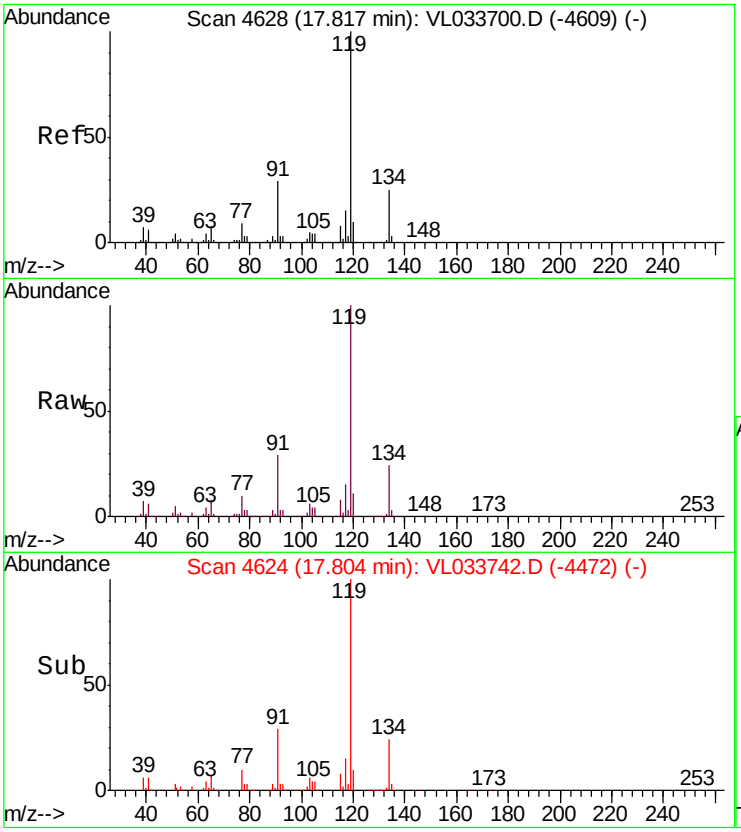




#68
1-Bromo-4-Fluorobenzene
Concen: 8.057 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 95 Resp: 2089653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.2 | 53.9 | 80.9 |
| 175 | 4.9 | 3.8 | 5.8 |



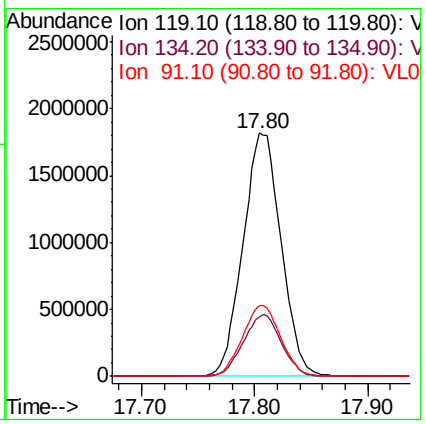


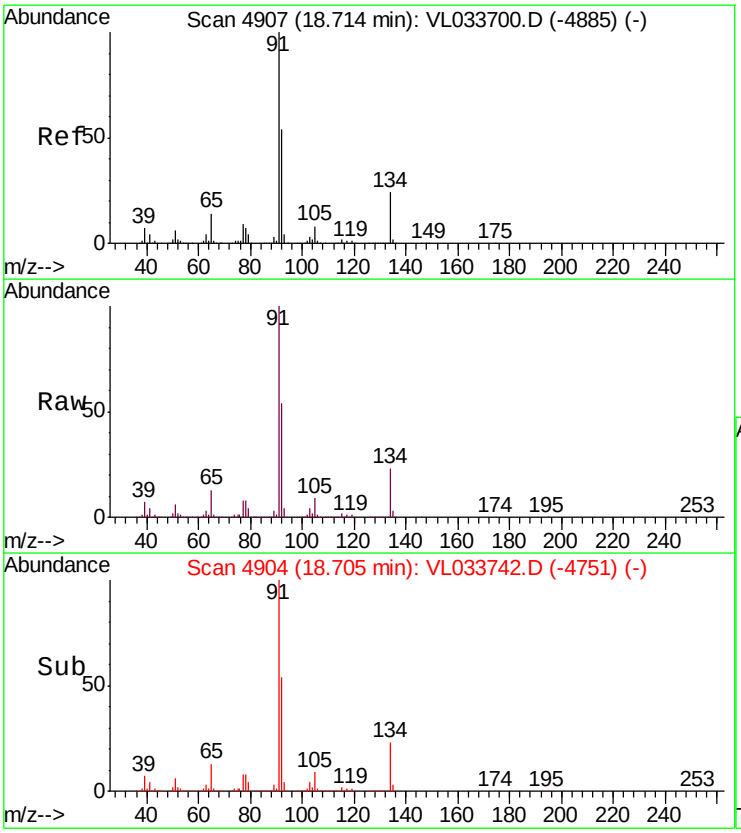

#69
p-Isopropyltoluene
Concen: 8.016 ppbv
RT: 17.80 min Scan# 4624
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:119 Resp: 4256821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.3 | 20.3 | 30.5 |
| 91 | 29.4 | 23.1 | 34.7 |

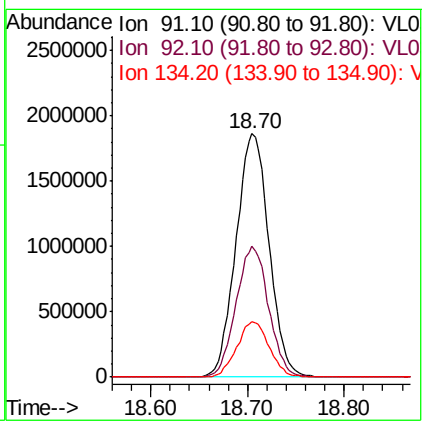


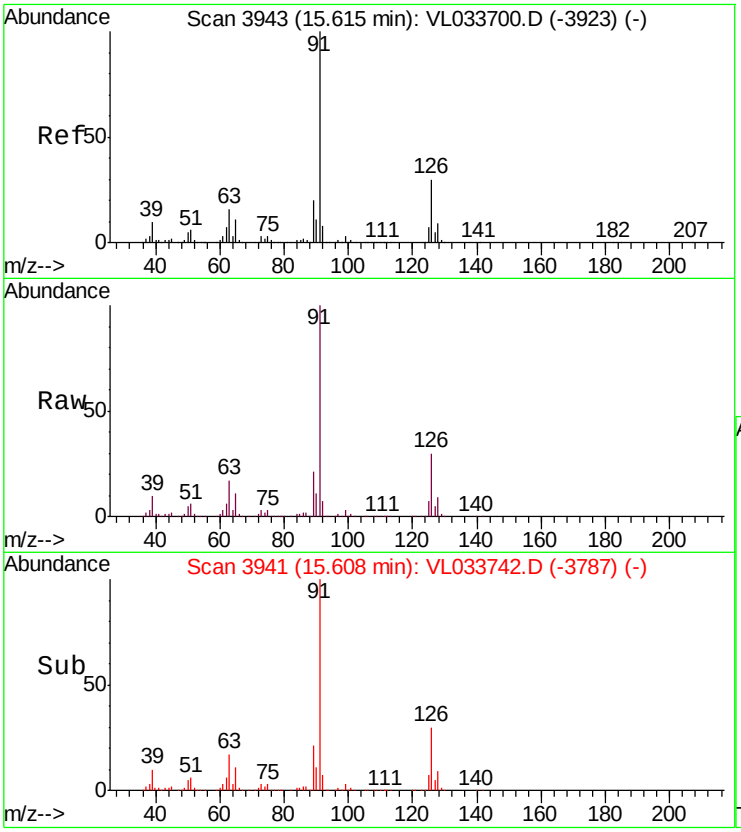




#70
n-Butylbenzene
Concen: 7.755 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion: 91 Resp: 4416156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.0 | 42.6 | 63.8 |
| 134 | 22.3 | 18.1 | 27.1 |



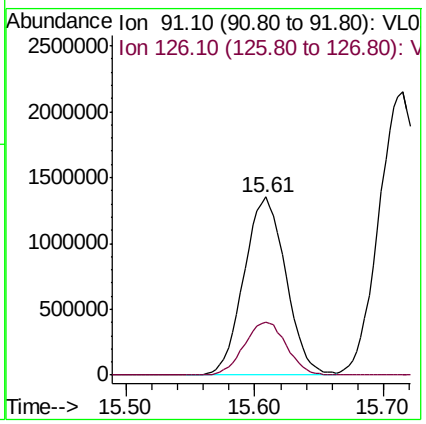


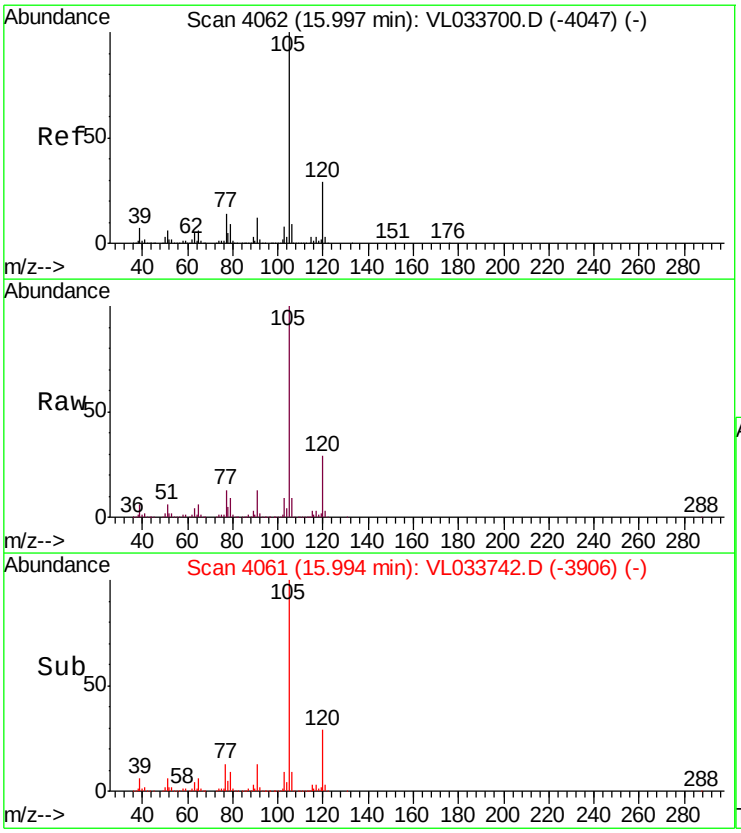

#71
2-Chlorotoluene
Concen: 8.217 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion: 91 Resp: 3064943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.3 | 12.0 | 47.8 |

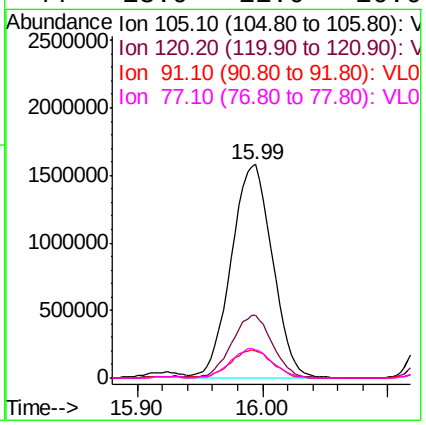


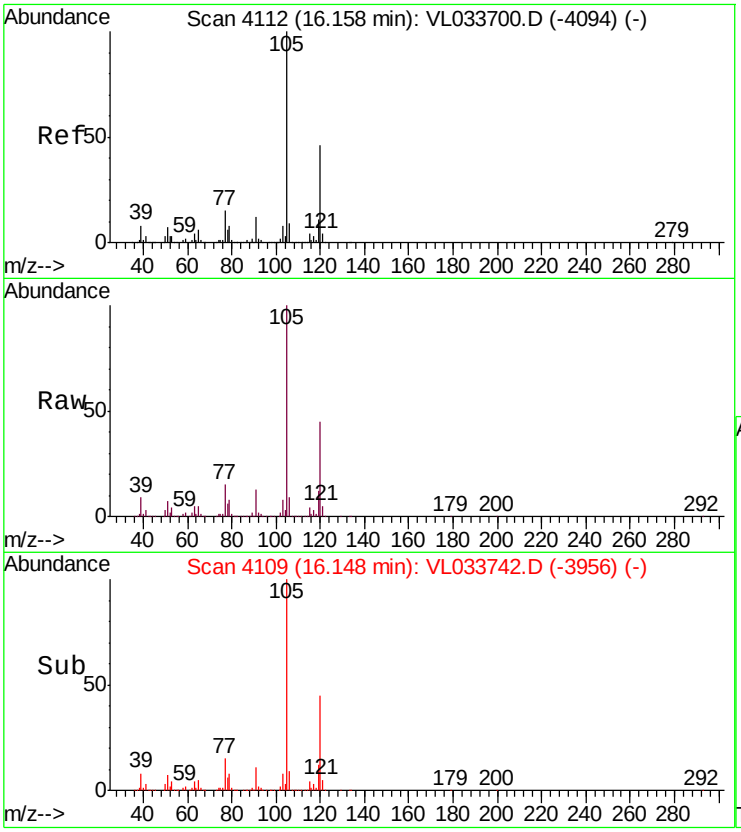




#72
4-Ethyltoluene
Concen: 8.442 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:105 Resp: 3603491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 29.1 | 23.1 | 34.7 |
| 91 | 13.1 | 10.4 | 15.6 |
| 77 | 13.9 | 11.0 | 16.6 |



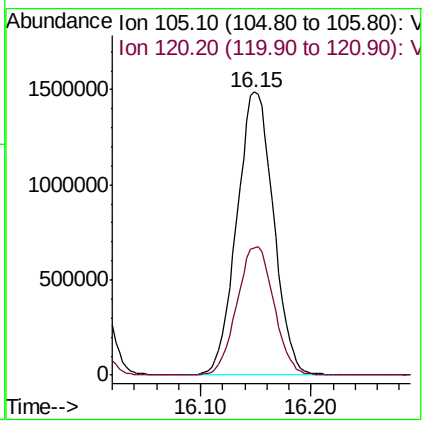


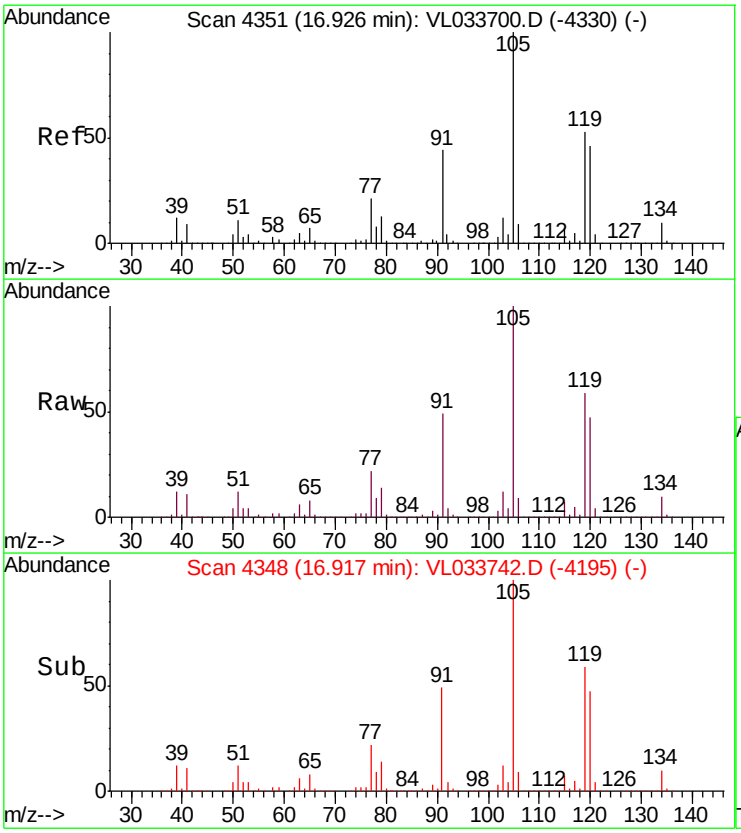

#73
1,3,5-Trimethylbenzene
Concen: 8.203 ppbv
RT: 16.15 min Scan# 4109
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:105 Resp: 3416471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.0 | 37.0 | 55.4 |

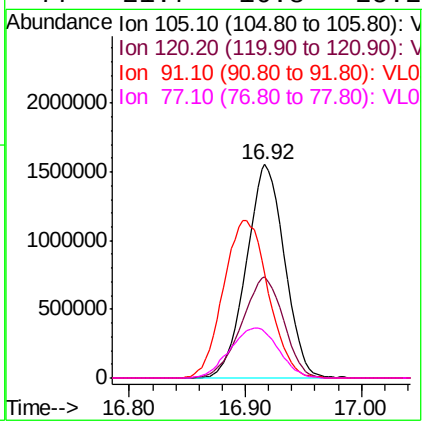


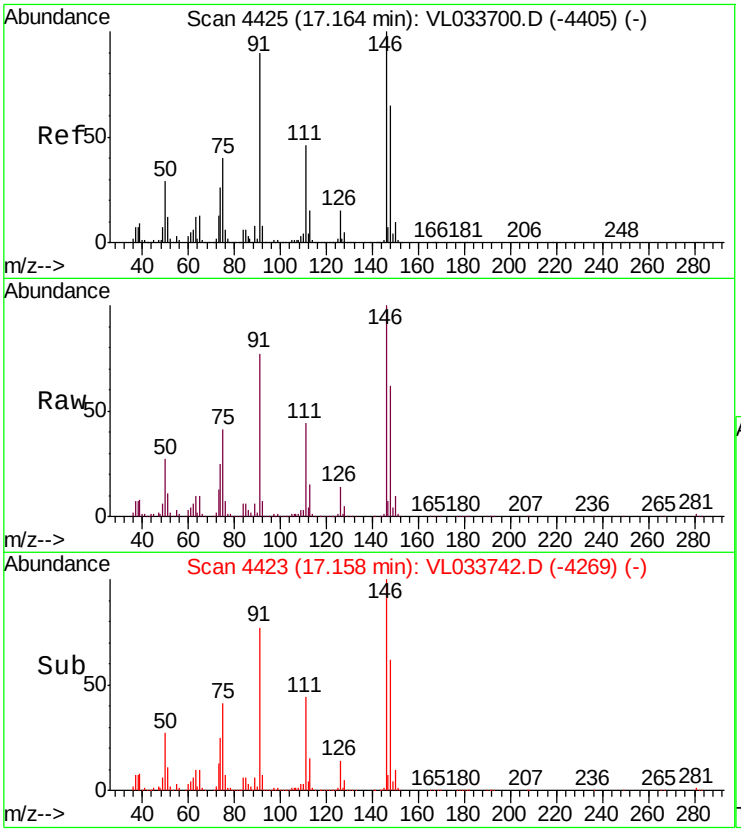




#74
1,2,4-Trimethylbenzene
Concen: 7.846 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:105 Resp: 3556018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.4 | 36.8 | 55.2 |
| 91 | 48.8 | 35.4 | 53.0 |
| 77 | 21.7 | 16.8 | 25.2 |



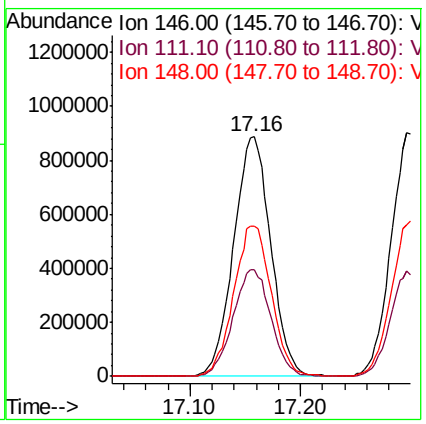


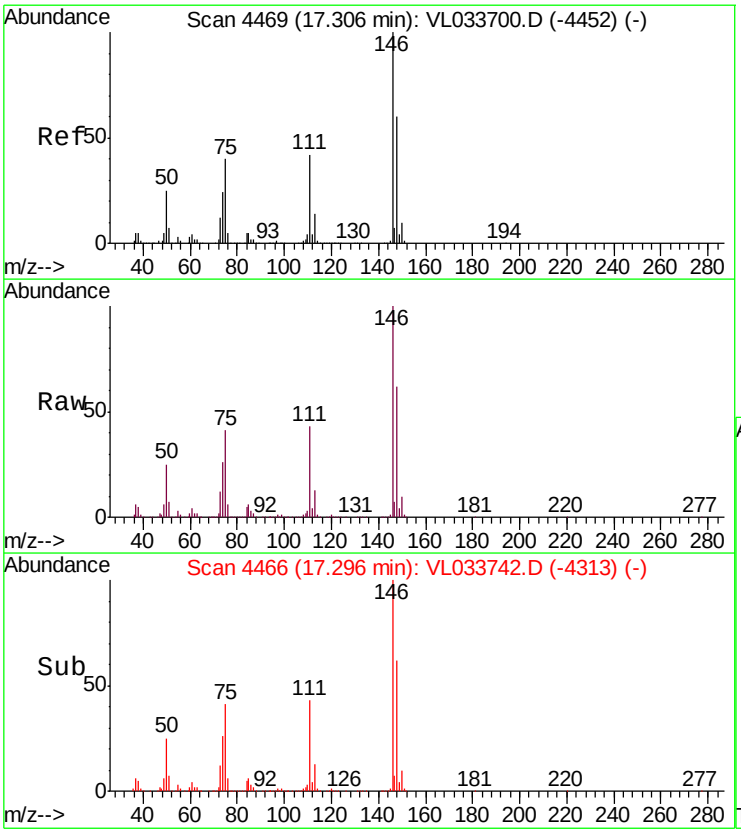

#75
1,3-Dichlorobenzene
Concen: 7.443 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion:146 Resp: 2067134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.4 | 22.9 | 68.8 |
| 148 | 63.6 | 32.0 | 96.2 |

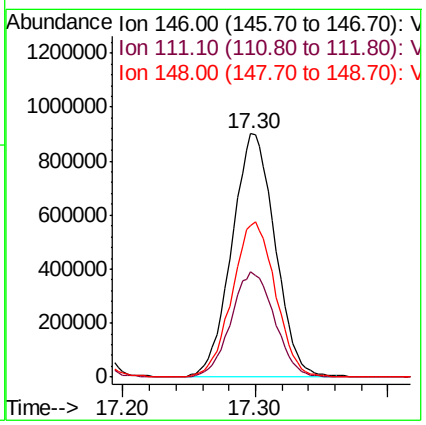


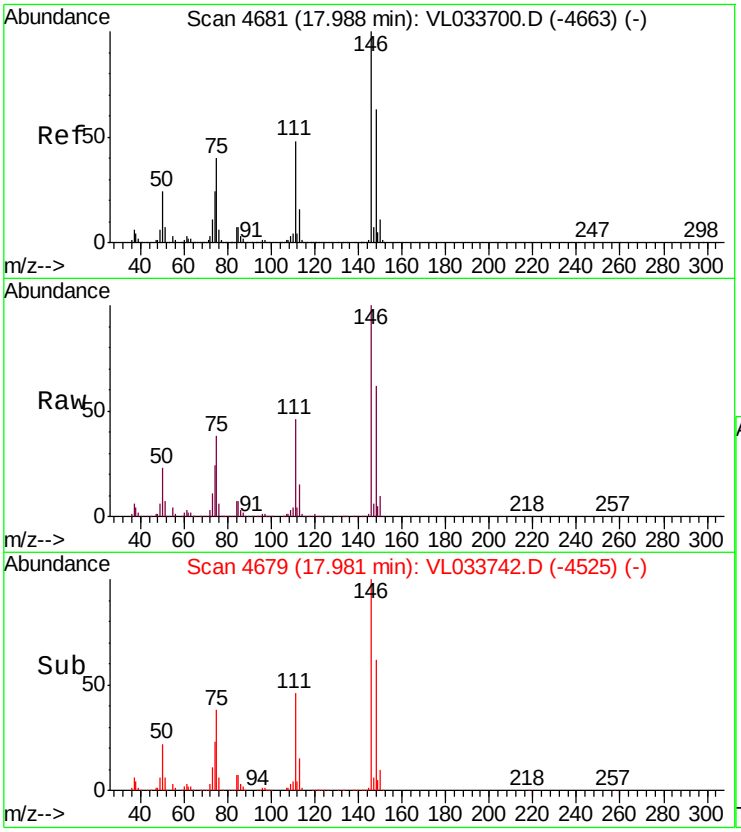




#76
1,4-Dichlorobenzene
Concen: 7.664 ppbv
RT: 17.30 min Scan# 4466
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:146 Resp: 2023146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.9 | 65.8 |
| 148 | 64.7 | 32.1 | 96.3 |



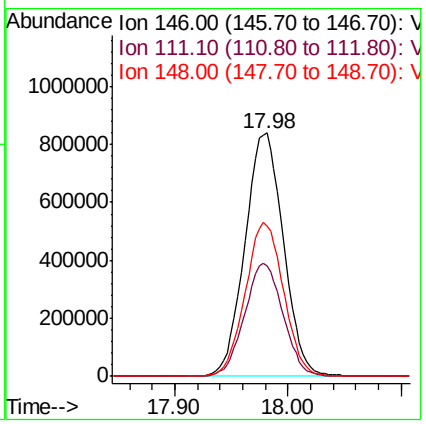


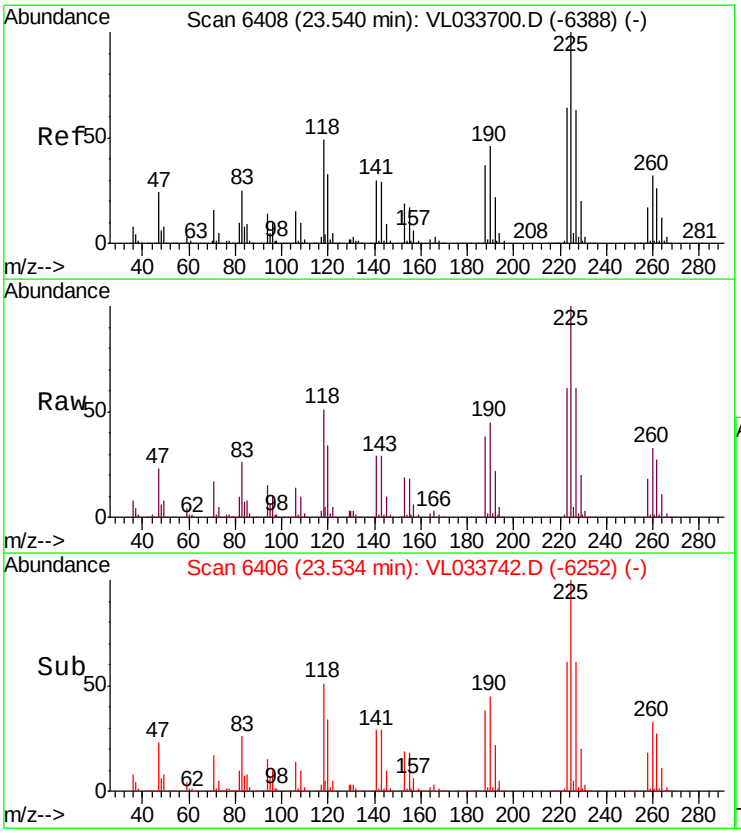

#77
1,2-Dichlorobenzene
Concen: 7.590 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :** MSVOA_L
**ClientSampleId :** VL0522ABS01DUP

Tgt Ion:146 Resp: 1980820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.5 | 23.5 | 70.5 |
| 148 | 63.1 | 32.1 | 96.3 |

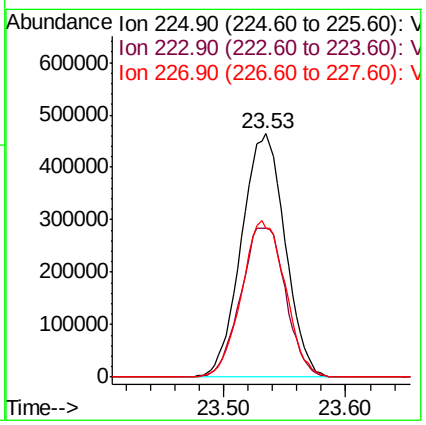


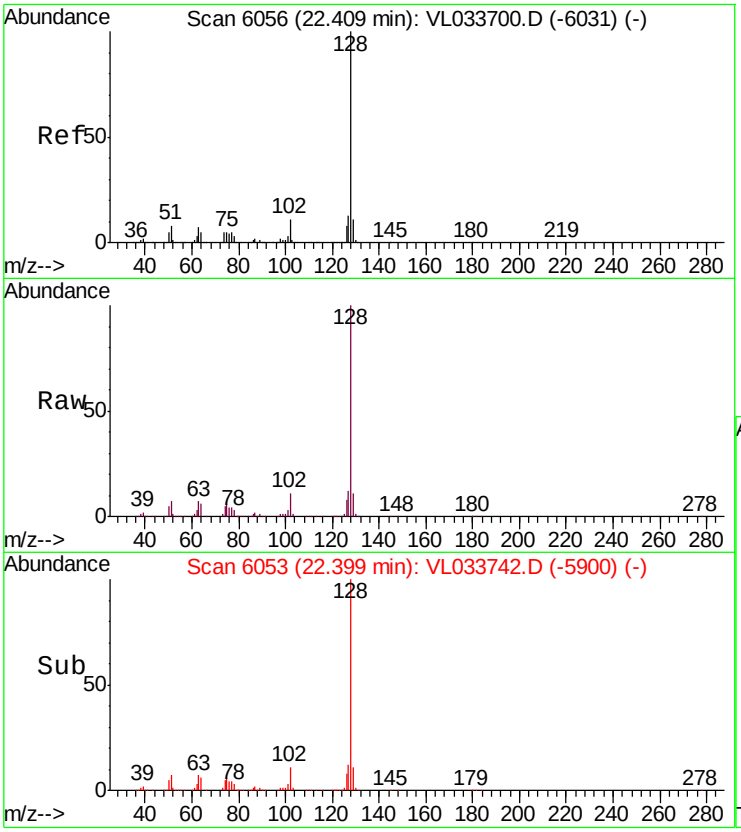




#78
Hexachloro-1,3-Butadiene
Concen: 5.831 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:225 Resp: 1150477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 50.2 | 75.4 |
| 227 | 64.0 | 50.7 | 76.1 |



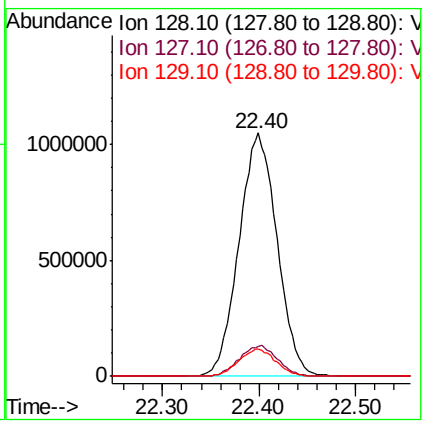


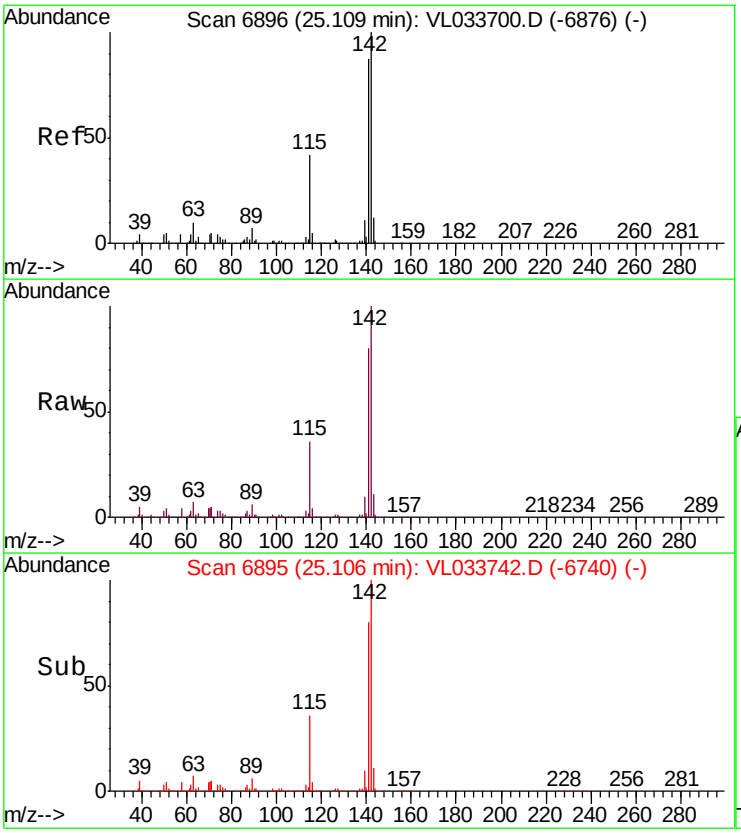

#79
Naphthalene
Concen: 6.823 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:128 Resp: 2872465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.1 | 10.6 | 16.0 |
| 129 | 11.0 | 8.9 | 13.3 |

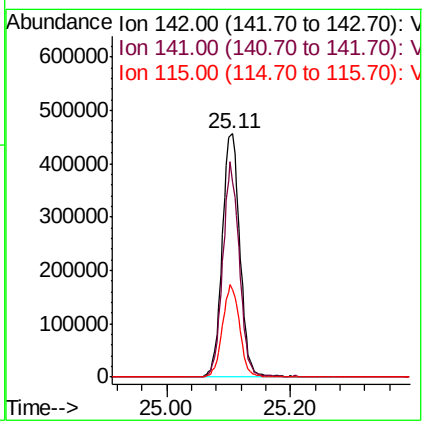


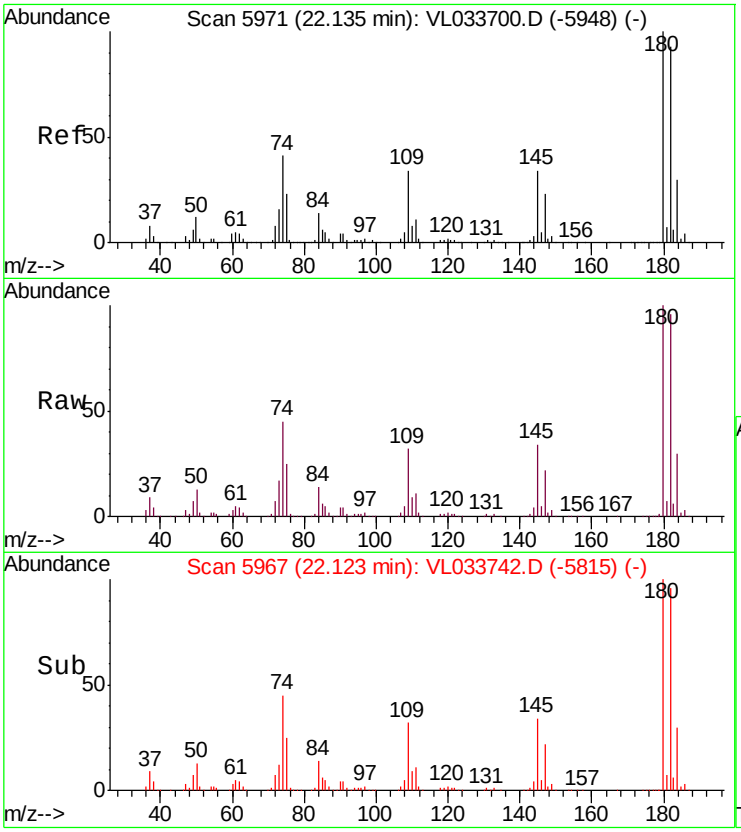




#80
Naphthalene,2-methyl-
Concen: 5.655 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

Tgt Ion:142 Resp: 904654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 82.2 | 67.2 | 100.8 |
| 115 | 36.7 | 34.1 | 51.1 |






#81
1,2,4-Trichlorobenzene
Concen: 6.571 ppbv
RT: 22.12 min Scan# 5967
Delta R.T. -0.01 min
Lab File: VL033742.D
Acq: 22 May 2019 12:49

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL0522ABS01DUP

Tgt Ion:180 Resp: 1619896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 76.1 | 114.1 |
| 184 | 30.9 | 24.6 | 37.0 |