Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032950.D
Acq On : 8 Dec 2018 1:45
Operator : SY/AP
Sample : VL1207ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Quant Time: Dec 08 04:43:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.76 | 49 | 1467279 | 10.00 | ppbv | | 0.00 |
| 33) 1,4-Difluorobenzene | 7.30 | 114 | 3592878 | 10.00 | ppbv | | 0.00 |
| 55) Chlorobenzene-d5 | 12.25 | 117 | 4361895 | 10.00 | ppbv | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.58 | 95 | 2618545 | 8.13 | ppbv | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 81.30% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.08 | 85 | 1525381 | 7.787 | ppbv | | 99 |
| 3) Chlorodifluoromethane | 3.01 | 51 | 992815 | 8.934 | ppbv | | 96 |
| 4) Chloromethane | 3.17 | 50 | 558616 | 8.635 | ppbv | | 98 |
| 5) Vinyl Chloride | 3.29 | 62 | 556854 | 8.460 | ppbv | | 96 |
| 6) Bromomethane | 3.51 | 94 | 388503 | 9.436 | ppbv | | 97 |
| 7) Chloroethane | 3.60 | 64 | 229187 | 9.714 | ppbv | | 97 |
| 8) Dichlorotetrafluoroethane | 3.22 | 85 | 1375614 | 8.451 | ppbv | | 98 |
| 9) Propene | 3.04 | 41 | 434463 | 9.888 | ppbv | | 99 |
| 10) Heptane | 8.25 | 43 | 1773344 | 10.744 | ppbv | | 99 |
| 11) Trichlorofluoromethane | 4.00 | 101 | 1623134 | 8.795 | ppbv | | 100 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.55 | 101 | 1381716 | 8.776 | ppbv | | 100 |
| 13) Ethanol | 3.65 | 45 | 106234 | 7.022 | ppbv | | 96 |
| 14) Bromoethene | 3.79 | 108 | 513064 | 9.815 | ppbv | | 99 |
| 15) Acetone | 3.90 | 43 | 1046625 | 8.310 | ppbv | | 98 |
| 16) 1,3-Butadiene | 3.36 | 39 | 530235 | 10.612 | ppbv | | 96 |
| 17) tert-Butyl alcohol | 4.35 | 59 | 131763 | 4.109 | ppbv | # | 61 |
| 18) 1,1-Dichloroethene | 4.35 | 96 | 512289 | 8.308 | ppbv | | 98 |
| 19) Isopropyl Alcohol | 4.02 | 45 | 816915 | 10.329 | ppbv | | 100 |
| 20) Methylene Chloride | 4.41 | 84 | 498540 | 8.099 | ppbv | | 93 |
| 21) Allyl Chloride | 4.48 | 41 | 1030082 | 10.036 | ppbv | | 97 |
| 22) trans-1,2-Dichloroethene | 4.96 | 96 | 663616 | 8.671 | ppbv | | 99 |
| 23) Vinyl Acetate | 5.16 | 43 | 2198367 | 10.310 | ppbv | | 100 |
| 24) 1,1-Dichloroethane | 5.09 | 63 | 1624366 | 8.760 | ppbv | | 99 |
| 25) Ethyl Acetate | 5.77 | 43 | 3051016 | 10.255 | ppbv | | 100 |
| 26) Hexane | 5.78 | 57 | 1422569 | 10.357 | ppbv | | 99 |
| 27) Carbon Disulfide | 4.62 | 76 | 1613496 | 9.395 | ppbv | | 100 |
| 28) Methyl tert-Butyl Ether | 5.11 | 73 | 2070565 | 10.037 | ppbv | | 99 |
| 29) Chloroform | 5.85 | 83 | 2232880 | 9.111 | ppbv | | 96 |
| 30) Cyclohexane | 7.25 | 84 | 1231768 | 10.820 | ppbv | | 99 |
| 31) cis-1,2-Dichloroethene | 5.64 | 61 | 1245872 | 9.884 | ppbv | | 97 |
| 32) 1,1,1-Trichloroethane | 6.62 | 97 | 2214894 | 8.541 | ppbv | | 99 |
| 34) 2-Butanone | 5.33 | 43 | 1707051 | 10.908 | ppbv | | 100 |
| 35) Carbon Tetrachloride | 7.14 | 117 | 2526775 | 8.947 | ppbv | | 99 |
| 36) Benzene | 7.01 | 78 | 2875655 | 10.882 | ppbv | | 98 |
| 37) 1,2-Dichloroethane | 6.42 | 62 | 1786715 | 9.931 | ppbv | | 98 |
| 38) Trichloroethene | 7.96 | 130 | 1169488 | 10.634 | ppbv | | 98 |
| 39) 1,2-Dichloropropane | 7.74 | 63 | 1101348 | 10.989 | ppbv | | 91 |
| 40) 1,4-Dioxane | 7.96 | 88 | 408621 | 11.069 | ppbv | # | 94 |
| 41) Tetrahydrofuran | 6.15 | 42 | 1135960 | 11.671 | ppbv | | 98 |
| 42) Bromodichloromethane | 7.92 | 83 | 2523487 | 10.123 | ppbv | | 99 |
| 43) Methyl Methacrylate | 8.14 | 69 | 1148193 | 11.726 | ppbv | | 100 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032950.D
Acq On : 8 Dec 2018 1:45
Operator : SY/AP
Sample : VL1207ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Quant Time: Dec 08 04:43:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,2,4-Trimethylpentane | 7.99 | 57 | 4904154 | 10.933 | ppbv | | 98 |
| 45) t-1,3-Dichloropropene | 9.42 | 75 | 1555160 | 12.953 | ppbv | | 98 |
| 46) cis-1,3-Dichloropropene | 8.84 | 75 | 1810922 | 12.323 | ppbv | | 100 |
| 47) 1,1,2-Trichloroethane | 9.62 | 97 | 1202459 | 10.900 | ppbv | | 98 |
| 48) Dibromochloromethane | 10.46 | 129 | 2199153 | 10.627 | ppbv | | 99 |
| 49) Bromoform | 13.21 | 173 | 1827382 | 10.736 | ppbv | | 99 |
| 50) 4-Methyl-2-Pentanone | 8.87 | 43 | 2776002 | 11.092 | ppbv | | 100 |
| 51) 2-Hexanone | 10.27 | 43 | 2229263 | 13.135 | ppbv | | 98 |
| 52) Tetrachloroethene | 11.38 | 164 | 1035254 | 10.770 | ppbv | | 98 |
| 53) Toluene | 9.95 | 91 | 3283537 | 11.716 | ppbv | | 99 |
| 54) 1,2-Dibromoethane | 10.76 | 107 | 1871864 | 10.862 | ppbv | | 98 |
| 56) 1,1,1,2-Tetrachloroethane | 12.29 | 131 | 1538743 | 7.913 | ppbv | | 99 |
| 57) Chlorobenzene | 12.31 | 112 | 2525204 | 8.016 | ppbv | | 97 |
| 58) Ethyl Benzene | 12.87 | 91 | 4785784 | 10.285 | ppbv | | 96 |
| 59) m/p-Xylene | 13.15 | 91 | 3574853 | 8.474 | ppbv | # | 100 |
| 60) o-Xylene | 13.85 | 91 | 3888739 | 9.128 | ppbv | | 98 |
| 61) Styrene | 13.69 | 104 | 2769136 | 9.771 | ppbv | | 98 |
| 62) Isopropylbenzene | 14.83 | 105 | 5183073 | 8.720 | ppbv | | 100 |
| 63) 1,1,2,2-Tetrachloroethane | 13.84 | 83 | 2661748 | 8.046 | ppbv | | 99 |
| 64) n-propylbenzene | 15.73 | 120 | 1424722 | 9.228 | ppbv | | 97 |
| 65) tert-Butylbenzene | 16.91 | 119 | 4843353 | 8.789 | ppbv | | 99 |
| 66) Benzyl Chloride | 17.16 | 91 | 2829787 | 9.265 | ppbv | | 99 |
| 67) sec-Butylbenzene | 17.46 | 105 | 6774698 | 8.339 | ppbv | | 100 |
| 69) p-Isopropyltoluene | 17.82 | 119 | 5263078 | 7.994 | ppbv | | 100 |
| 70) n-Butylbenzene | 18.72 | 91 | 5361395 | 8.851 | ppbv | | 100 |
| 71) 2-Chlorotoluene | 15.62 | 91 | 4214508 | 9.535 | ppbv | | 99 |
| 72) 4-Ethyltoluene | 16.01 | 105 | 4270826 | 8.979 | ppbv | | 100 |
| 73) 1,3,5-Trimethylbenzene | 16.16 | 105 | 4047689 | 8.717 | ppbv | | 100 |
| 74) 1,2,4-Trimethylbenzene | 16.93 | 105 | 4372236 | 8.339 | ppbv | | 98 |
| 75) 1,3-Dichlorobenzene | 17.17 | 146 | 2494707 | 8.080 | ppbv | | 99 |
| 76) 1,4-Dichlorobenzene | 17.31 | 146 | 2460539 | 8.541 | ppbv | | 99 |
| 77) 1,2-Dichlorobenzene | 17.99 | 146 | 2235085 | 7.752 | ppbv | | 100 |
| 78) Hexachloro-1,3-Butadiene | 23.54 | 225 | 968825 | 6.110 | ppbv | | 99 |
| 79) Naphthalene | 22.42 | 128 | 3183251 | 9.403 | ppbv | | 99 |
| 80) Naphthalene,2-methyl- | 25.12 | 142 | 827137 | 11.435 | ppbv | | 99 |
| 81) 1,2,4-Trichlorobenzene | 22.14 | 180 | 1552231 | 8.646 | ppbv | | 100 |

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

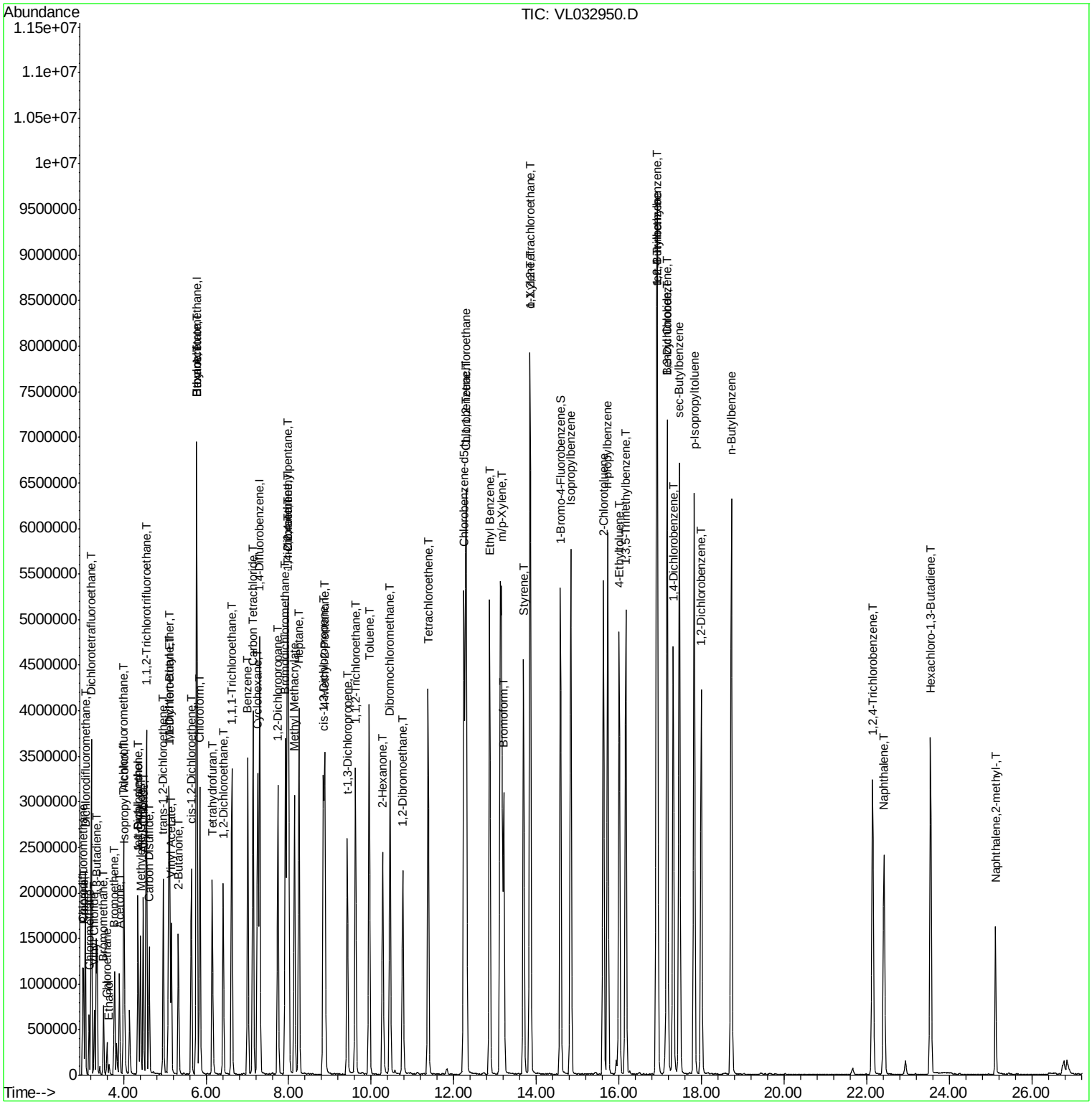
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

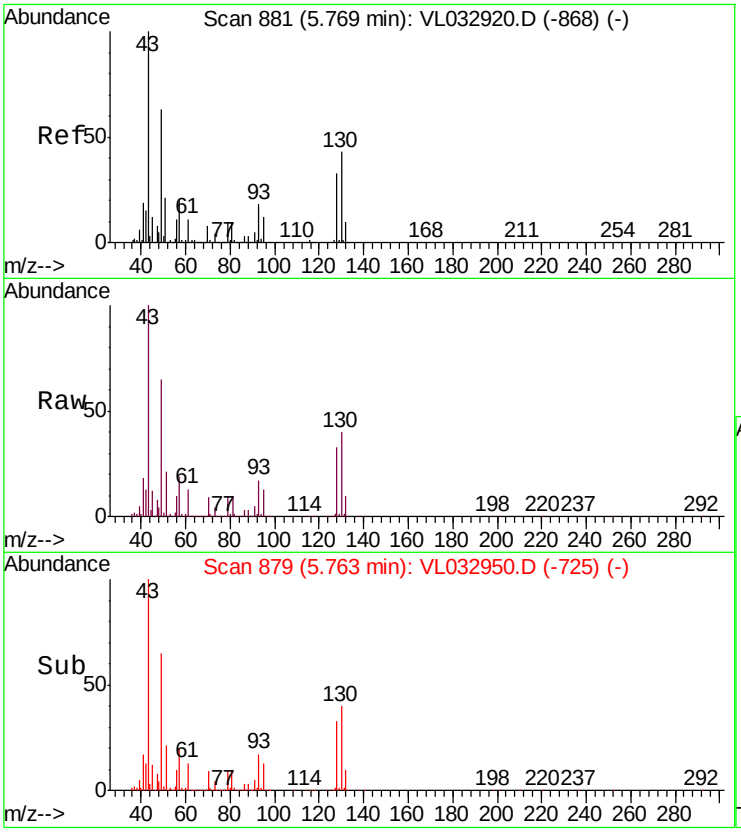
Quantitation Report (Not Reviewed)

Data File : VL032950.D
Acq On : 8 Dec 2018 1:45
Operator : SY/AP
Sample : VL1207ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Quant Time: Dec 08 04:43:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



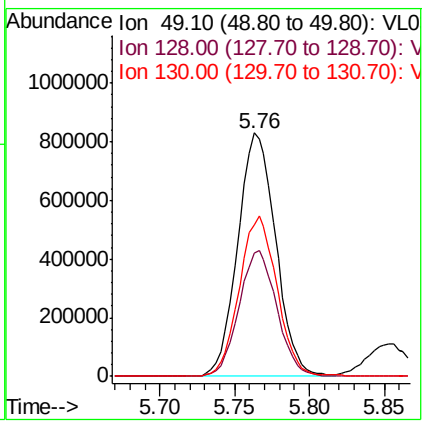


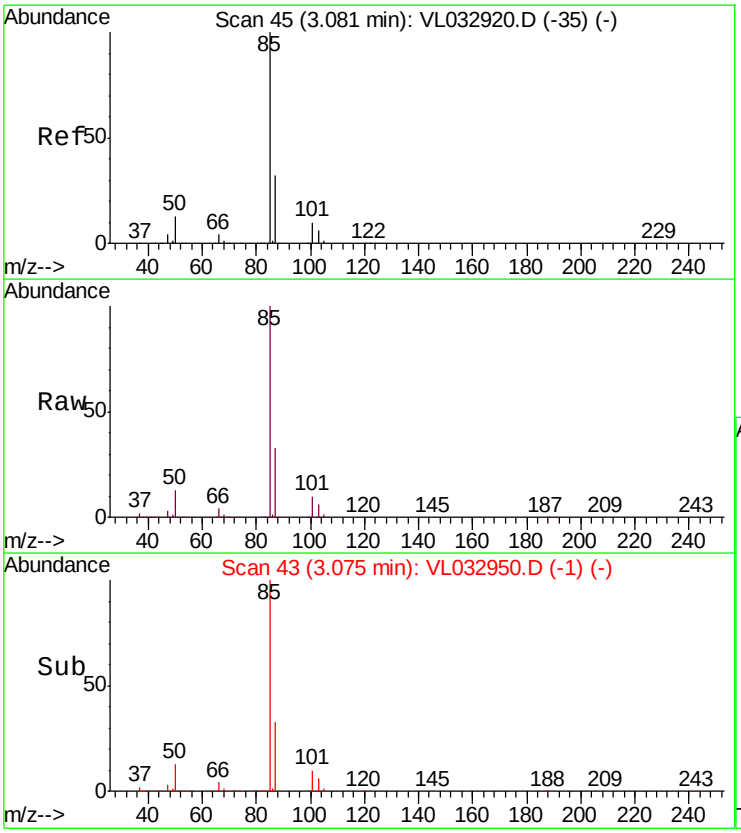

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 49 Resp: 1467279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 51.7 | 26.3 | 78.8 |
| 130 | 65.6 | 33.9 | 101.7 |

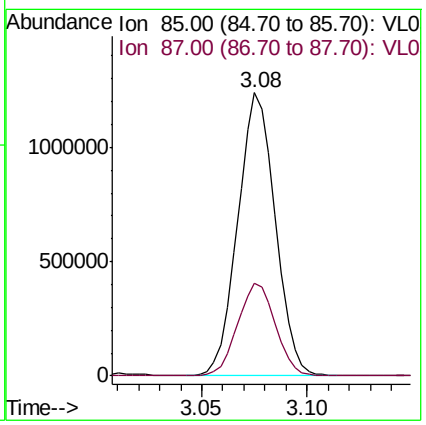


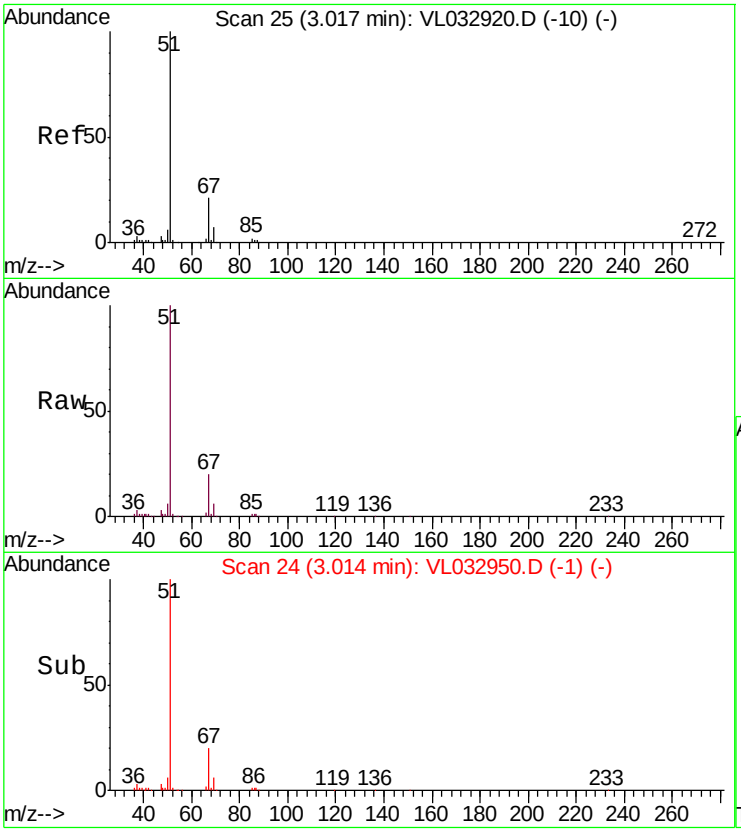




#2
Dichlorodifluoromethane
Concen: 7.787 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 85 Resp: 1525381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 25.7 | 38.5 |



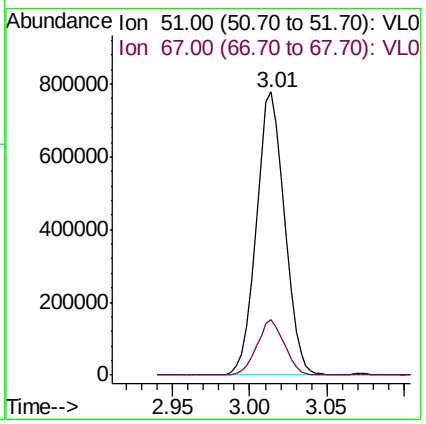


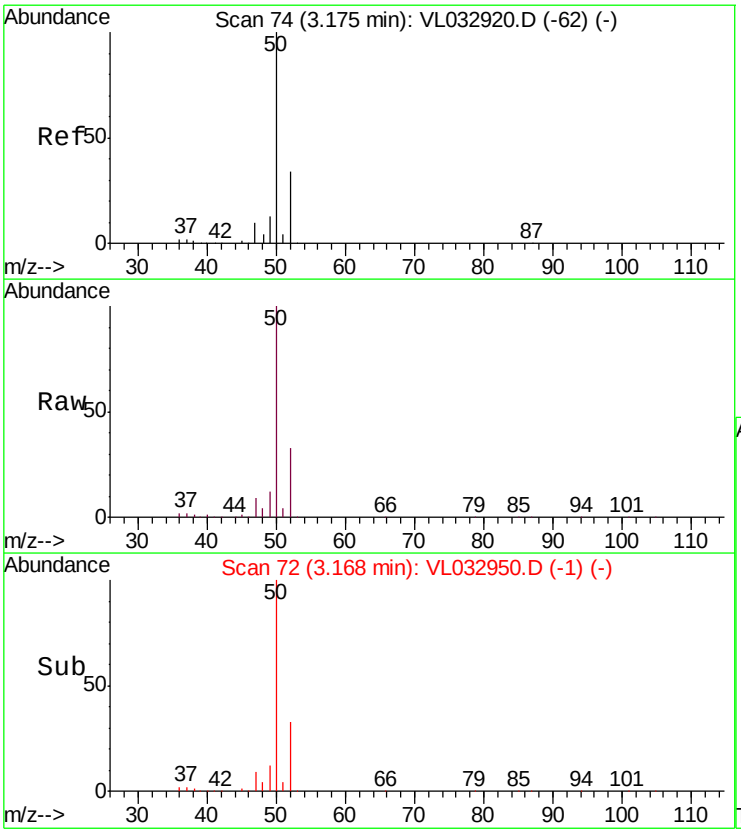

#3
Chlorodifluoromethane
Concen: 8.934 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 51 Resp: 992815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 19.3 | 16.8 | 25.2 |

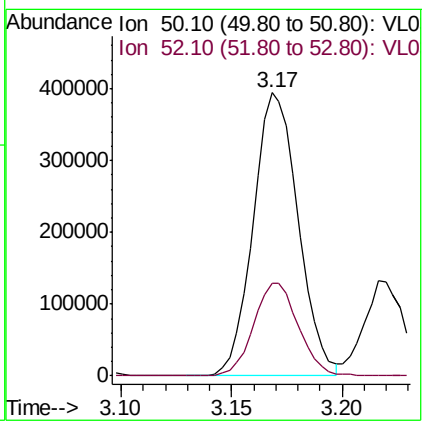


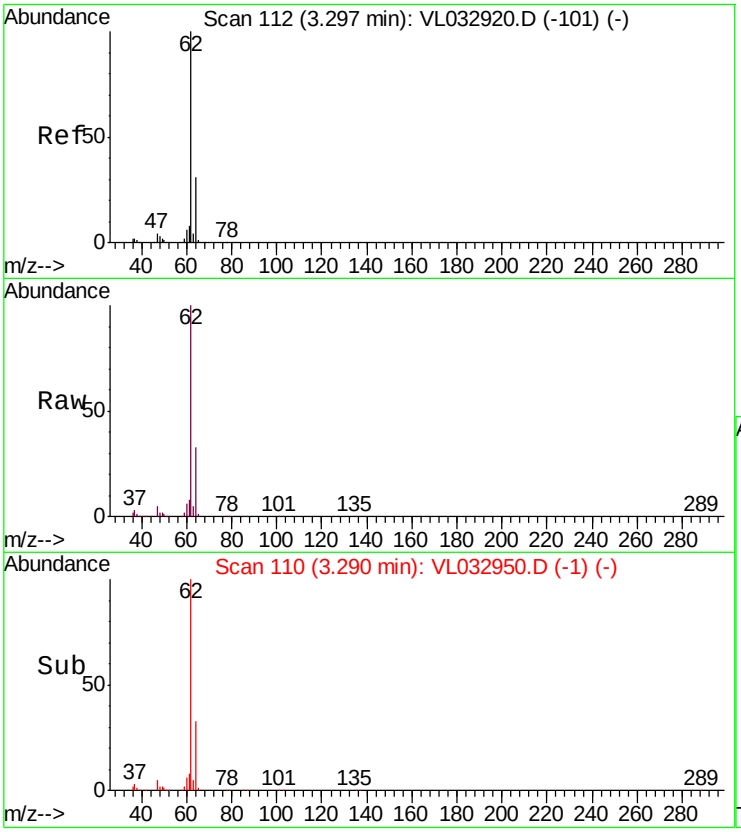




#4
Chloromethane
Concen: 8.635 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 50 Resp: 558616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.8 | 27.3 | 40.9 |



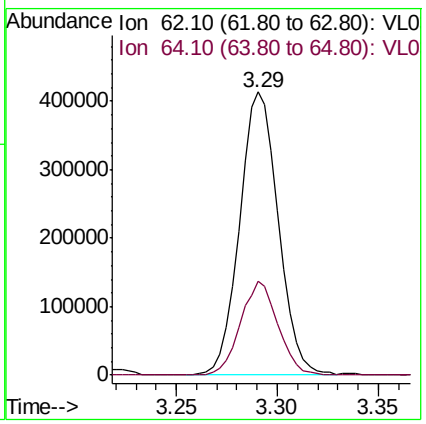


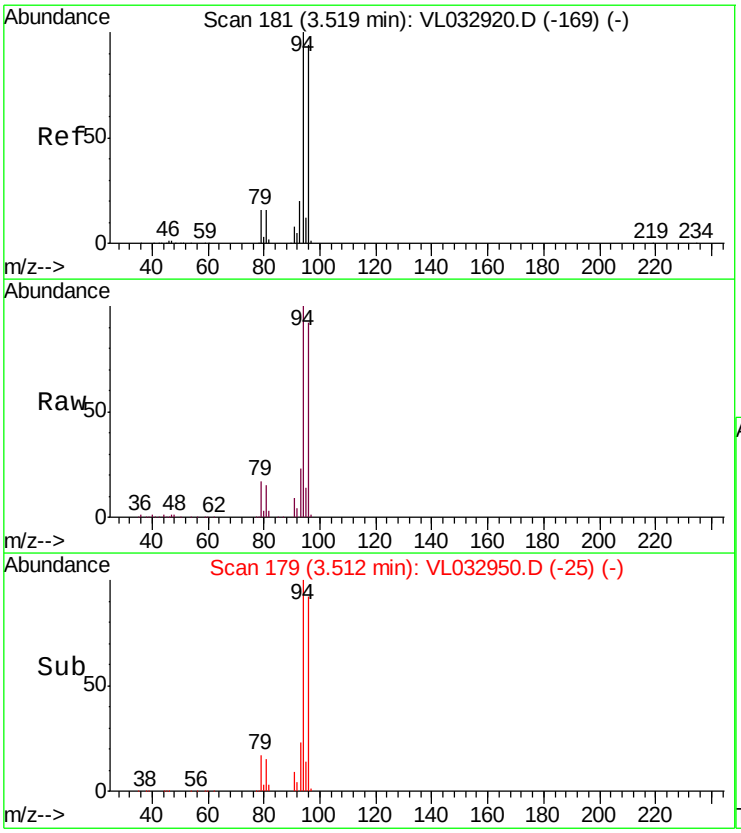

#5
Vinyl Chloride
Concen: 8.460 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 62 Resp: 556854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.2 | 24.8 | 37.2 |

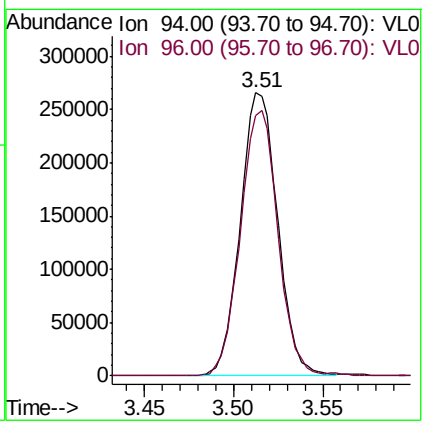


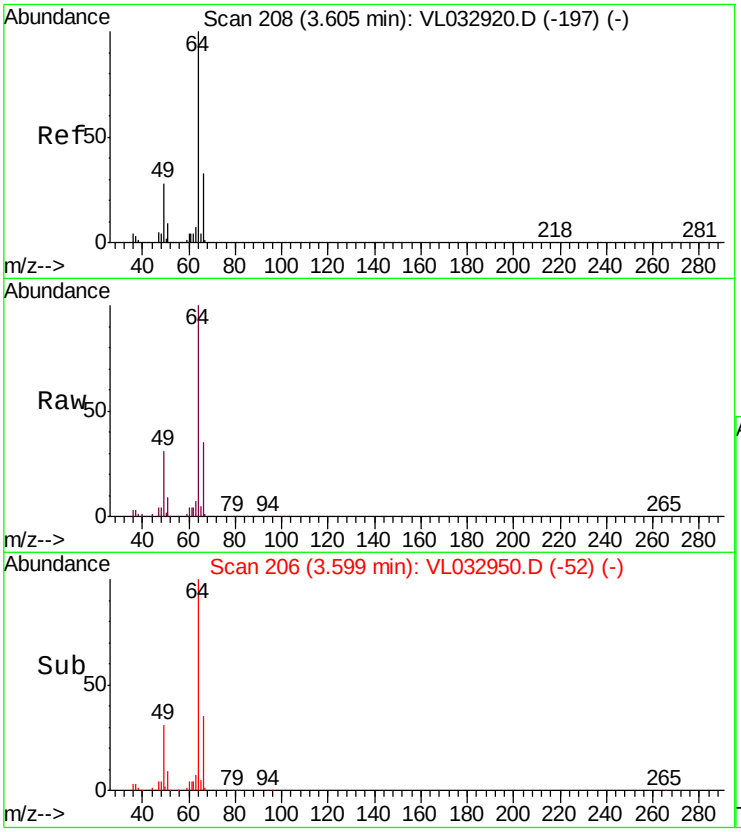




#6
Bromomethane
Concen: 9.436 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 94 Resp: 388503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.9 | 75.5 | 113.3 |



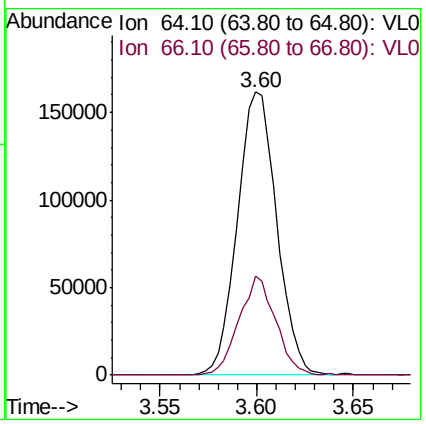


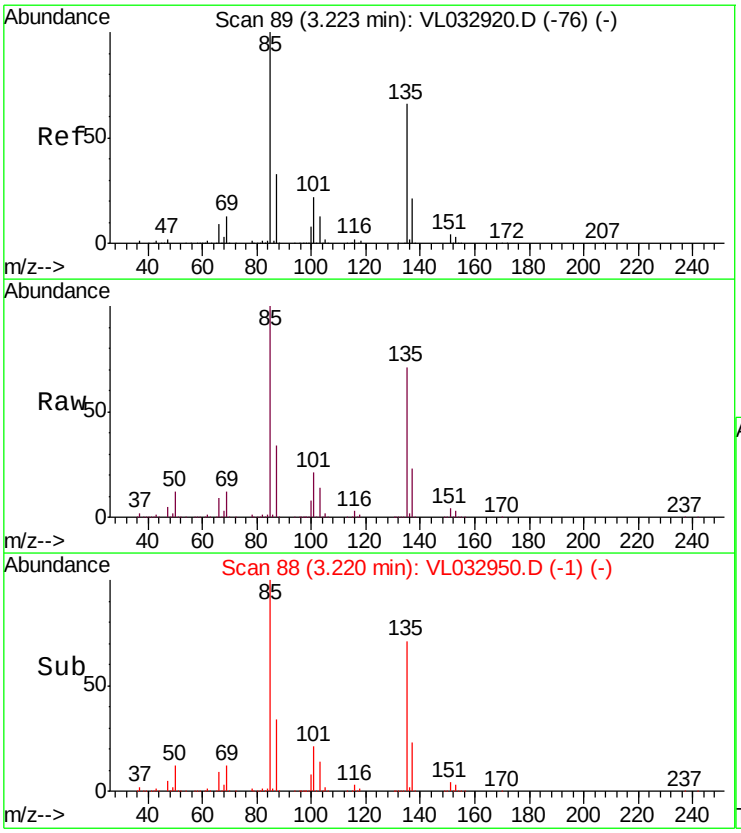

#7
Chloroethane
Concen: 9.714 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 64 Resp: 229187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.1 | 26.6 | 40.0 |

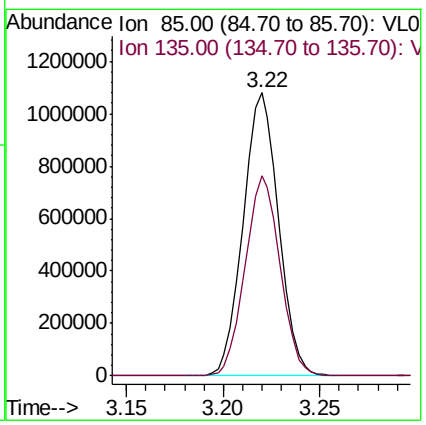


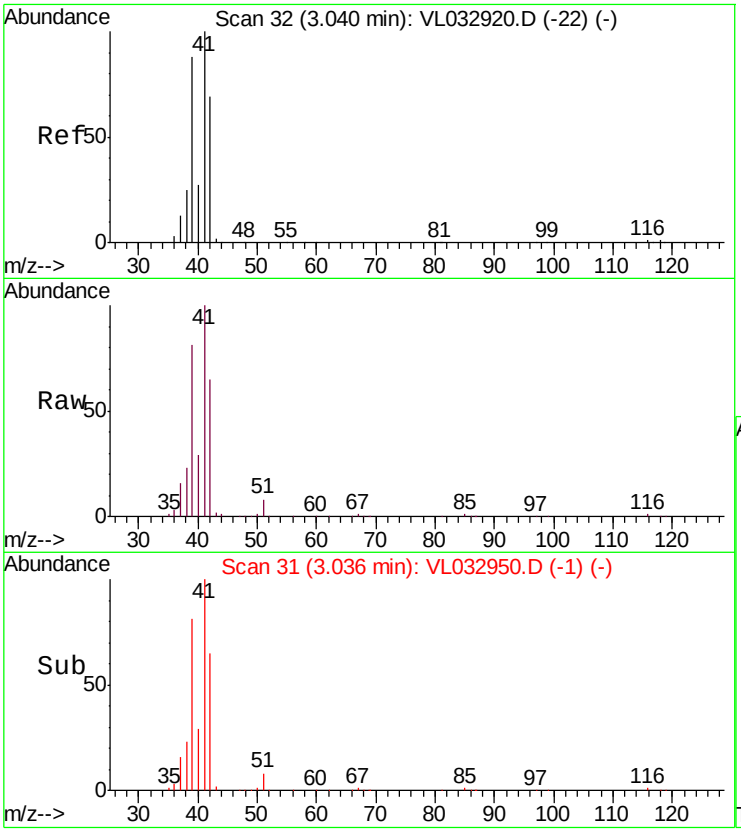




#8
Dichlorotetrafluoroethane
Concen: 8.451 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 85 Resp: 1375614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 70.0 | 54.5 | 81.7 |



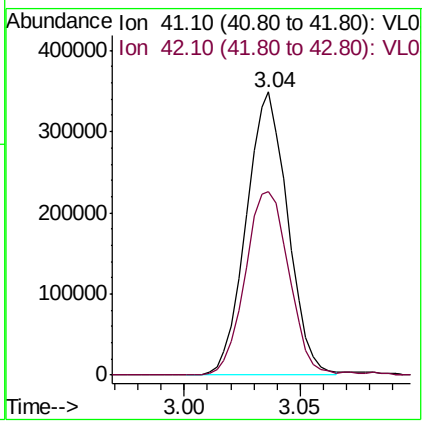


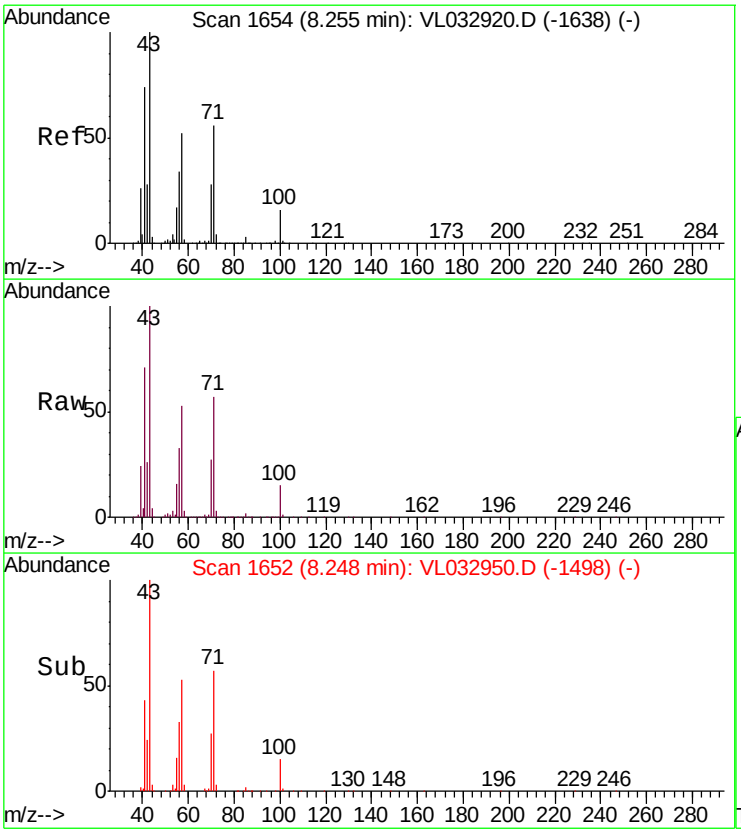

#9
Propene
Concen: 9.888 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 41 Resp: 434463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 69.4 | 56.2 | 84.2 |

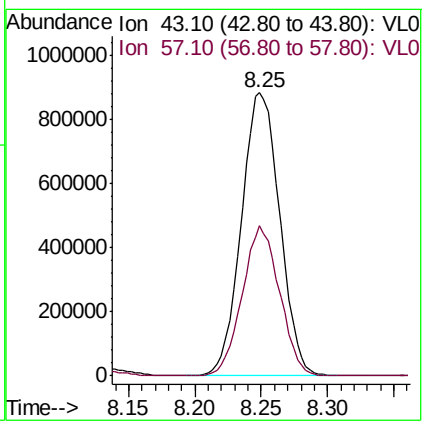


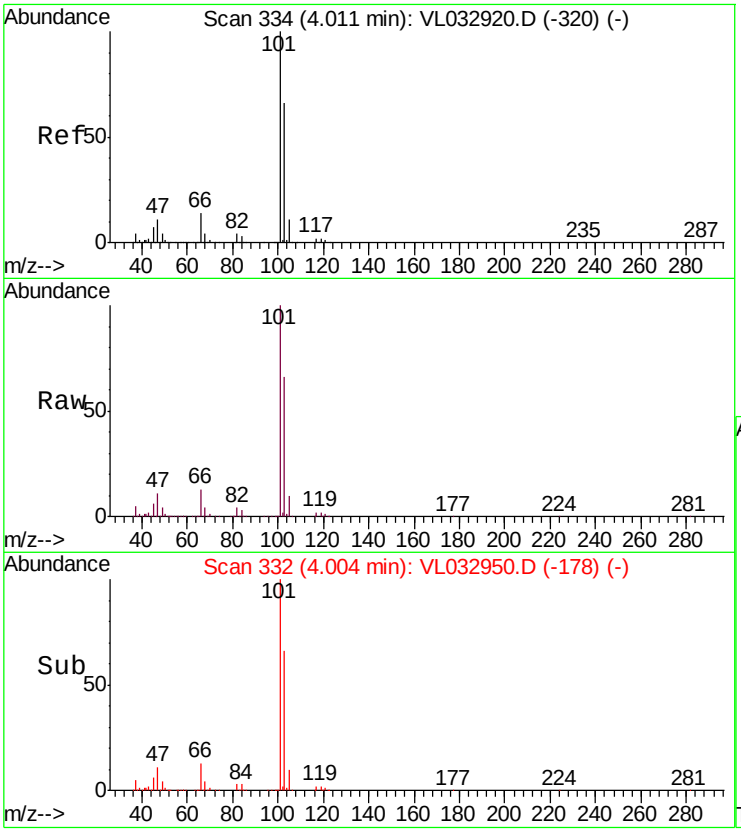




#10
Heptane
Concen: 10.744 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 43 Resp: 1773344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 51.6 | 41.8 | 62.6 |



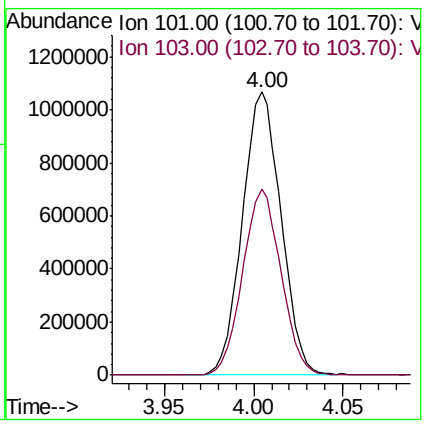


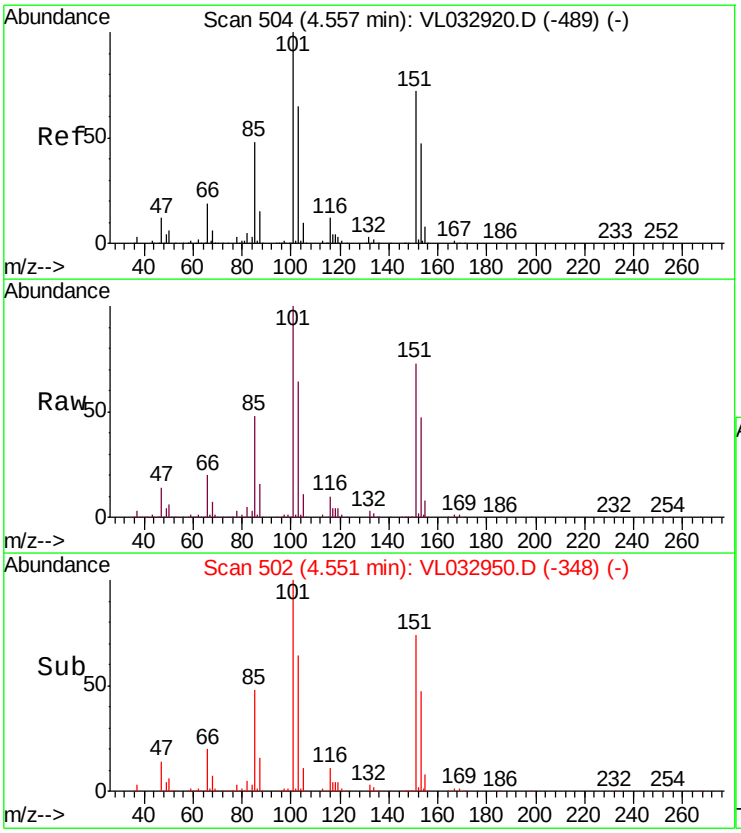

#11
Trichlorofluoromethane
Concen: 8.795 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:101 Resp: 1623134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 52.7 | 79.1 |

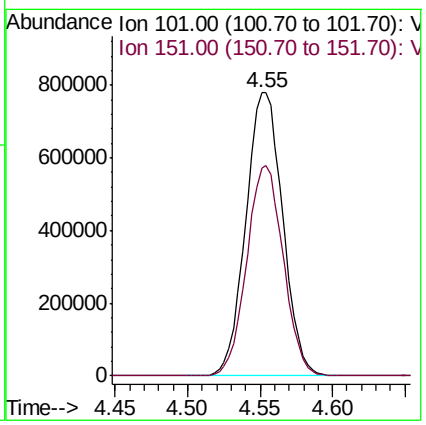


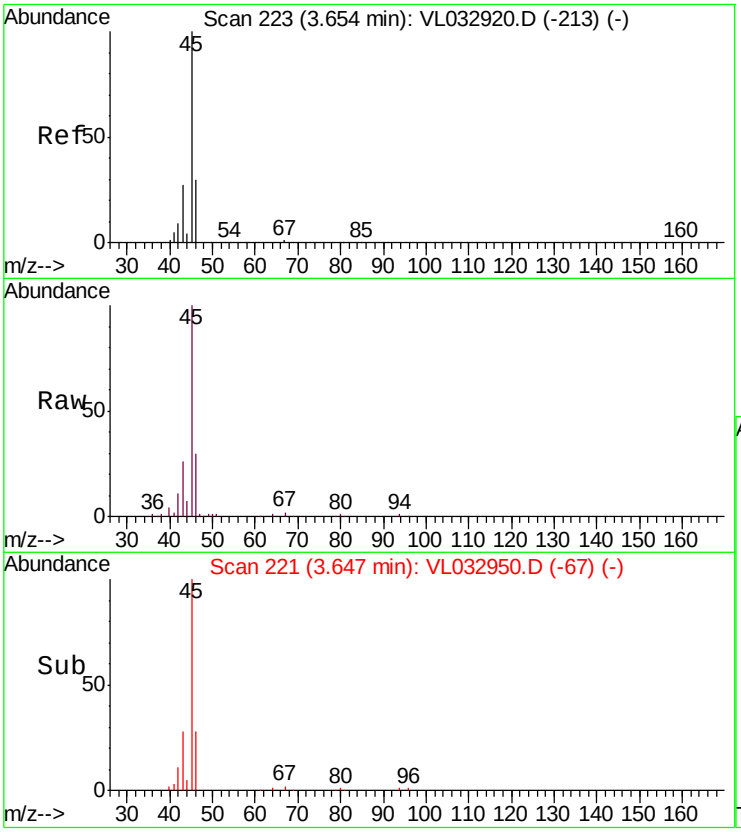




#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.776 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:101 Resp: 1381716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 73.7 | 59.3 | 88.9 |



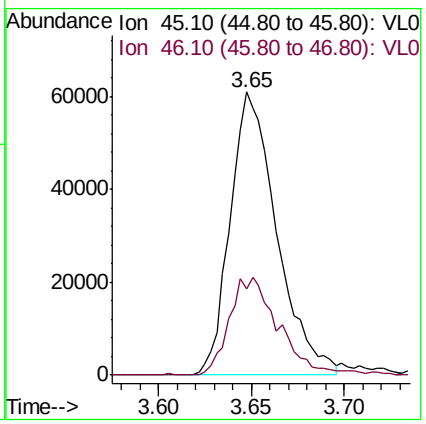


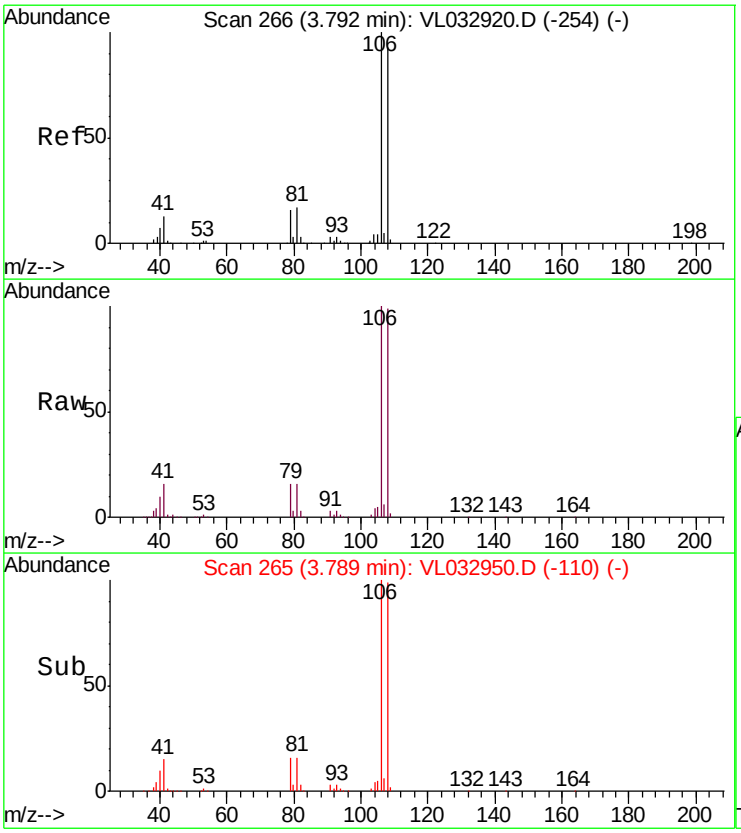

#13
Ethanol
Concen: 7.022 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 45 Resp: 106234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 37.1 | 13.8 | 55.4 |

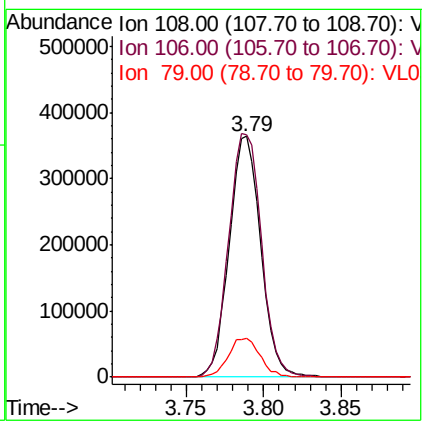


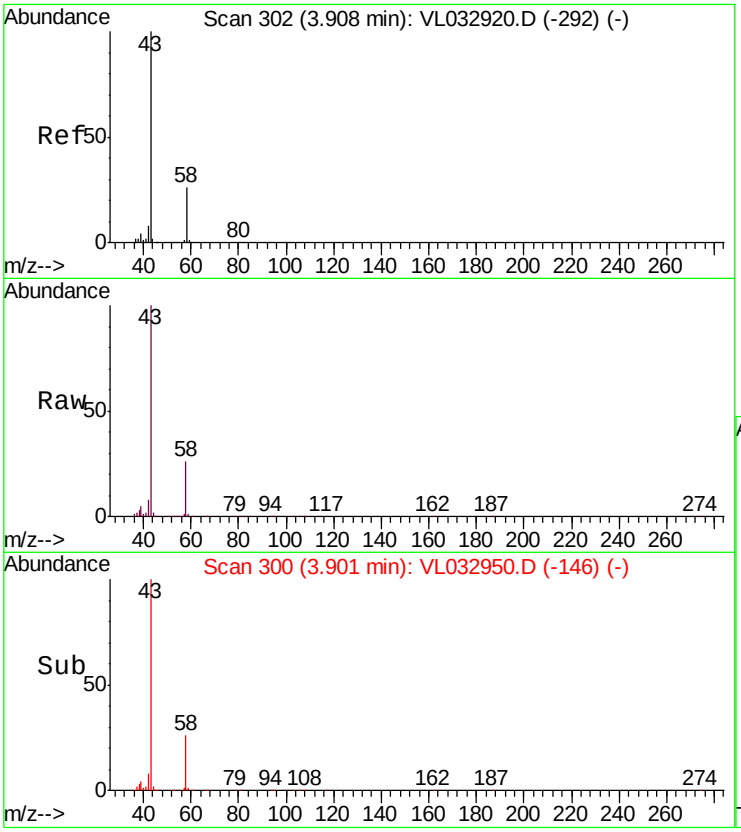




#14
Bromoethene
Concen: 9.815 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:108 Resp: 513064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 105.9 | 85.4 | 128.2 |
| 79 | 16.5 | 14.6 | 21.8 |



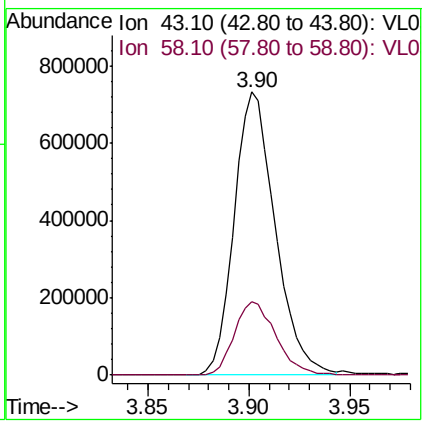


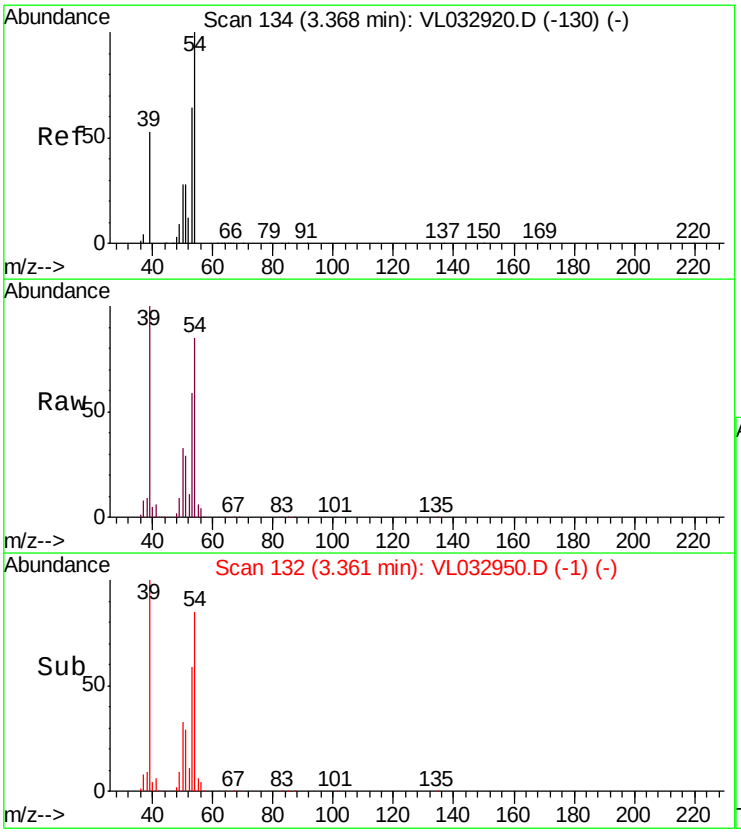

#15
Acetone
Concen: 8.310 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 43 Resp: 1046625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.6 | 20.6 | 30.8 |

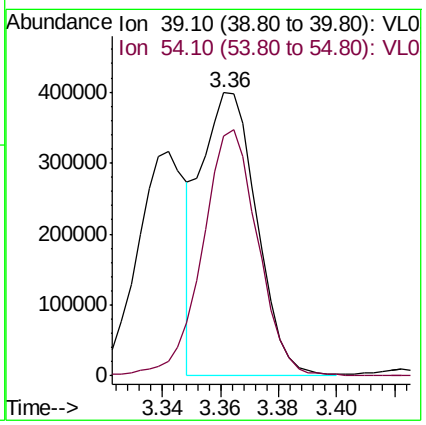


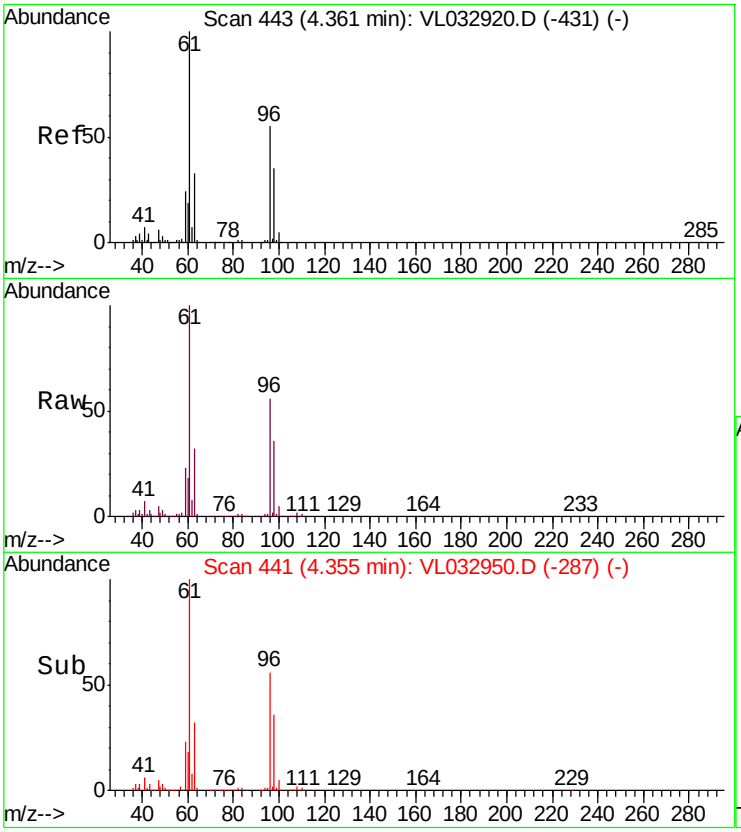




#16
1,3-Butadiene
Concen: 10.612 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 39 Resp: 530235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 87.3 | 72.7 | 109.1 |



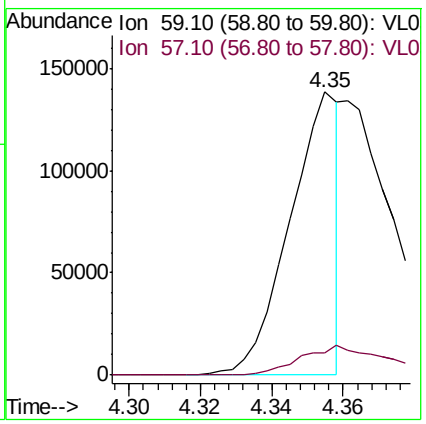


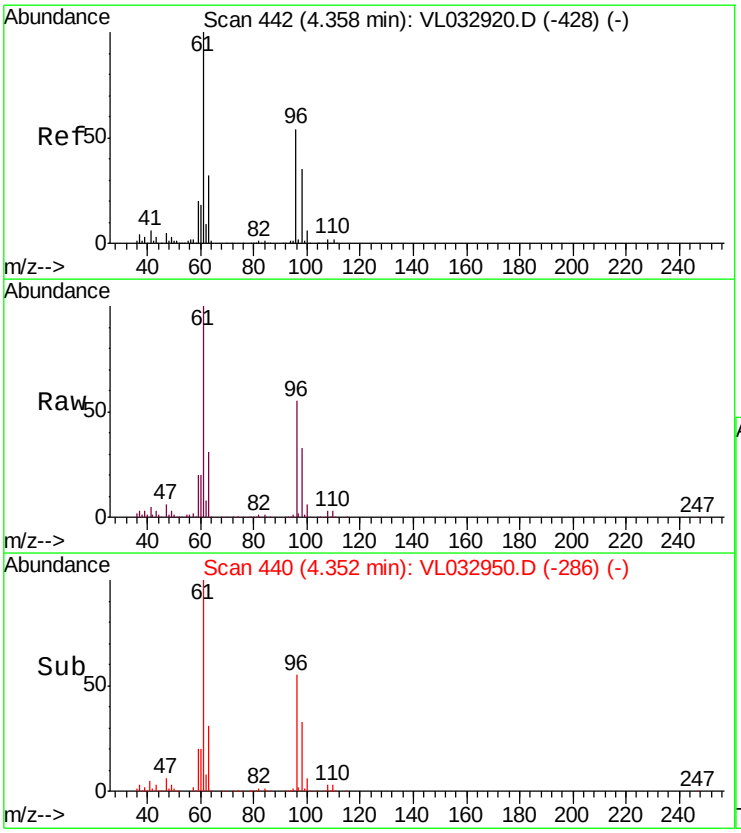

#17
tert-Butyl alcohol
Concen: 4.109 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 59 Resp: 131763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 19.8 | 0.6 | 1.0# |

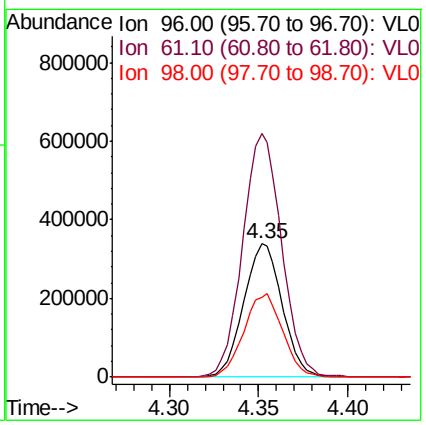


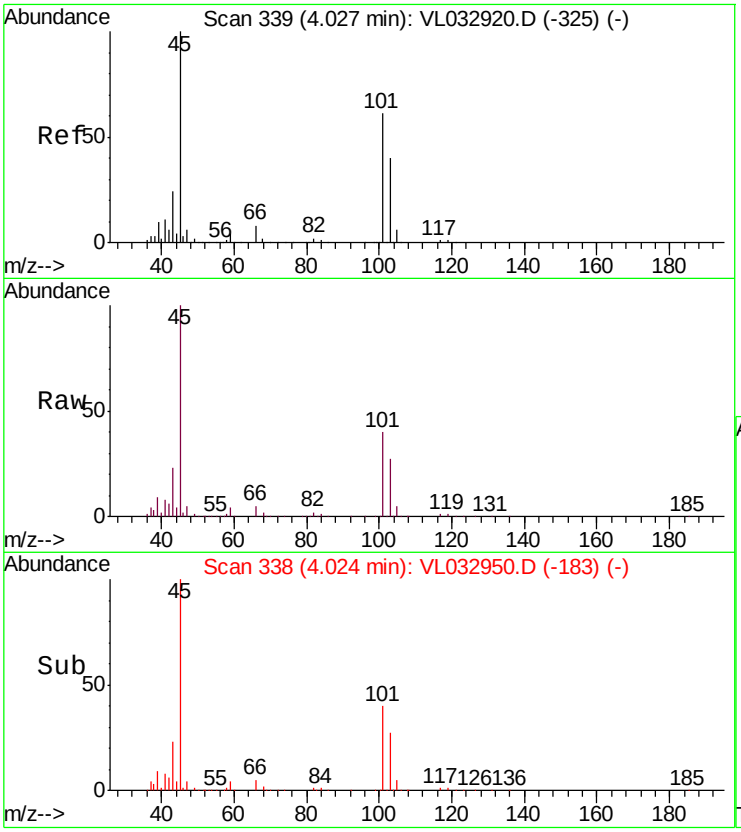




#18
1,1-Dichloroethene
Concen: 8.308 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 96 Resp: 512289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 182.7 | 147.0 | 220.4 |
| 98 | 60.0 | 50.7 | 76.1 |



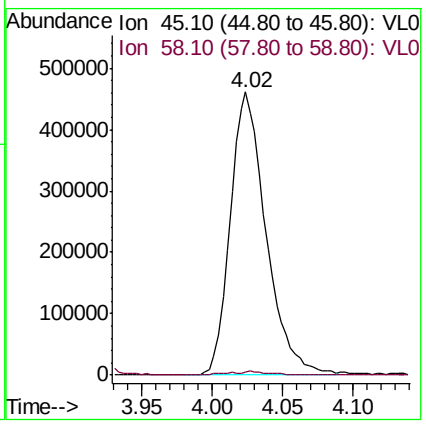


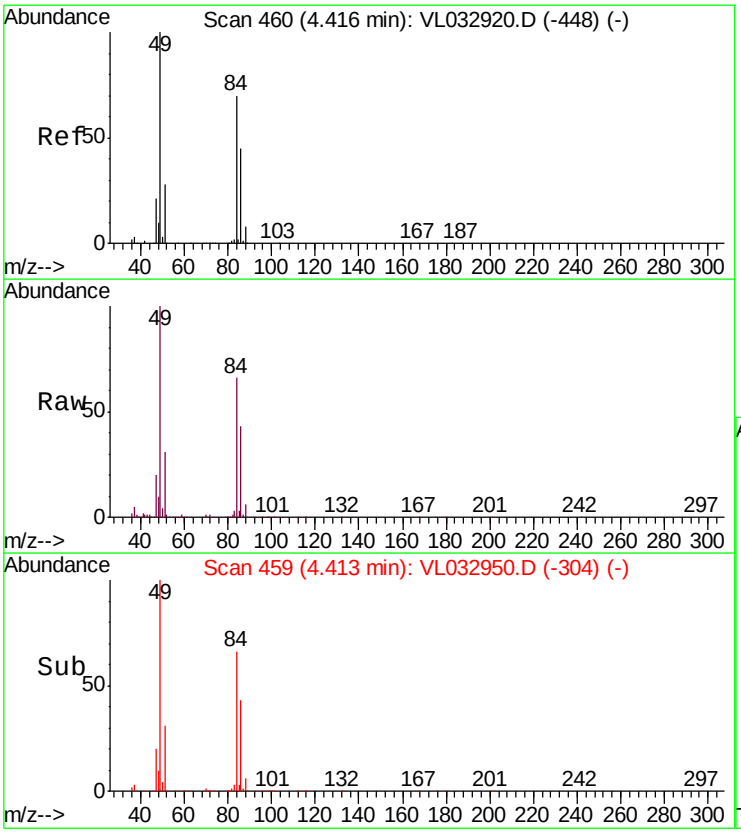

#19
Isopropyl Alcohol
Concen: 10.329 ppbv
RT: 4.02 min Scan# 338
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 45 Resp: 816915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 1.7 | 1.4 | 2.2 |

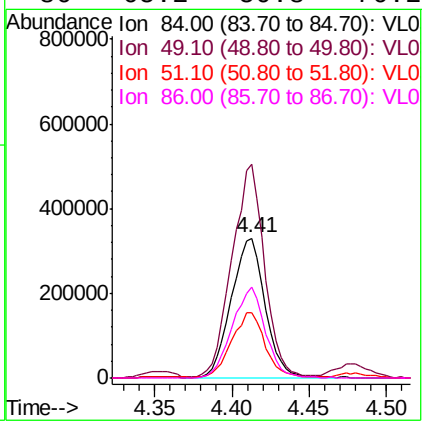


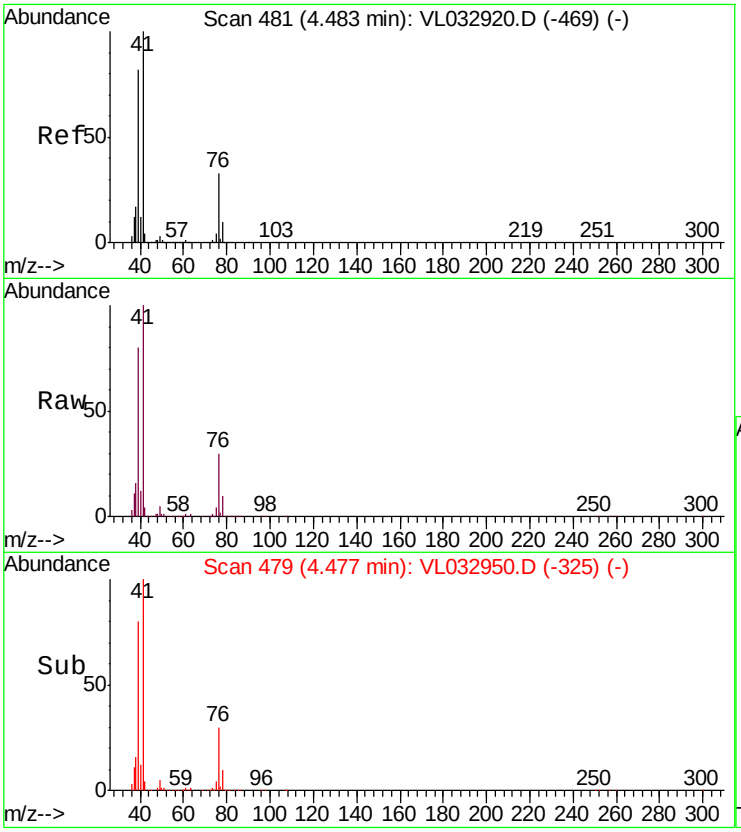




#20
Methylene Chloride
Concen: 8.099 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 84 Resp: 498540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 151.6 | 113.8 | 170.8 |
| 51 | 46.2 | 31.8 | 47.8 |
| 86 | 65.2 | 50.8 | 76.2 |



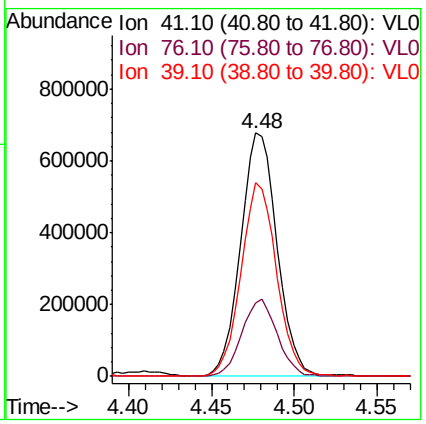


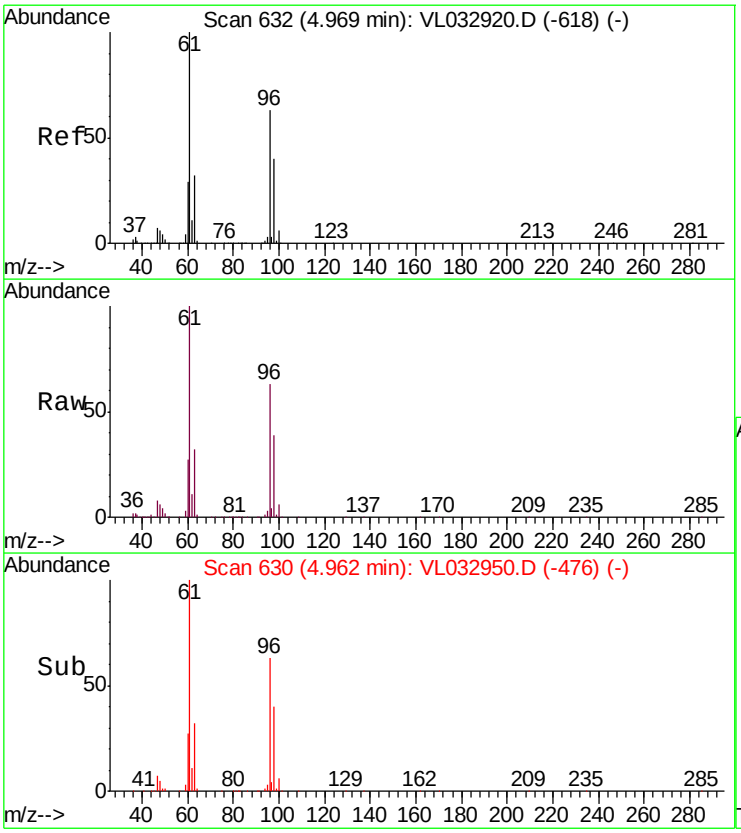

#21
Allyl Chloride
Concen: 10.036 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 41 Resp: 1030082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 31.0 | 25.2 | 37.8 |
| 39 | 78.1 | 65.2 | 97.8 |

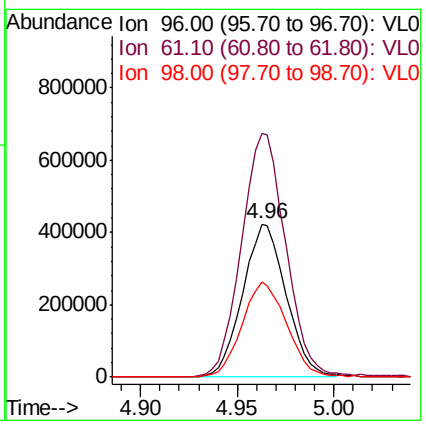


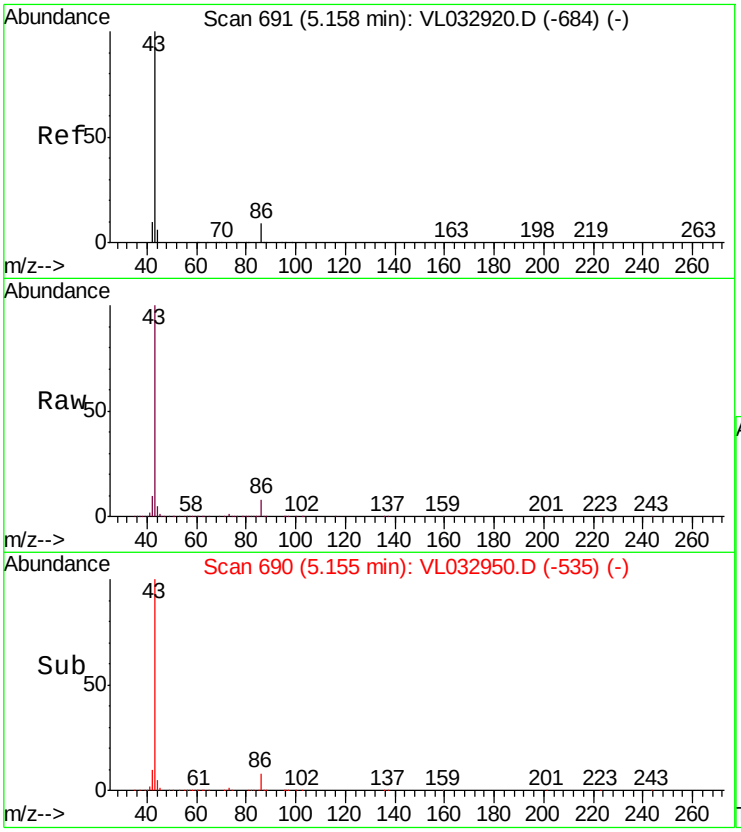




#22
trans-1,2-Dichloroethene
Concen: 8.671 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 96 Resp: 663616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.2 | 127.1 | 190.7 |
| 98 | 62.6 | 51.3 | 76.9 |



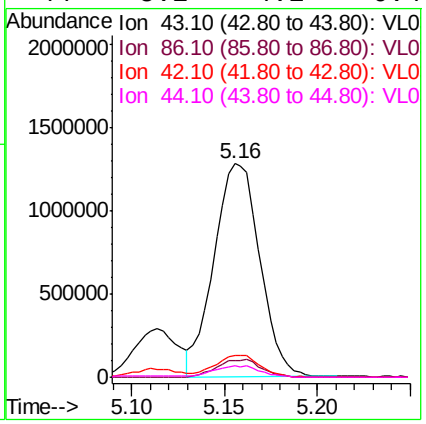


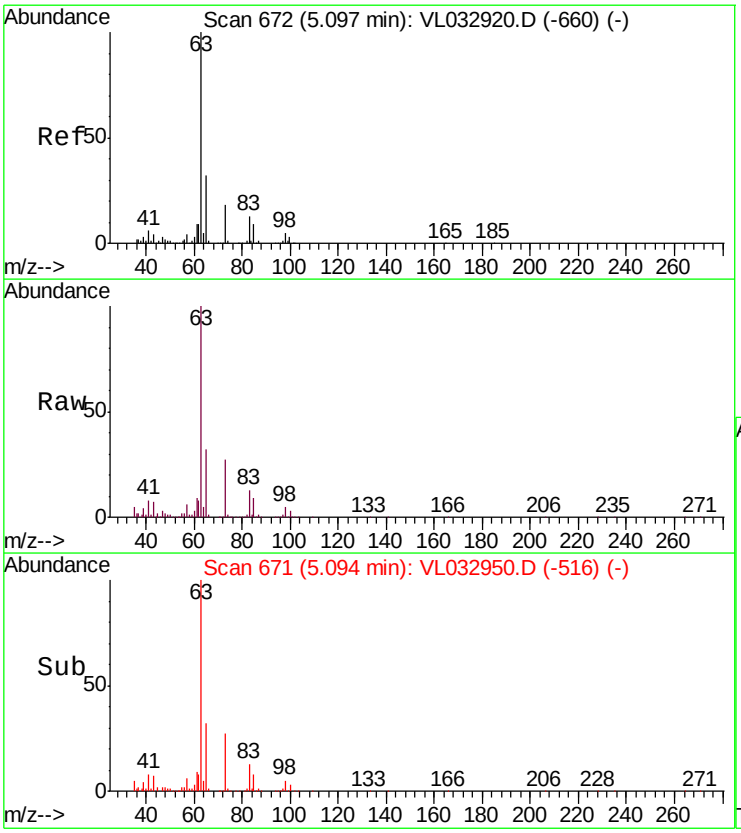

#23
Vinyl Acetate
Concen: 10.310 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 43 Resp: 2198367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 8.1 | 6.6 | 9.8 |
| 42 | 10.2 | 8.3 | 12.5 |
| 44 | 5.2 | 4.2 | 6.4 |

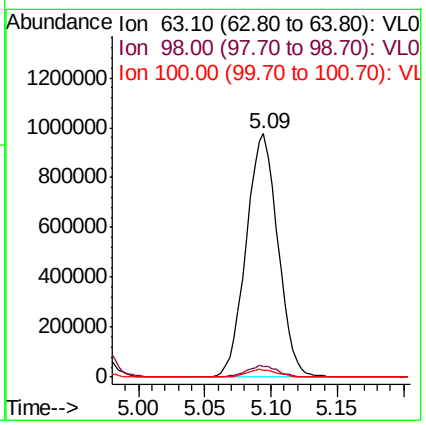


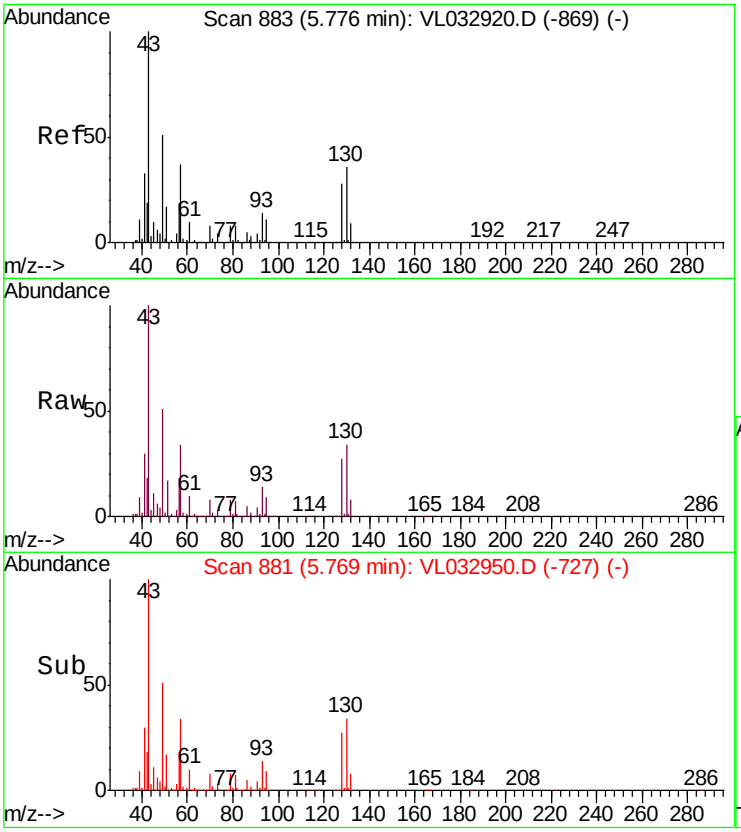




#24
1,1-Dichloroethane
Concen: 8.760 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 63 Resp: 1624366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.6 | 2.5 | 7.5 |
| 100 | 2.9 | 1.4 | 4.2 |



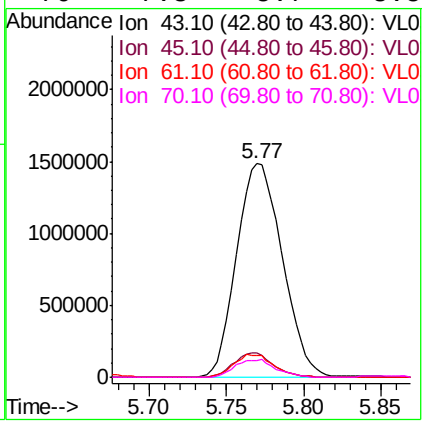


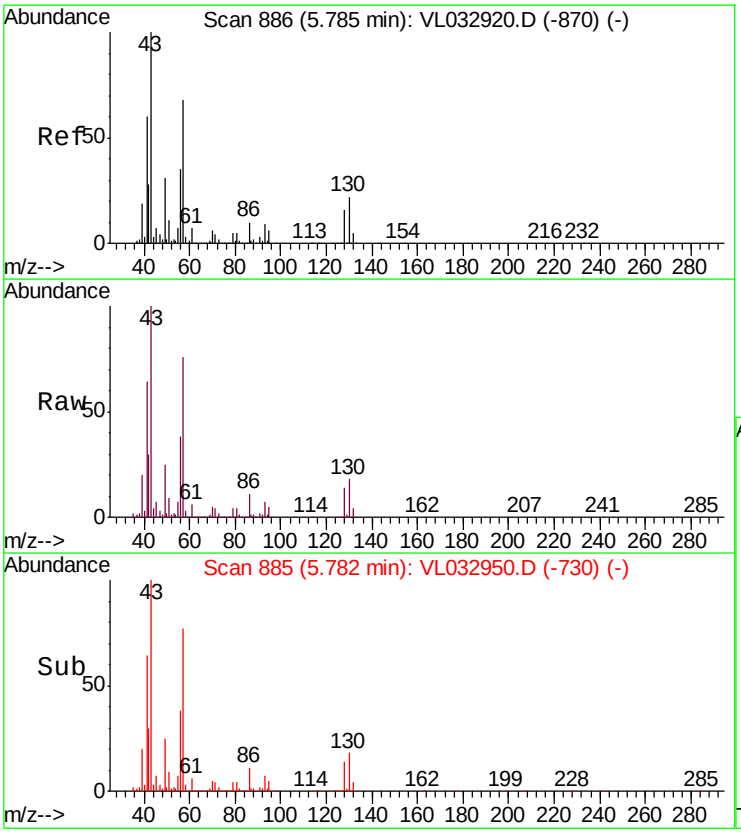

#25
Ethyl Acetate
Concen: 10.255 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 43 Resp: 3051016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 9.9 | 7.8 | 11.6 |
| 61 | 9.4 | 7.4 | 11.2 |
| 70 | 7.3 | 5.7 | 8.5 |

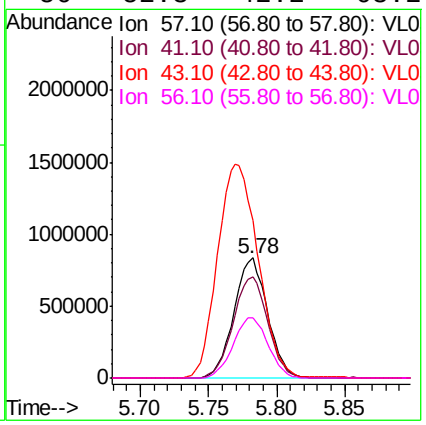


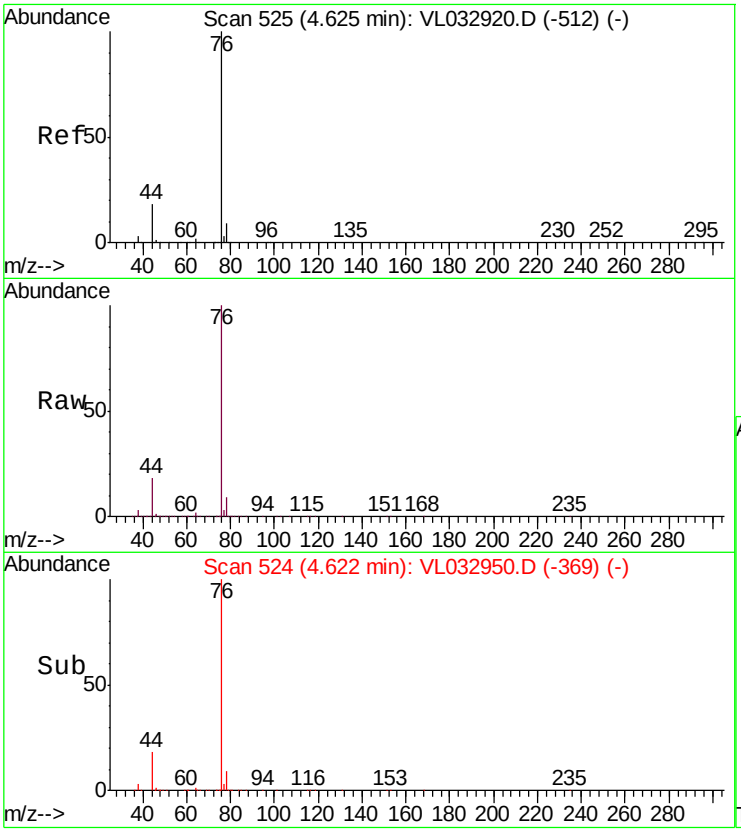




#26
Hexane
Concen: 10.357 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 57 Resp: 1422569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 87.5 | 72.2 | 108.2 |
| 43 | 216.2 | 171.9 | 257.9 |
| 56 | 52.3 | 42.2 | 63.2 |



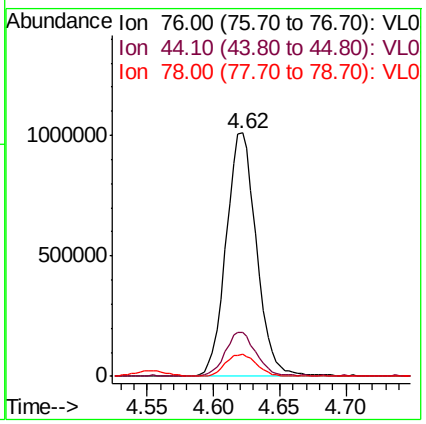


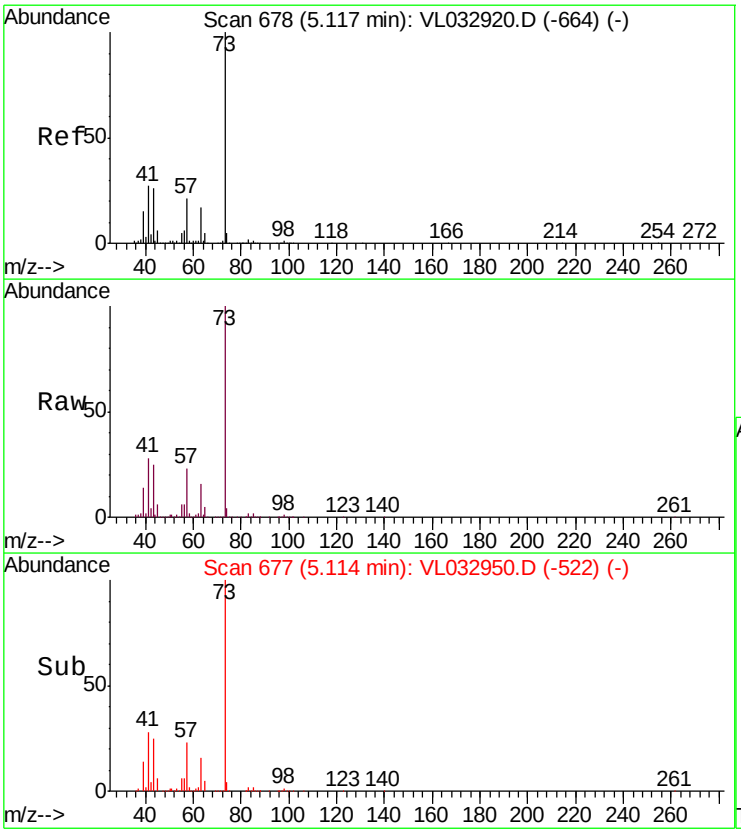

#27
Carbon Disulfide
Concen: 9.395 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 76 Resp: 1613496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 18.2 | 14.7 | 22.1 |
| 78 | 9.2 | 7.4 | 11.2 |

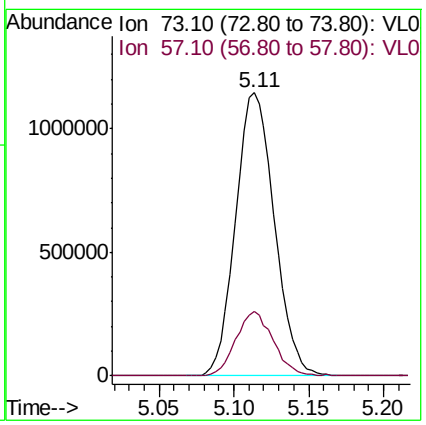


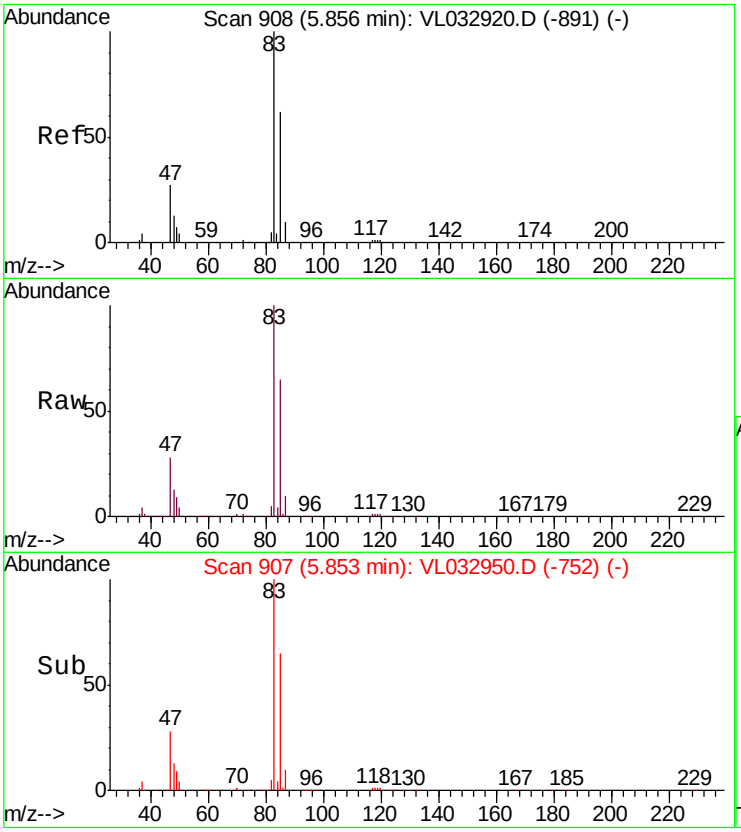




#28
Methyl tert-Butyl Ether
Concen: 10.037 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 73 Resp: 2070565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.4 | 26.0 |



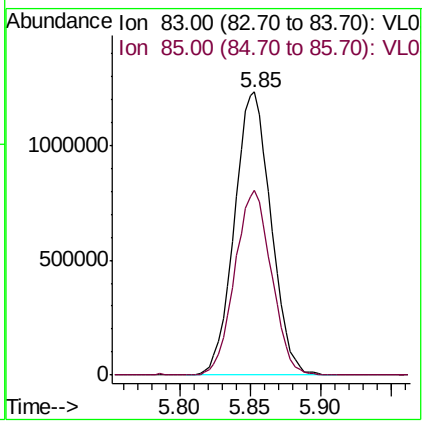


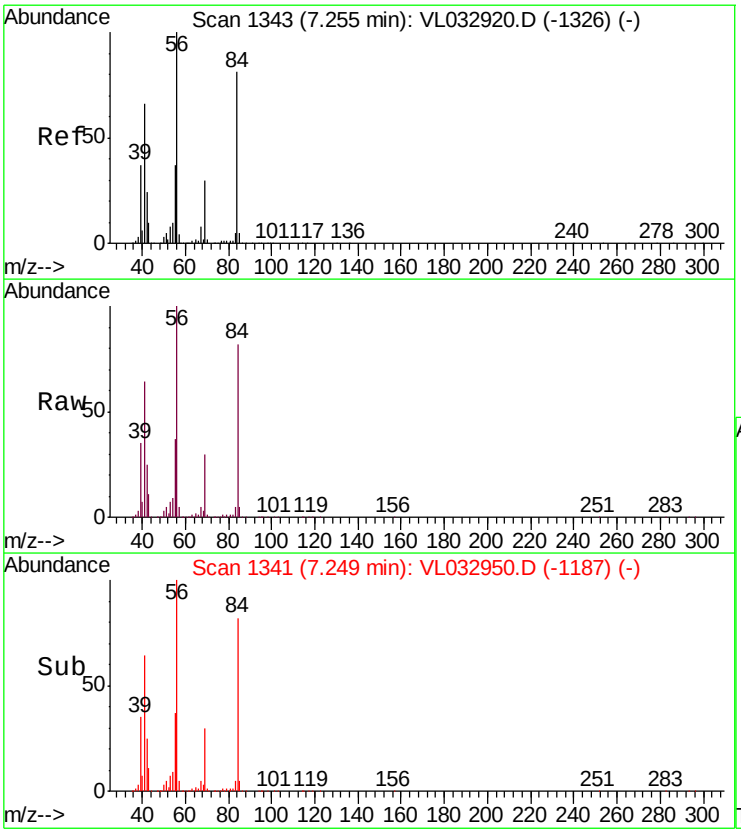

#29
Chloroform
Concen: 9.111 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 83 Resp: 2232880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 49.8 | 74.8 |

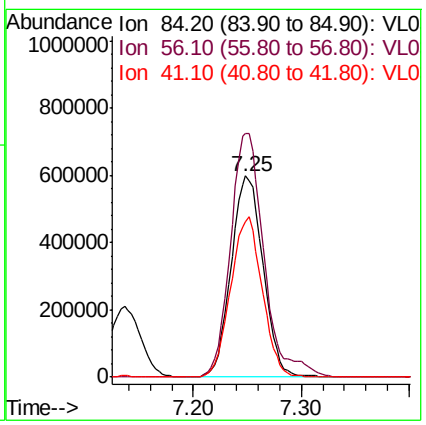


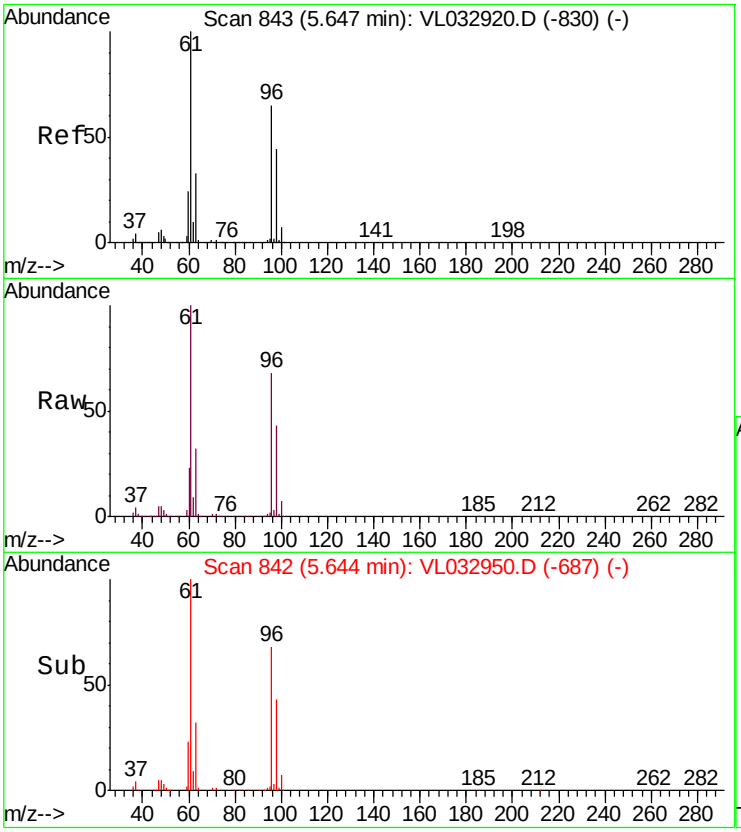




#30
Cyclohexane
Concen: 10.820 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 84 Resp: 1231768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 127.9 | 102.5 | 153.7 |
| 41 | 78.9 | 64.1 | 96.1 |



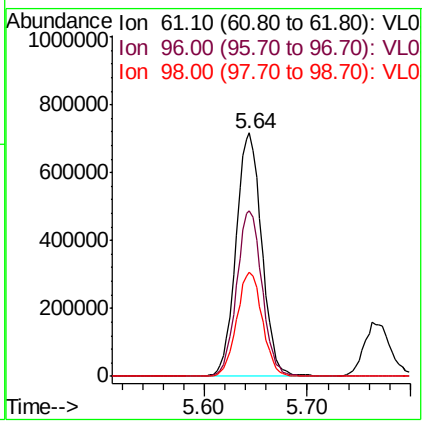


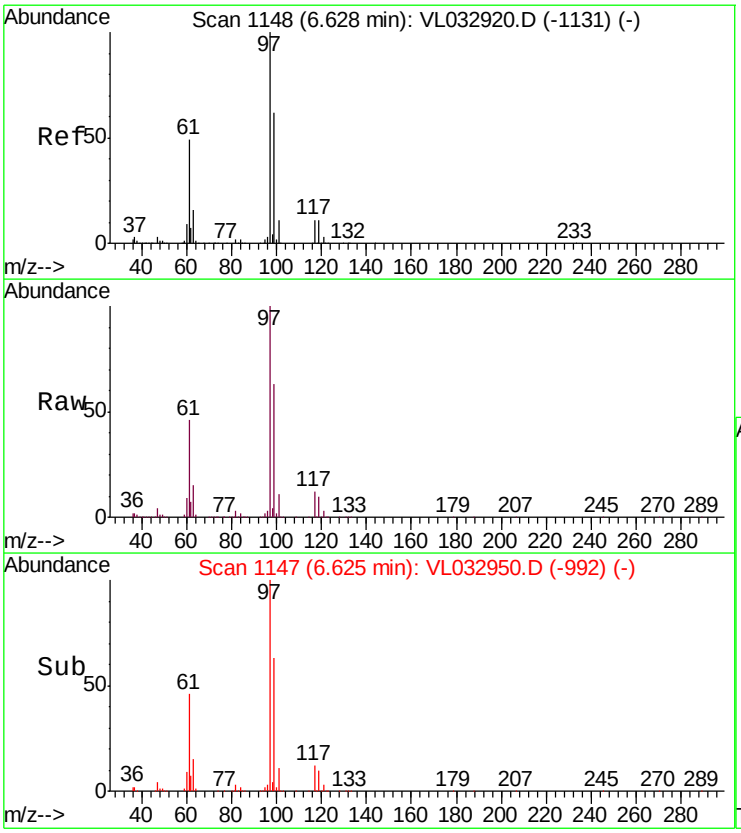

#31
cis-1,2-Dichloroethene
Concen: 9.884 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 61 Resp: 1245872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 67.7 | 51.9 | 77.9 |
| 98 | 43.0 | 35.0 | 52.4 |

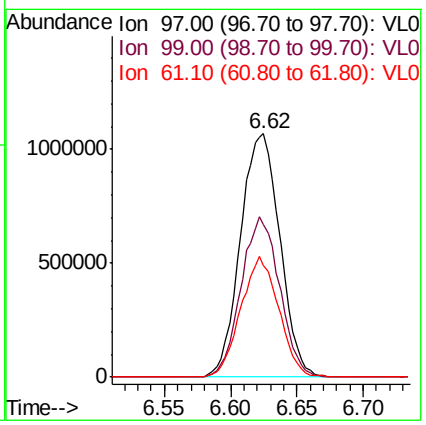


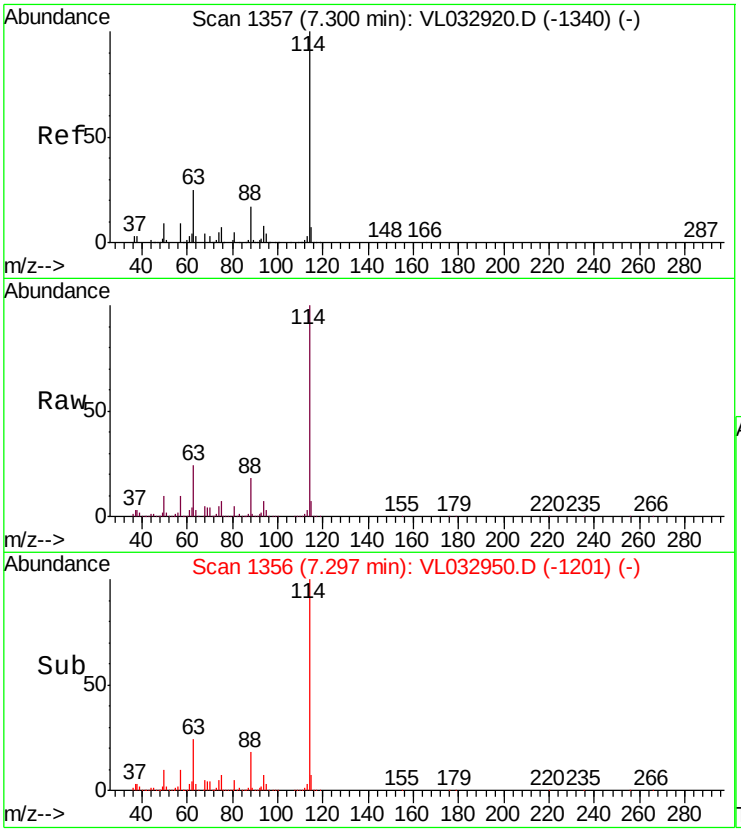




#32
1,1,1-Trichloroethane
Concen: 8.541 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 97 Resp: 2214894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.1 | 76.7 |
| 61 | 47.6 | 39.3 | 58.9 |



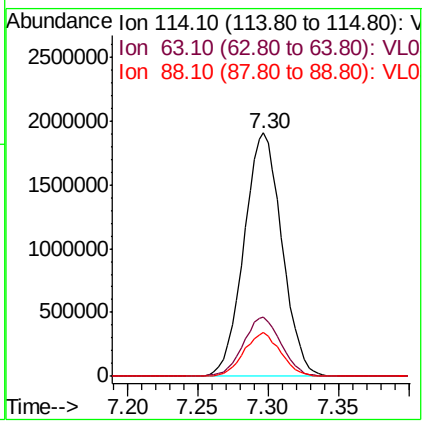


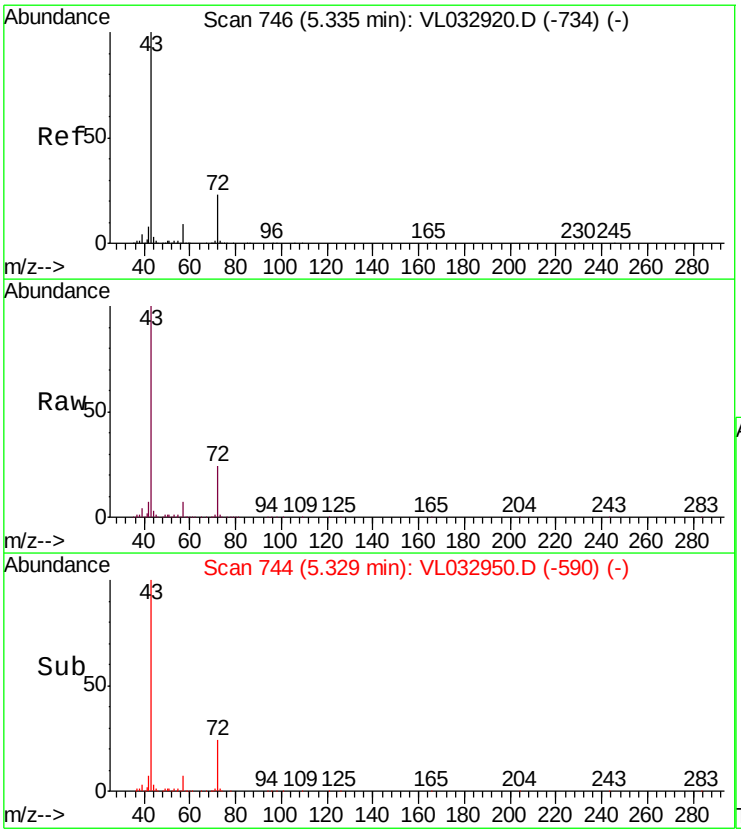

#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:114 Resp: 3592878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.5 | 20.1 | 30.1 |
| 88 | 17.4 | 14.2 | 21.4 |

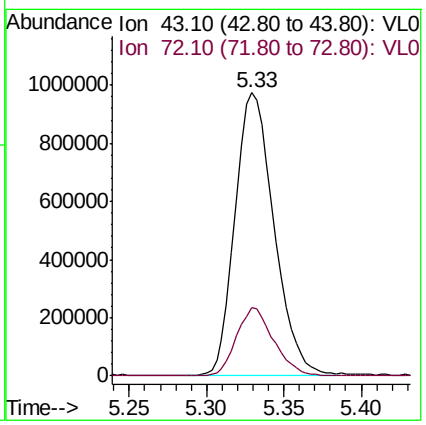


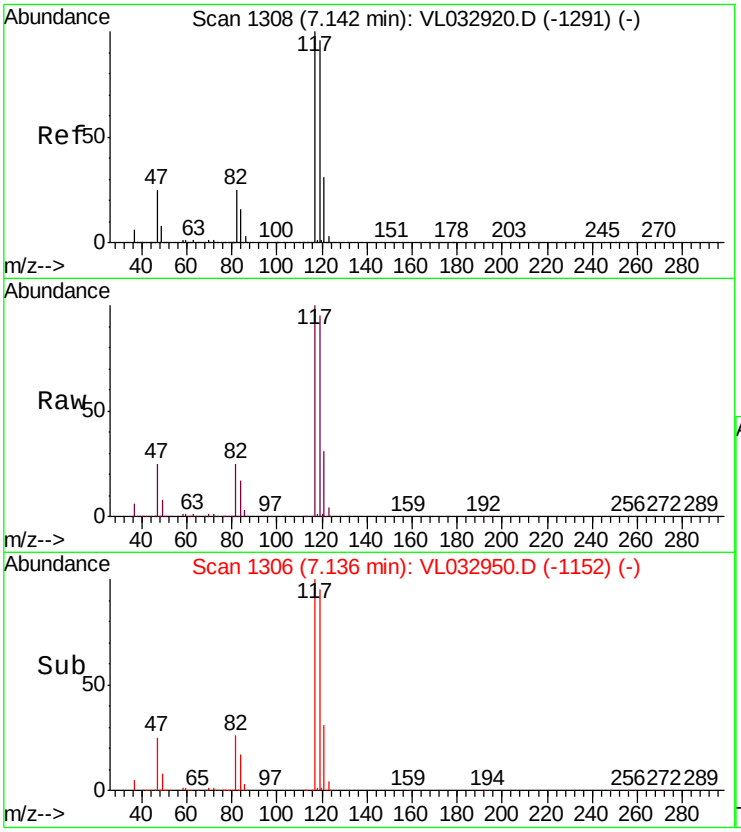




#34
2-Butanone
Concen: 10.908 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 43 Resp: 1707051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.3 | 18.8 | 28.2 |



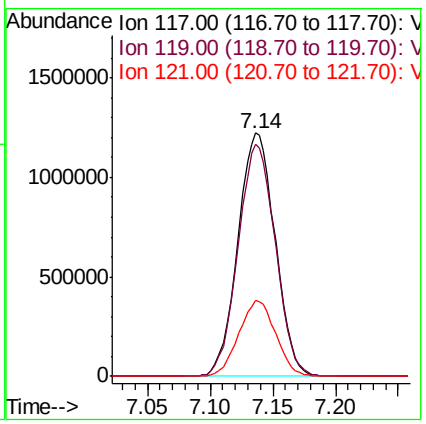


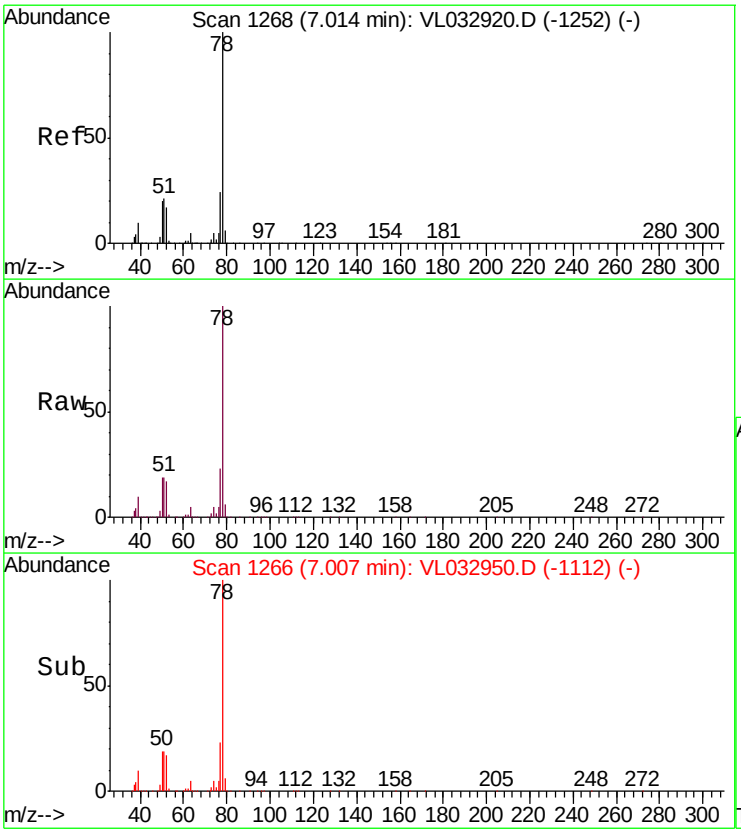

#35
Carbon Tetrachloride
Concen: 8.947 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:117 Resp: 2526775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 76.5 | 114.7 |
| 121 | 31.3 | 24.5 | 36.7 |

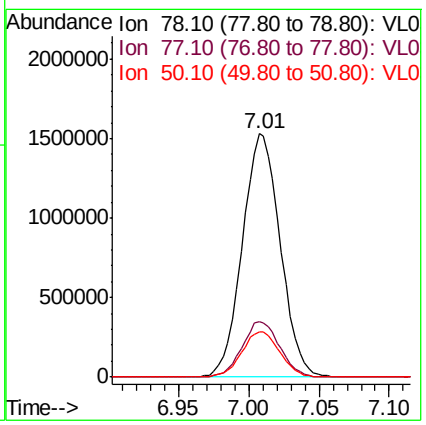


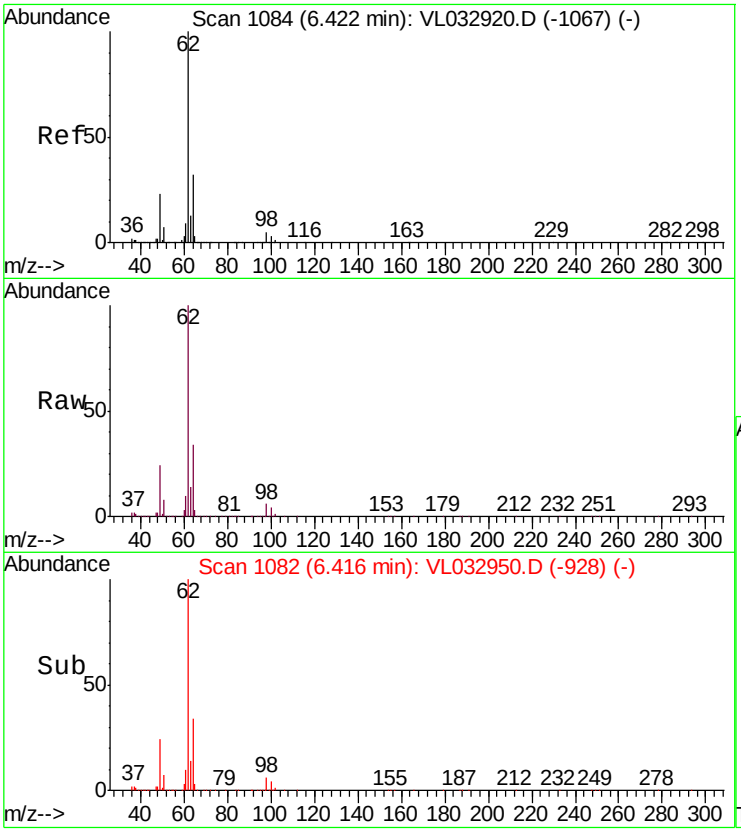




#36
Benzene
Concen: 10.882 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 78 Resp: 2875655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.8 | 18.9 | 28.3 |
| 50 | 18.6 | 16.1 | 24.1 |



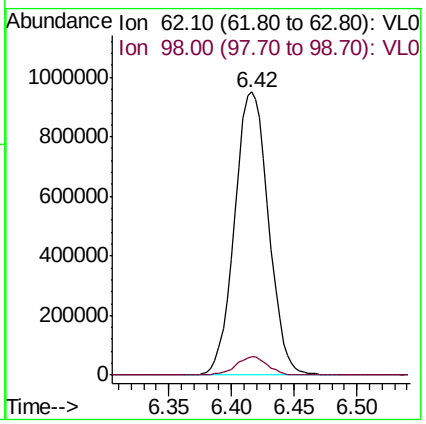


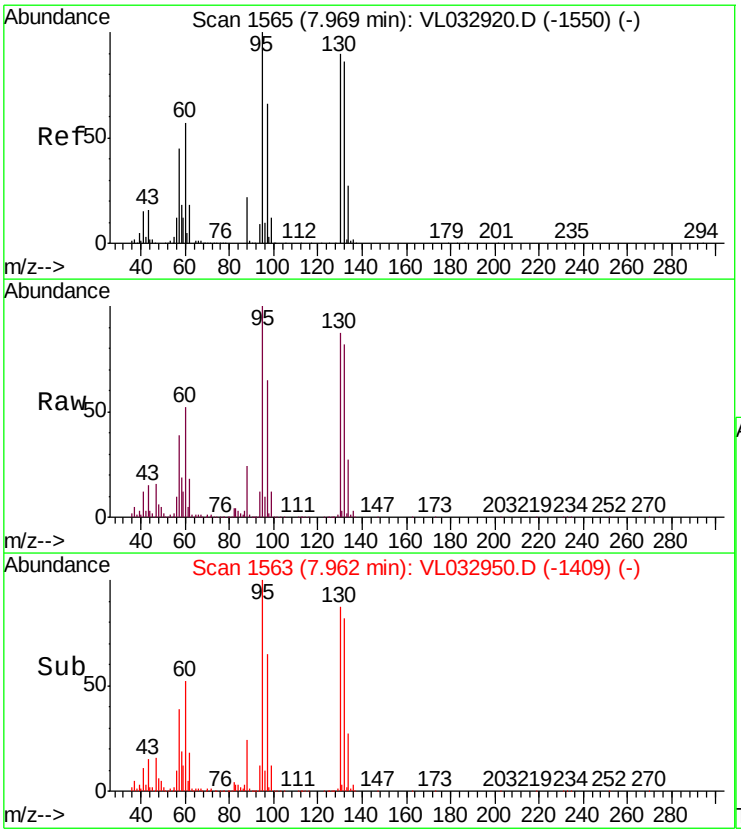

#37
1,2-Dichloroethane
Concen: 9.931 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 62 Resp: 1786715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 6.1 | 4.3 | 6.5 |

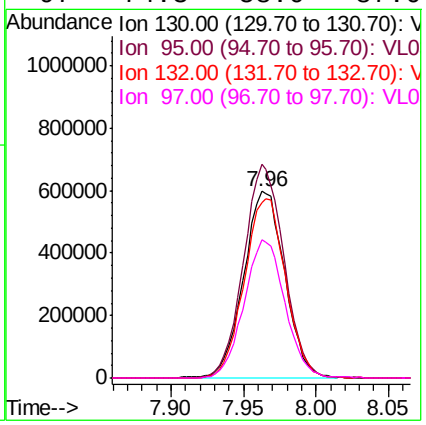


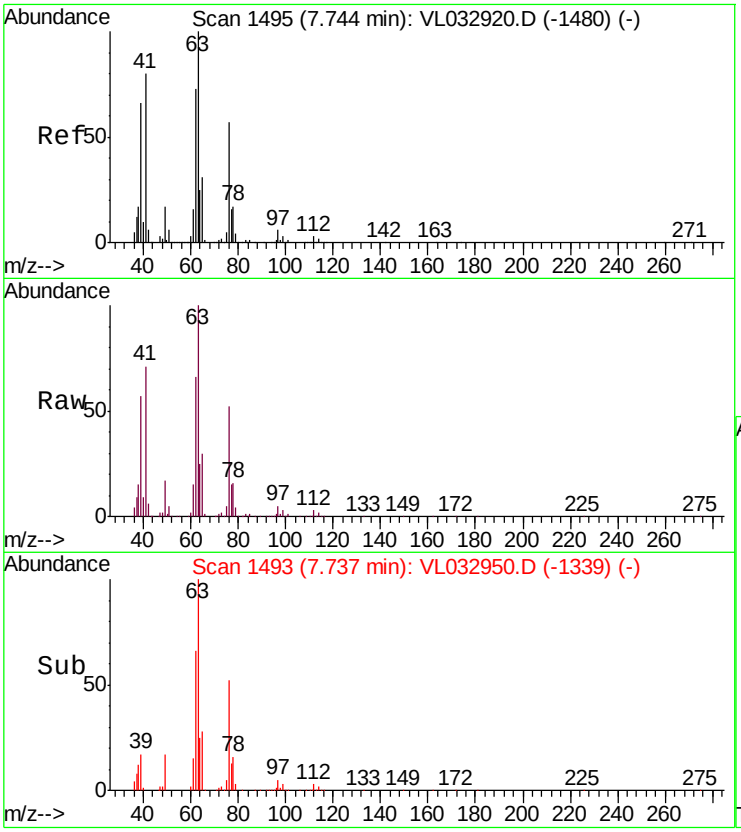




#38
Trichloroethene
Concen: 10.634 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:130 Resp: 1169488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 114.9 | 88.6 | 132.8 |
| 132 | 94.1 | 76.1 | 114.1 |
| 97 | 74.3 | 58.0 | 87.0 |



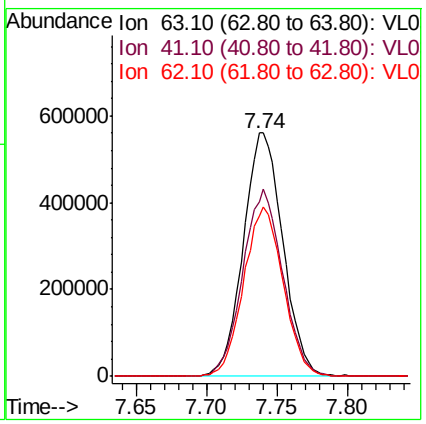


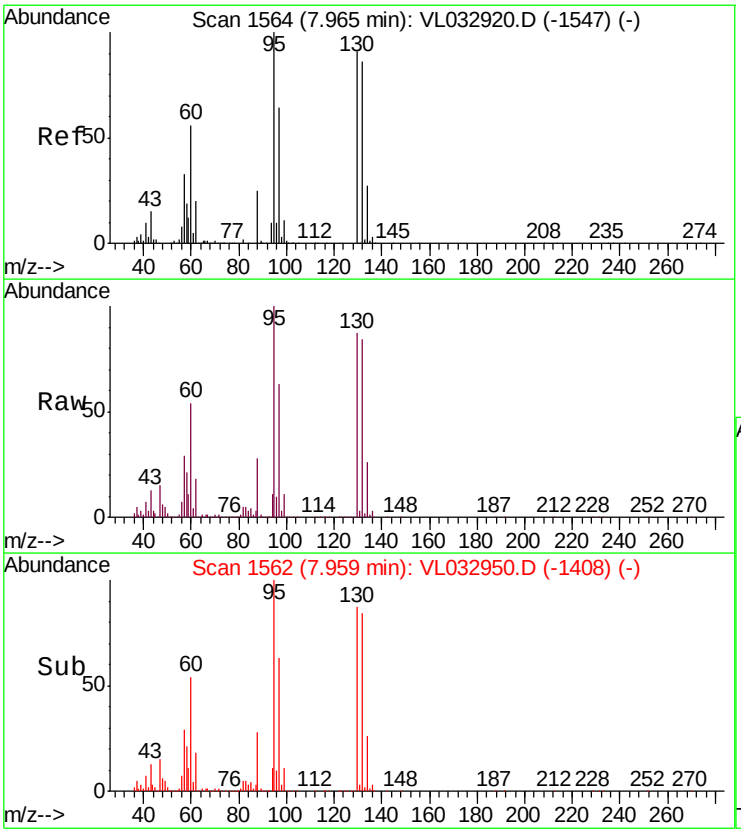

#39
1,2-Dichloropropane
Concen: 10.989 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 63 Resp: 1101348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 71.4 | 63.9 | 95.9 |
| 62 | 66.0 | 58.8 | 88.2 |

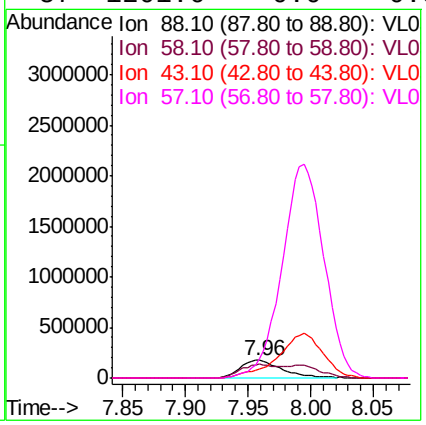


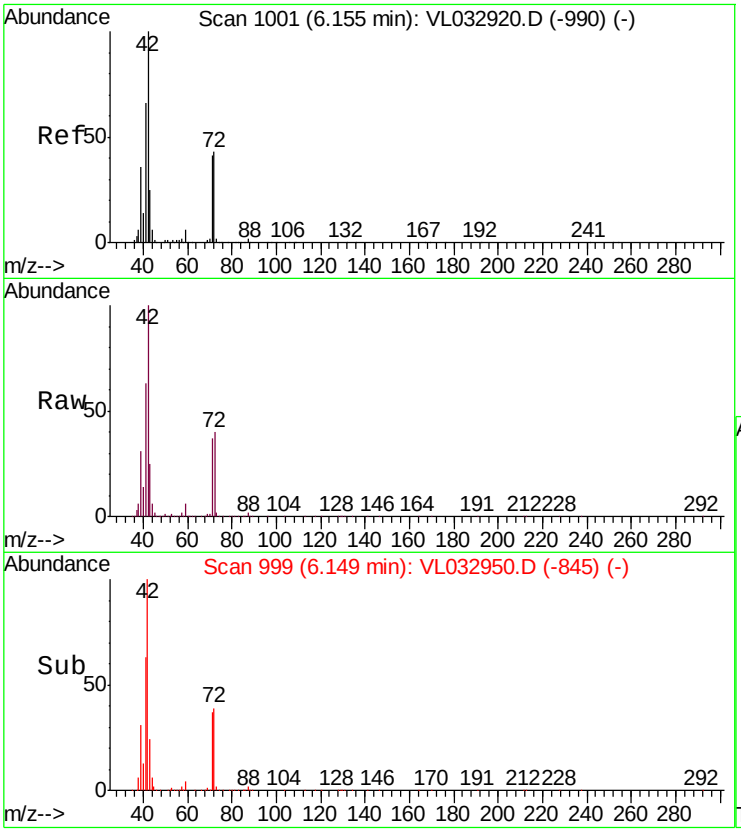




#40
1,4-Dioxane
Concen: 11.069 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 88 Resp: 408621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 126.8 | 107.4 | 161.2 |
| 43 | 268.1 | 0.0 | 0.0# |
| 57 | 1201.6 | 0.0 | 0.0# |



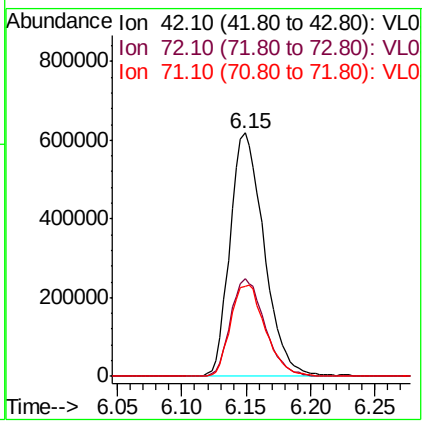


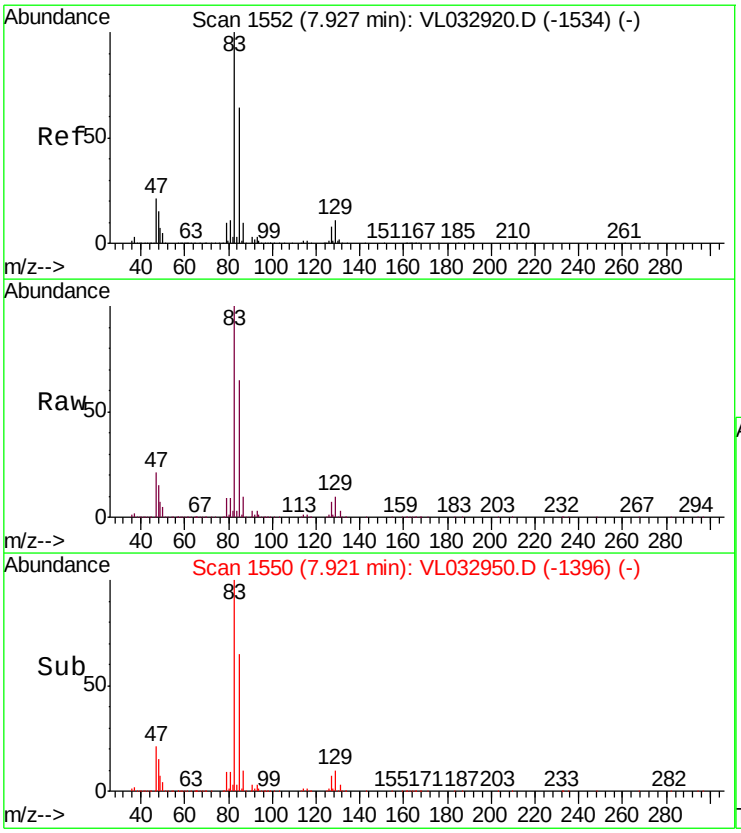

#41
Tetrahydrofuran
Concen: 11.671 ppbv
RT: 6.15 min Scan# 999
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 42 Resp: 1135960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 40.5 | 32.9 | 49.3 |
| 71 | 38.7 | 32.0 | 48.0 |

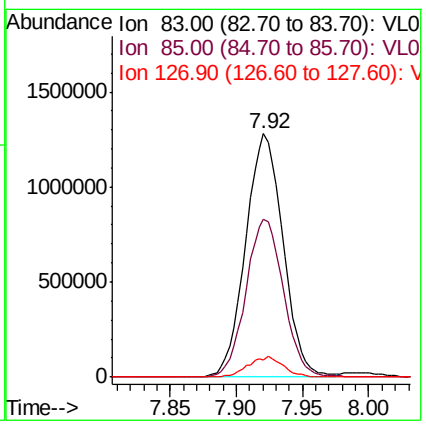


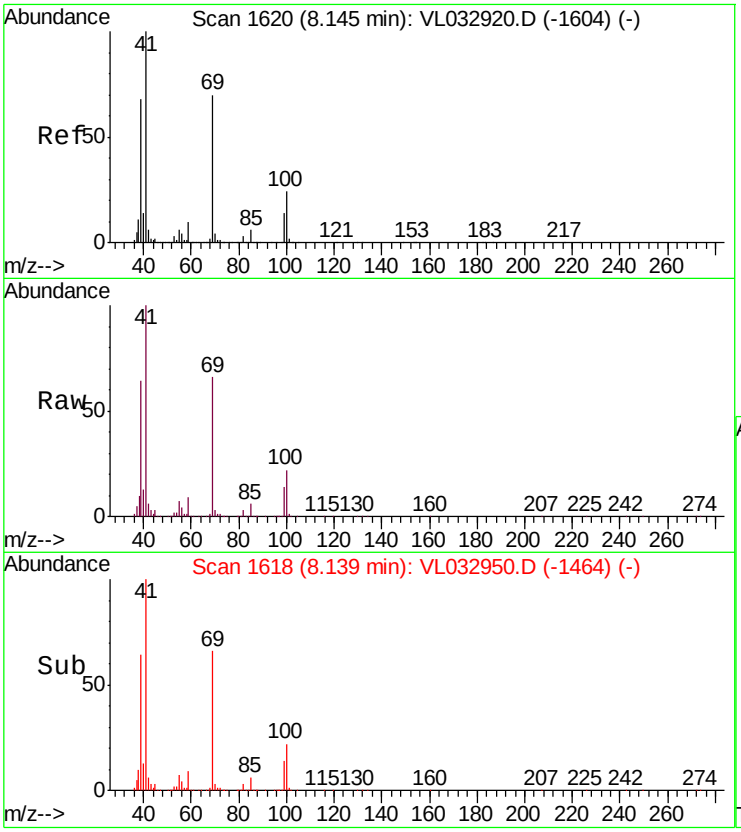




#42
Bromodichloromethane
Concen: 10.123 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 83 Resp: 2523487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 50.9 | 76.3 |
| 127 | 7.3 | 6.7 | 10.1 |



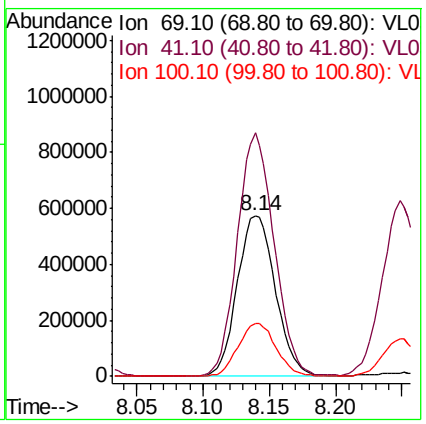


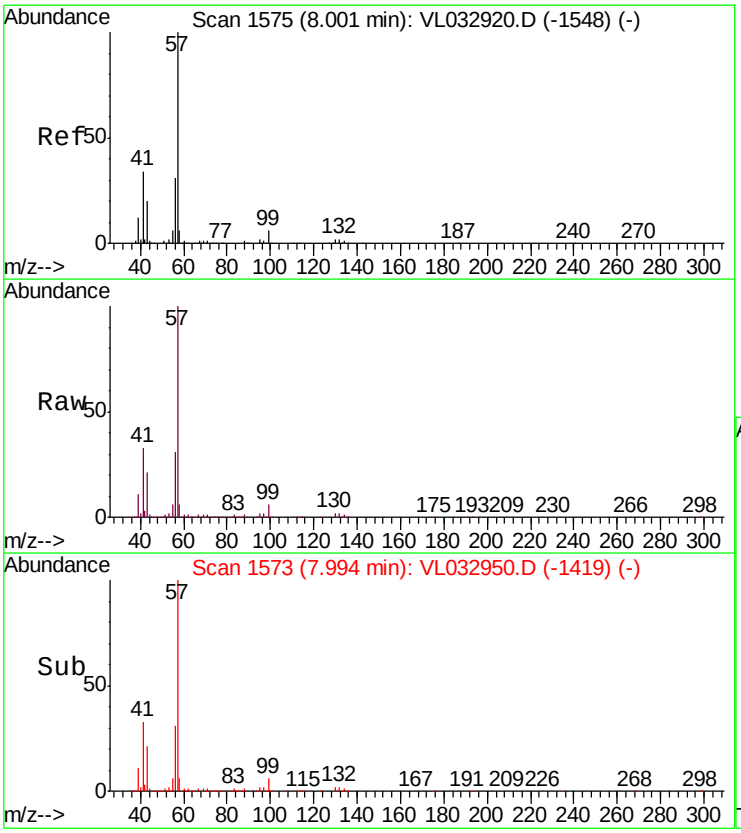

#43
Methyl Methacrylate
Concen: 11.726 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 69 Resp: 1148193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 146.2 | 116.6 | 175.0 |
| 100 | 32.7 | 26.5 | 39.7 |

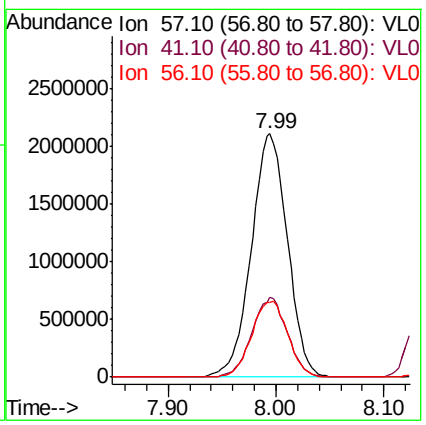


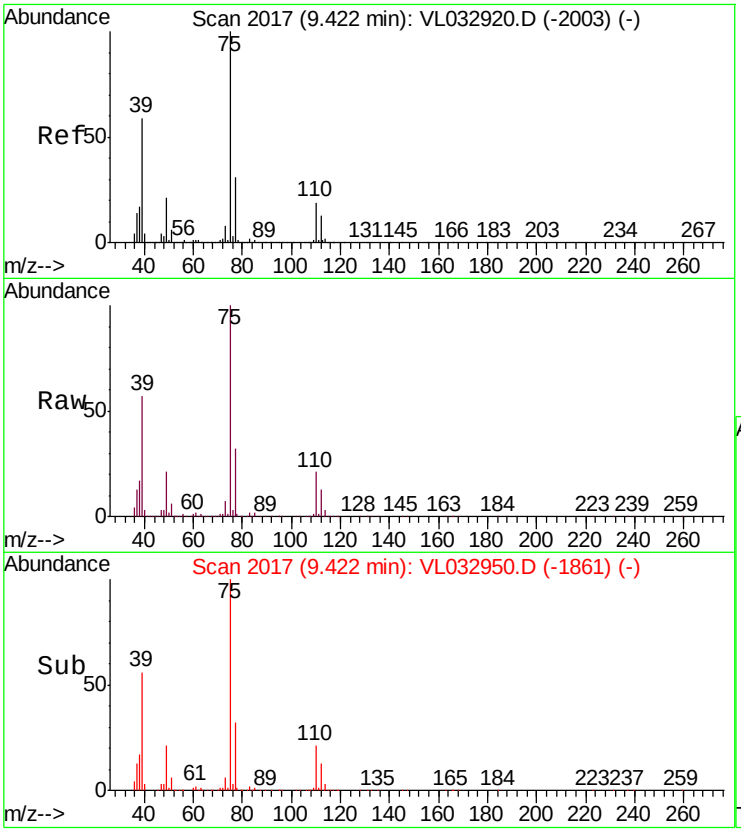




#44
2,2,4-Trimethylpentane
Concen: 10.933 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 57 Resp: 4904154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 32.2 | 27.0 | 40.4 |
| 56 | 31.2 | 24.6 | 37.0 |



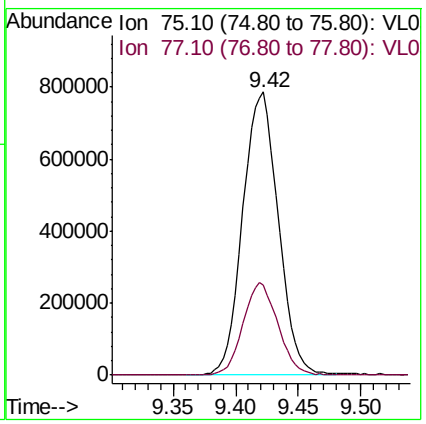


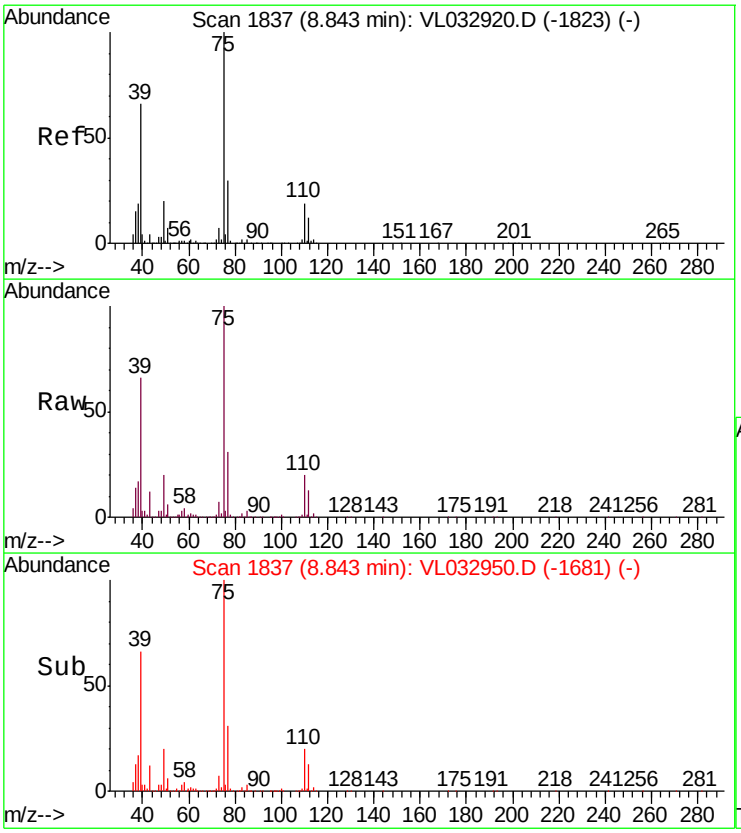

#45
t-1,3-Dichloropropene
Concen: 12.953 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 75 Resp: 1555160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 24.8 | 37.2 |

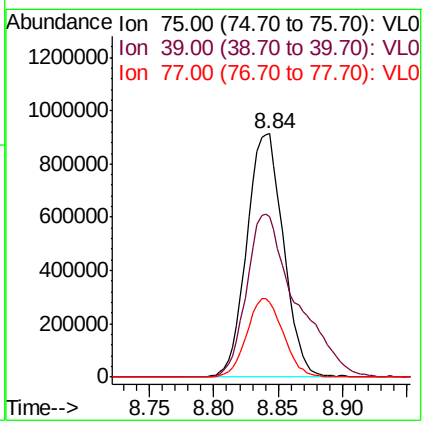


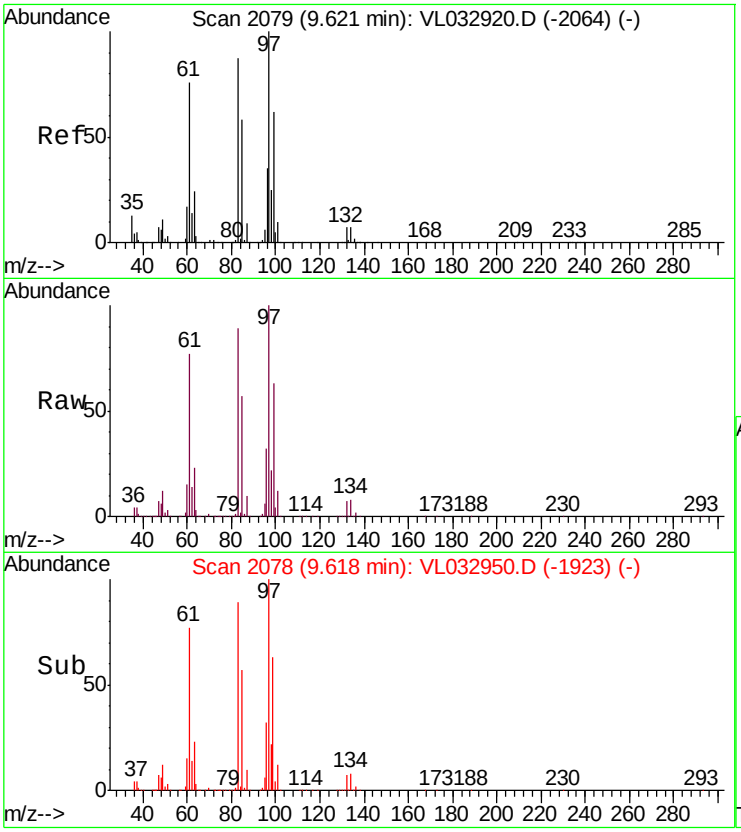




#46
cis-1,3-Dichloropropene
Concen: 12.323 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 75 Resp: 1810922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 65.8 | 52.8 | 79.2 |
| 77 | 30.7 | 24.3 | 36.5 |



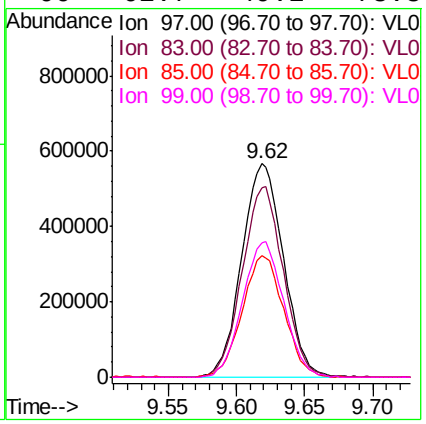


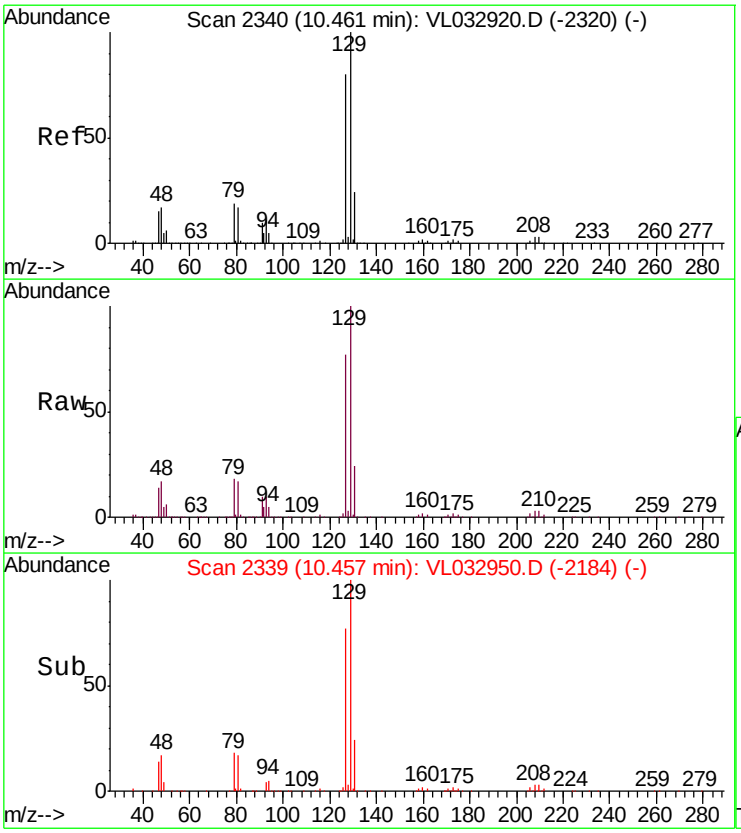

#47
1,1,2-Trichloroethane
Concen: 10.900 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 97 Resp: 1202459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.6 | 69.8 | 104.8 |
| 85 | 56.7 | 46.7 | 70.1 |
| 99 | 62.7 | 49.2 | 73.8 |

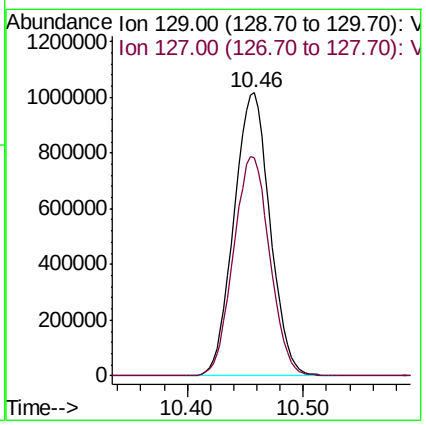


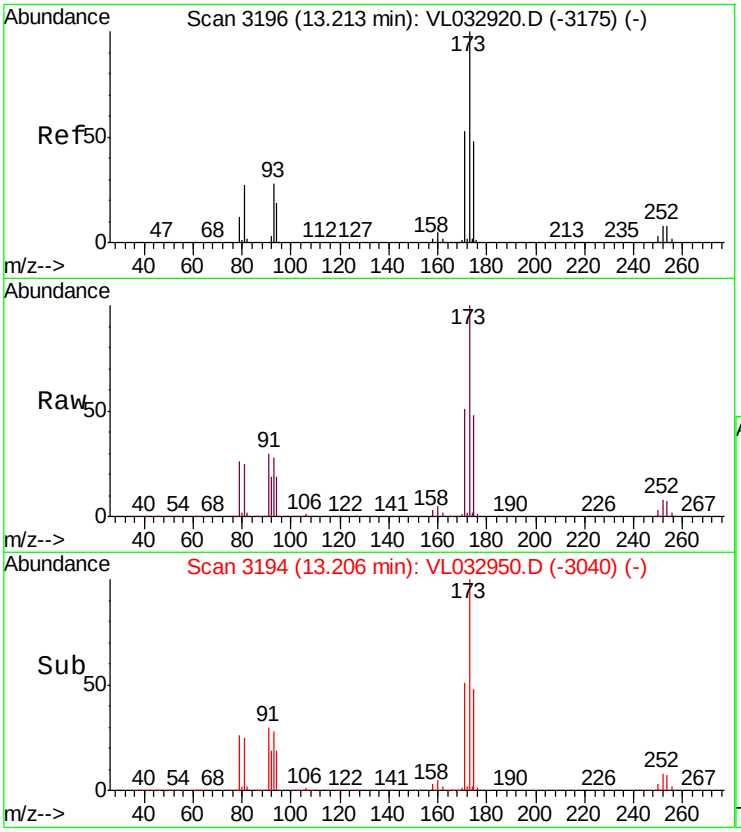




#48
Dibromochloromethane
Concen: 10.627 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:129 Resp: 2199153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 39.3 | 117.8 |



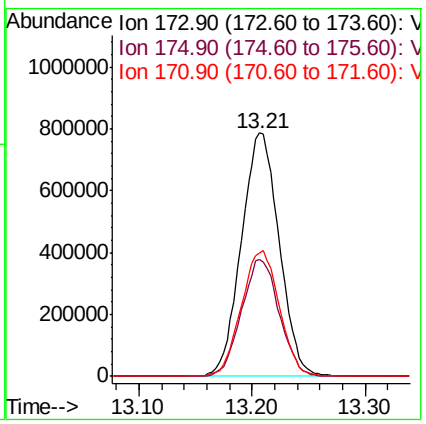


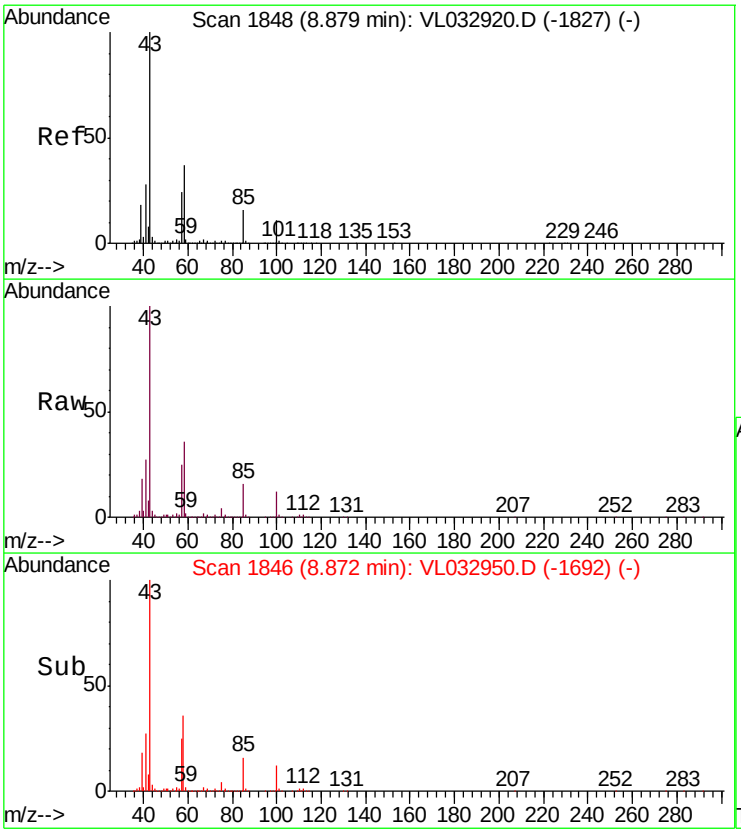

#49
Bromoform
Concen: 10.736 ppbv
RT: 13.21 min Scan# 3194
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:173 Resp: 1827382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 39.0 | 58.4 |
| 171 | 52.1 | 41.5 | 62.3 |

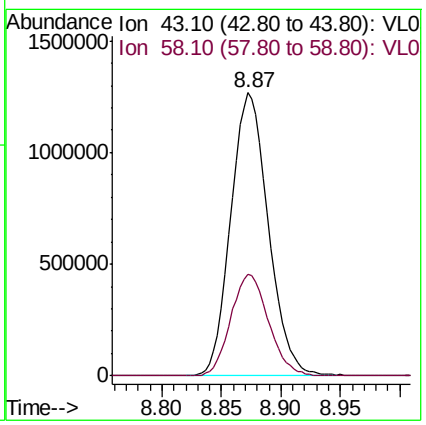


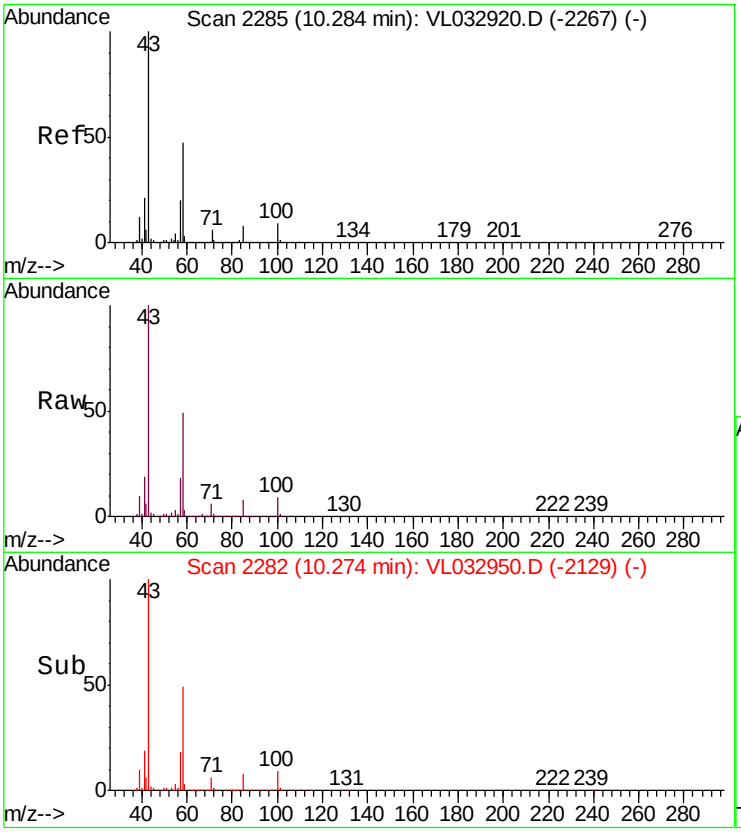




#50
4-Methyl-2-Pentanone
Concen: 11.092 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 43 Resp: 2776002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.3 | 29.0 | 43.4 |



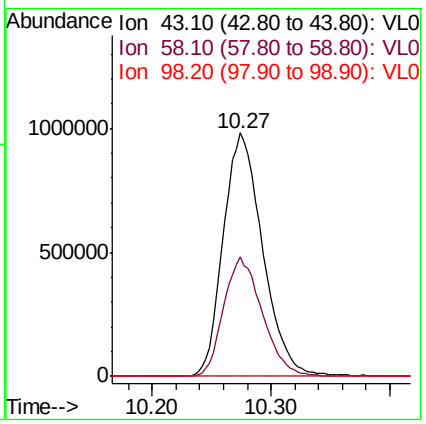


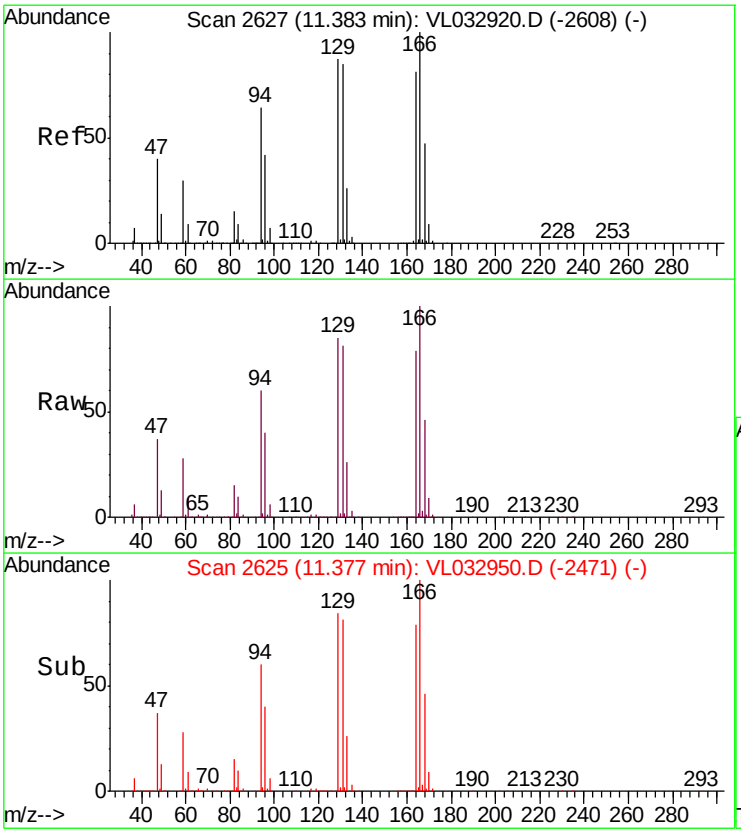

#51
2-Hexanone
Concen: 13.135 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 43 Resp: 2229263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 48.8 | 38.1 | 57.1 |
| 98 | 0.4 | 0.4 | 0.6 |

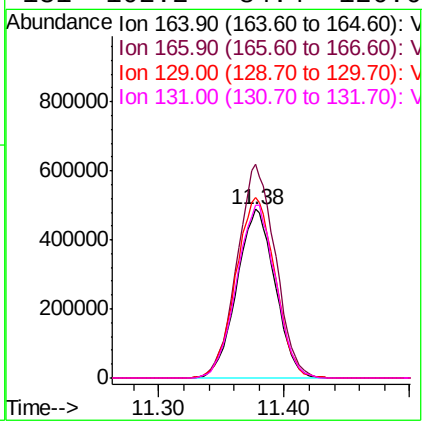


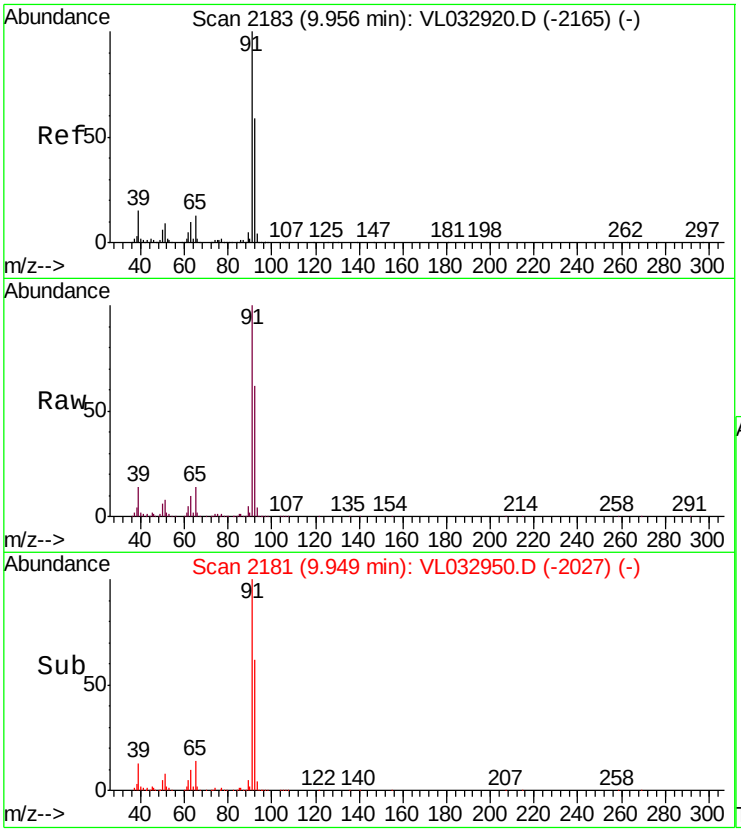




#52
Tetrachloroethene
Concen: 10.770 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:164 Resp: 1035254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.5 | 98.8 | 148.2 |
| 129 | 106.9 | 85.5 | 128.3 |
| 131 | 102.2 | 84.4 | 126.6 |



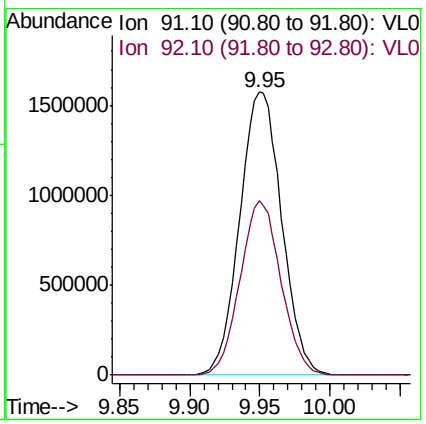


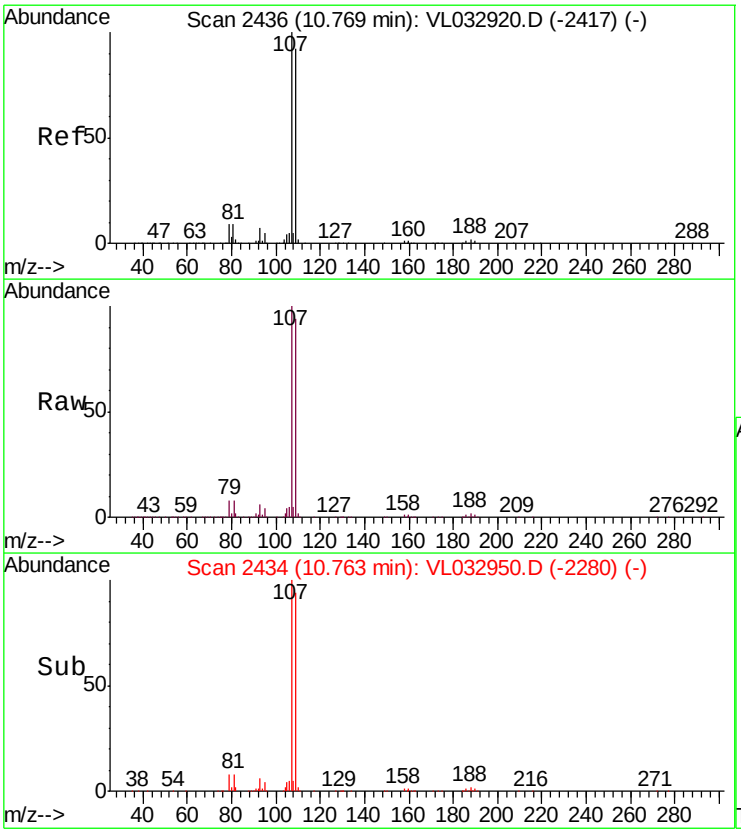

#53
Toluene
Concen:  11.716 ppbv
RT: 9.95 min  Scan# 2181
Delta R.T.  -0.01 min
Lab File:  VL032950.D
Acq:  8 Dec 2018  1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 91 Resp: 3283537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.9 | 47.4 | 71.0 |

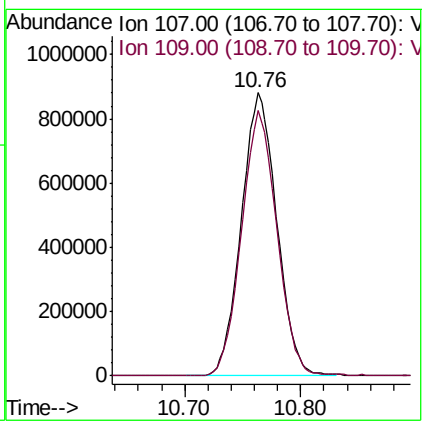


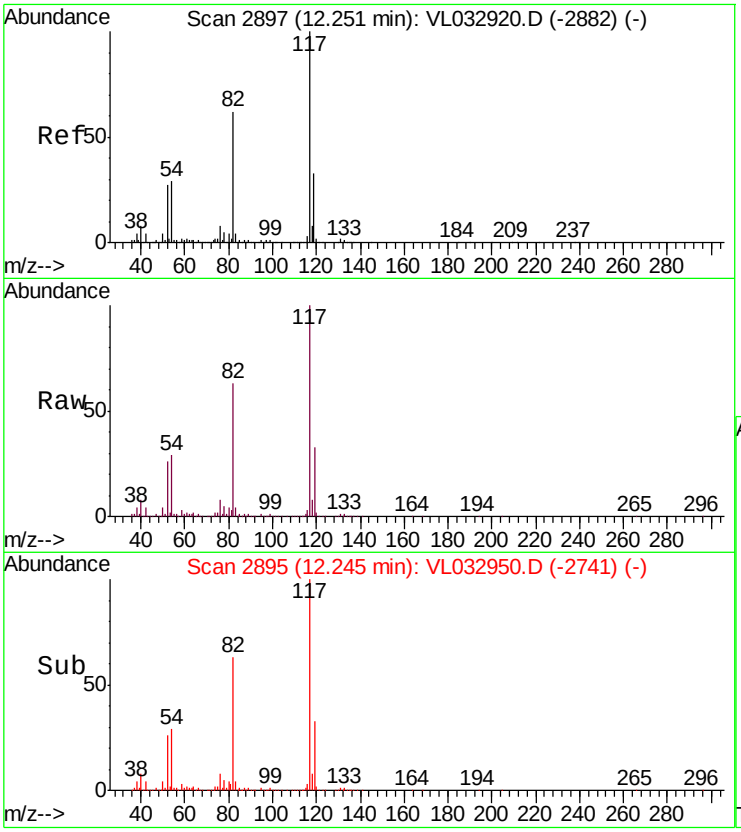




#54
1,2-Dibromoethane
Concen:  10.862 ppbv
RT: 10.76 min  Scan# 2434
Delta R.T.  -0.01 min
Lab File:  VL032950.D
Acq:  8 Dec 2018  1:45

Tgt Ion:107 Resp: 1871864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 73.4 | 110.2 |



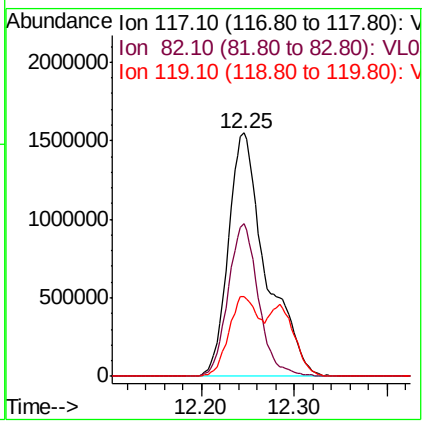


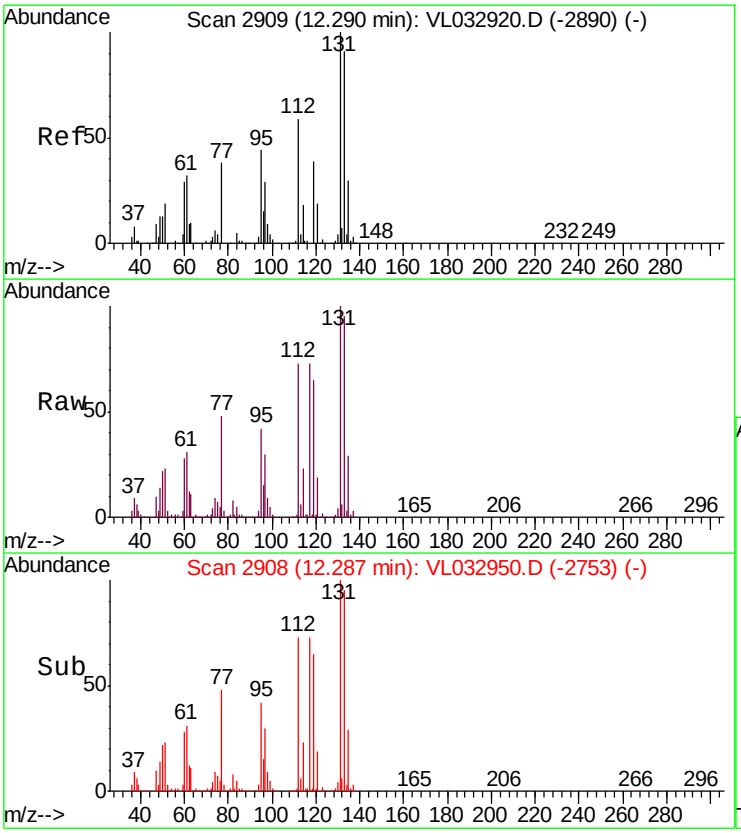

#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:117 Resp: 4361895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 50.7 | 47.8 | 71.8 |
| 119 | 26.6 | 43.1 | 64.7# |

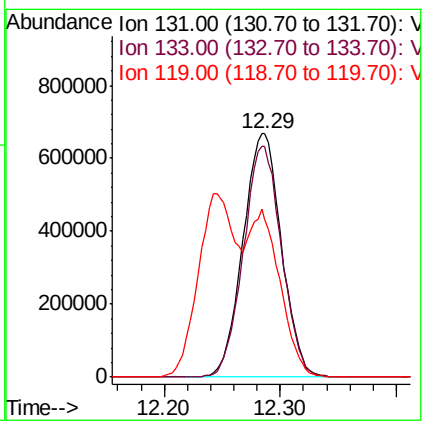


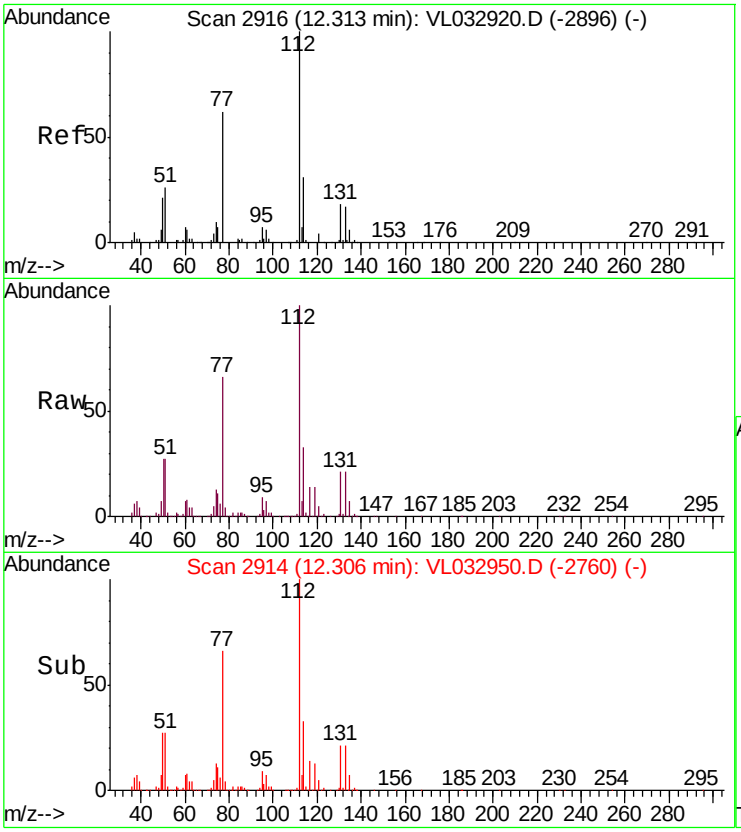




#56
1,1,1,2-Tetrachloroethane
Concen: 7.913 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:131 Resp: 1538743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.1 | 75.1 | 112.7 |
| 119 | 57.4 | 47.5 | 71.3 |



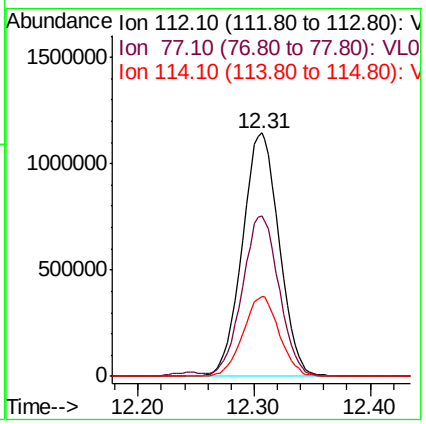


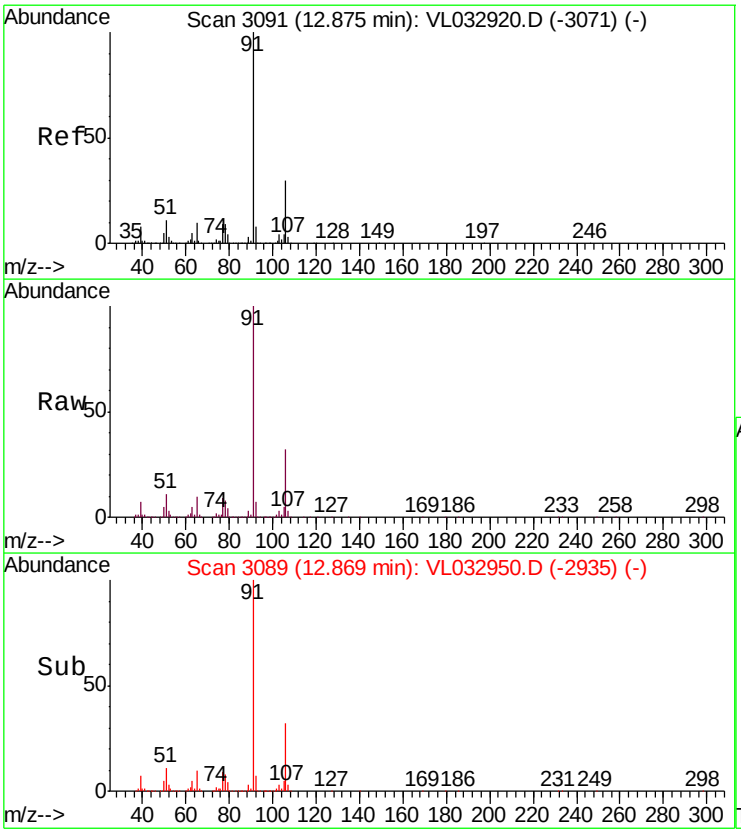

#57
Chlorobenzene
Concen: 8.016 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:112 Resp: 2525204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 65.9 | 51.1 | 76.7 |
| 114 | 33.0 | 28.4 | 34.7 |

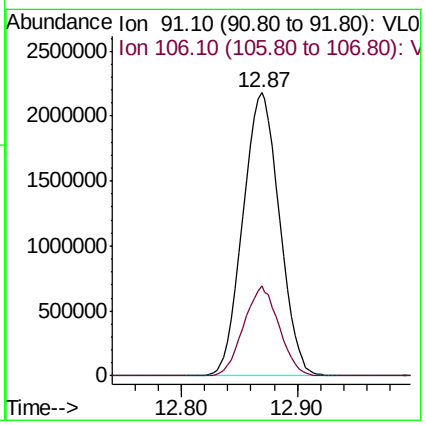


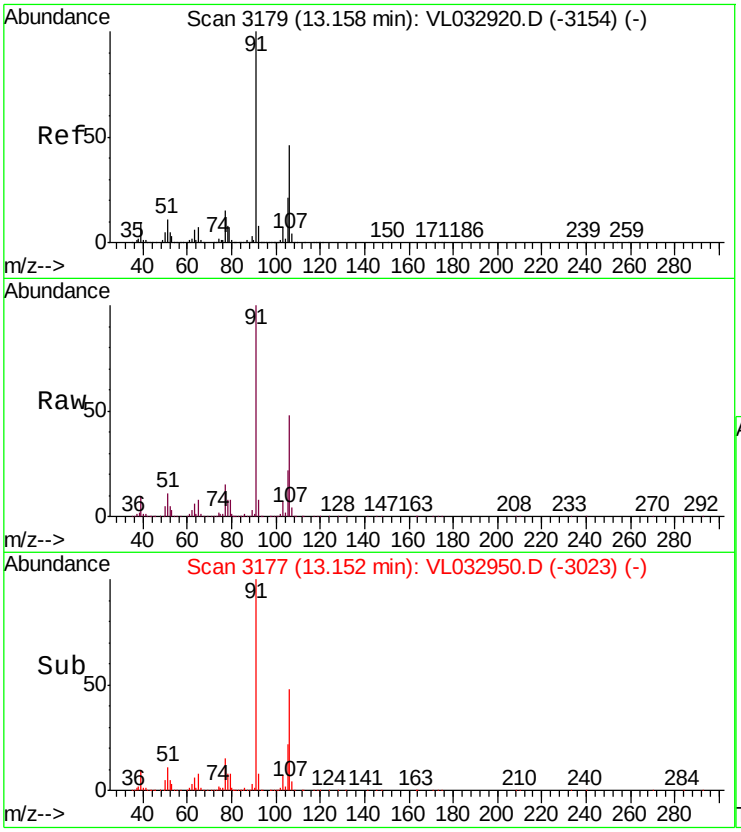




#58
Ethyl Benzene
Concen: 10.285 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 4785784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 23.9 | 35.9 |



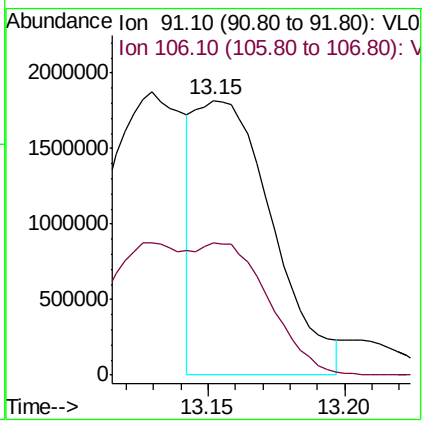


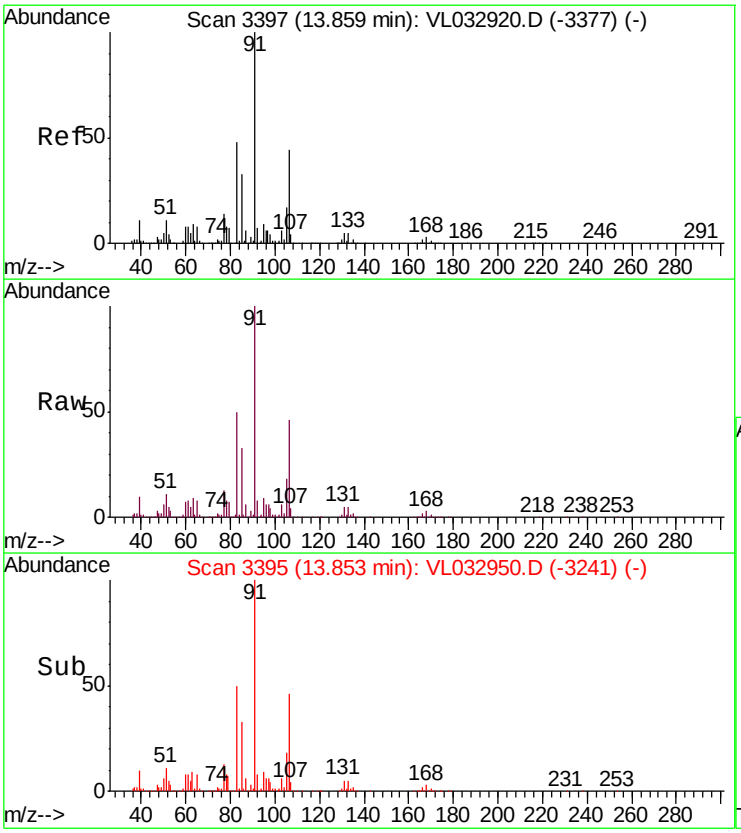

#59
m/p-Xylene
Concen: 8.474 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 91 Resp: 3574853

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

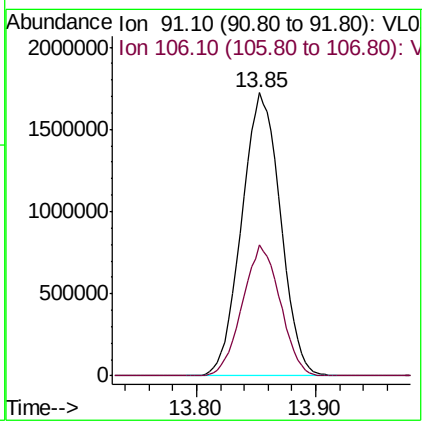


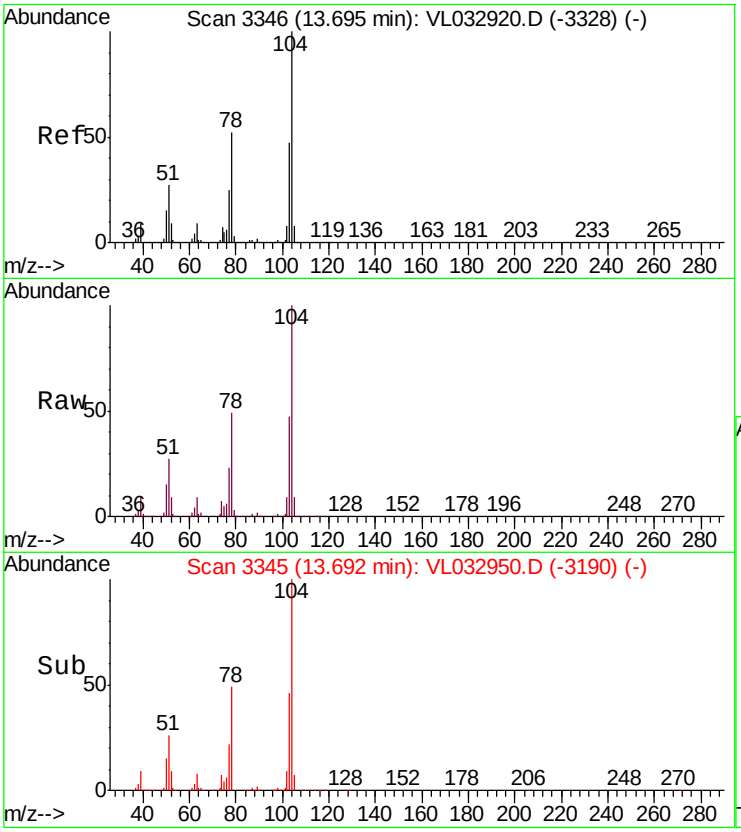




#60
o-Xylene
Concen: 9.128 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 3888739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 45.0 | 21.9 | 65.8 |



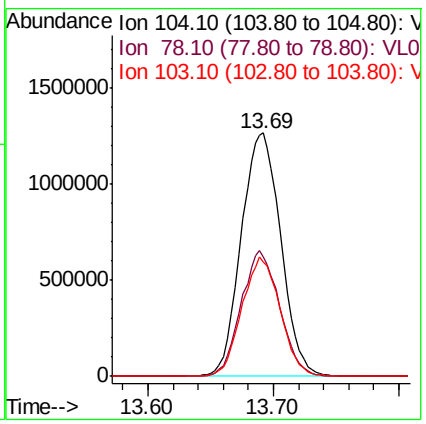


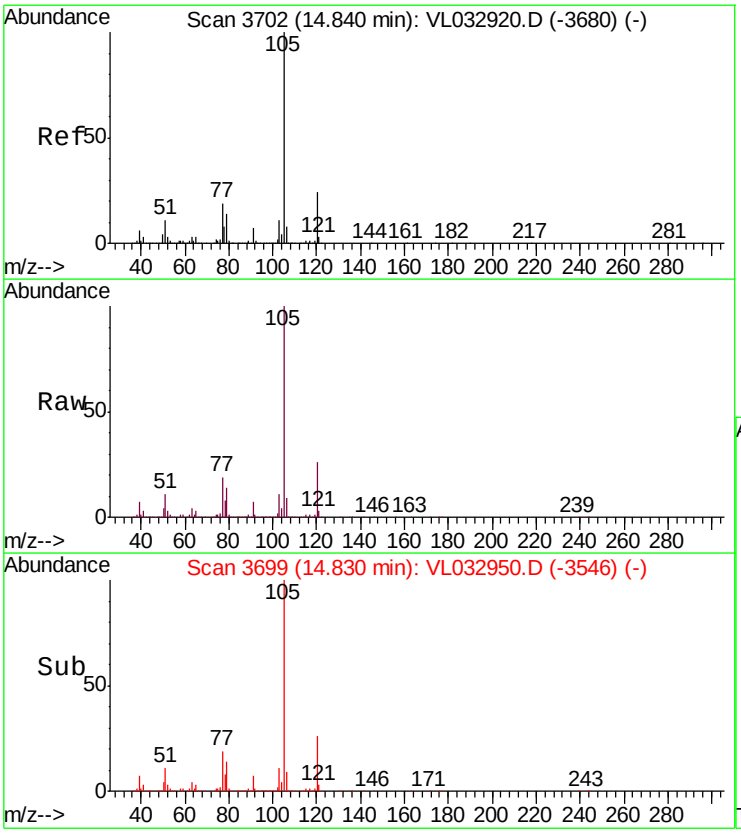

#61
Styrene
Concen: 9.771 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:104 Resp: 2769136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.3 | 42.0 | 63.0 |
| 103 | 47.6 | 38.3 | 57.5 |

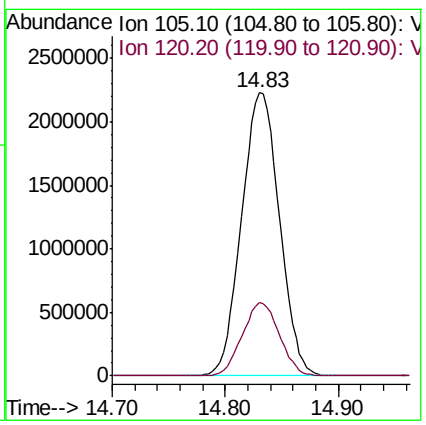


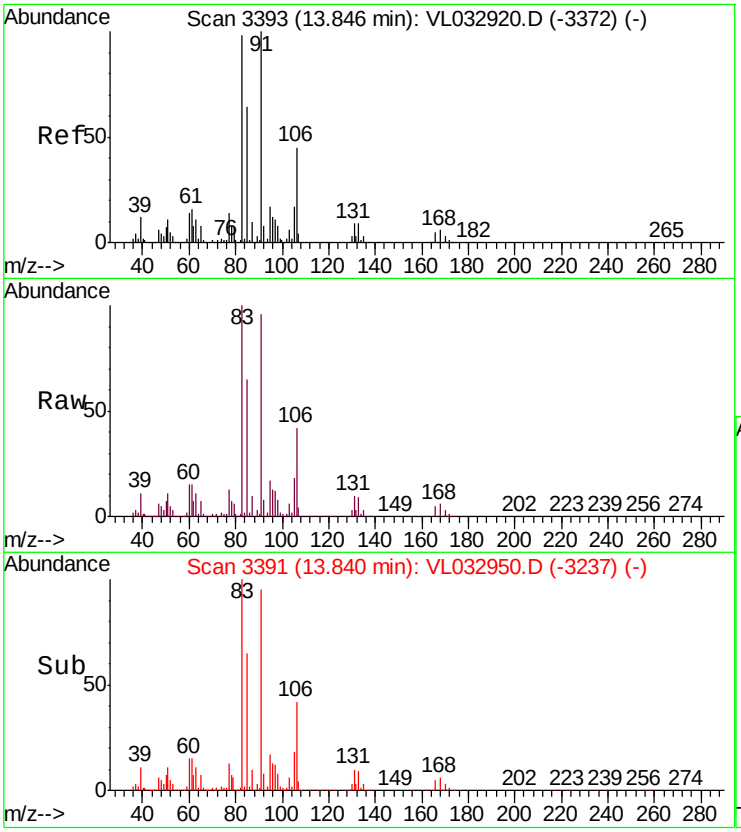




#62
Isopropylbenzene
Concen: 8.720 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:105 Resp: 5183073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 20.3 | 30.5 |



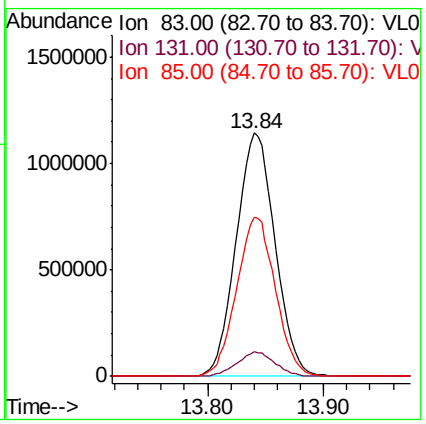


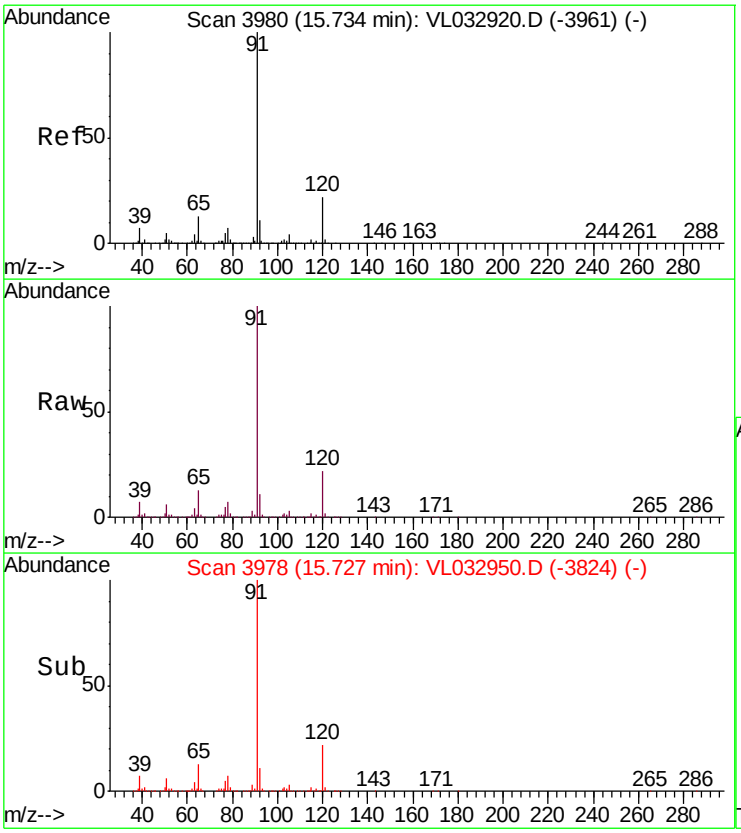

#63
1,1,2,2-Tetrachloroethane
Concen: 8.046 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion: 83 Resp: 2661748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 4.9 | 14.6 |
| 85 | 65.3 | 32.9 | 98.6 |

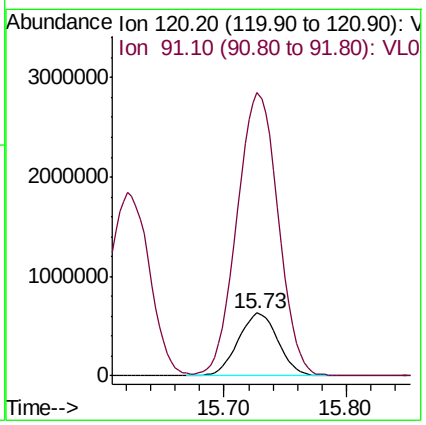


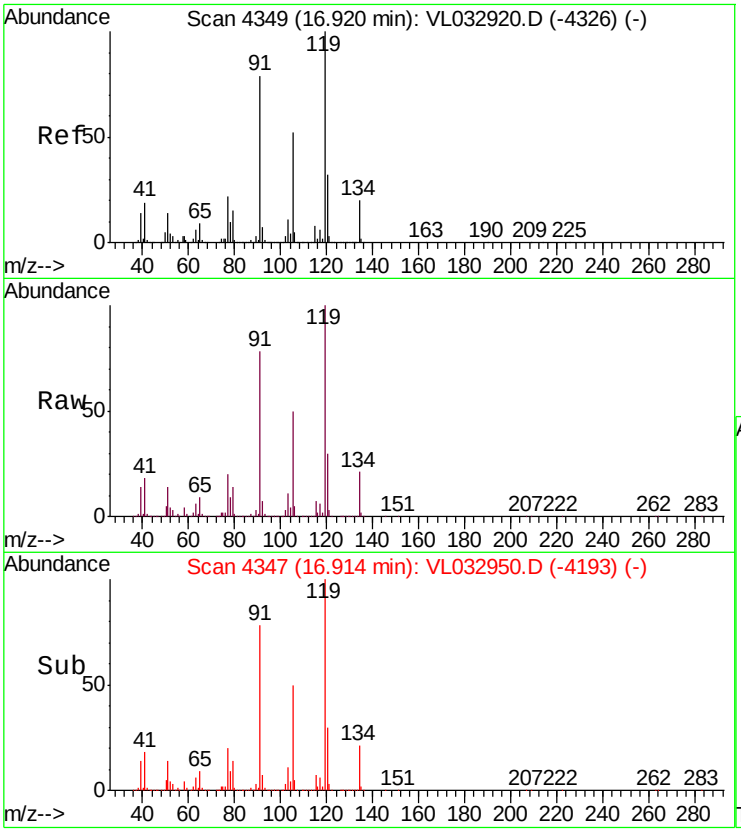




#64
n-propylbenzene
Concen: 9.228 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:120 Resp: 1424722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 91 | 467.6 | 380.4 | 570.6 |



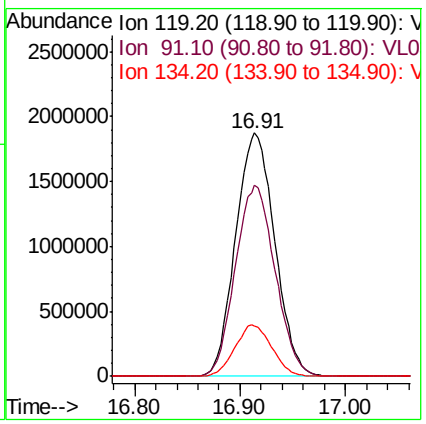


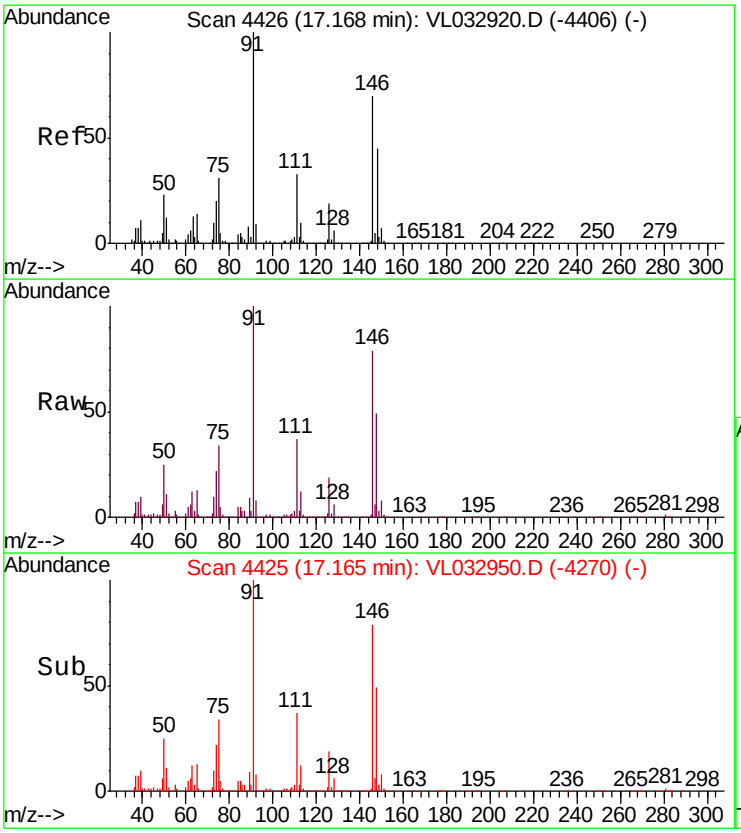

#65
tert-Butylbenzene
Concen: 8.789 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:119 Resp: 4843353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 79.8 | 64.5 | 96.7 |
| 134 | 19.8 | 15.7 | 23.5 |

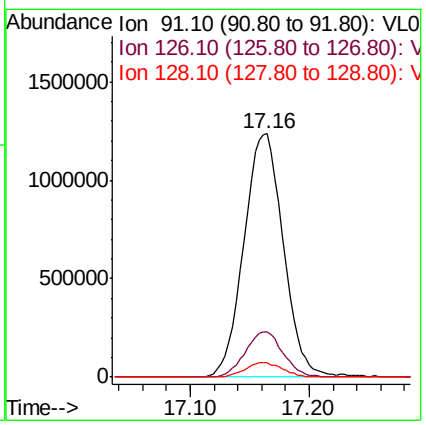


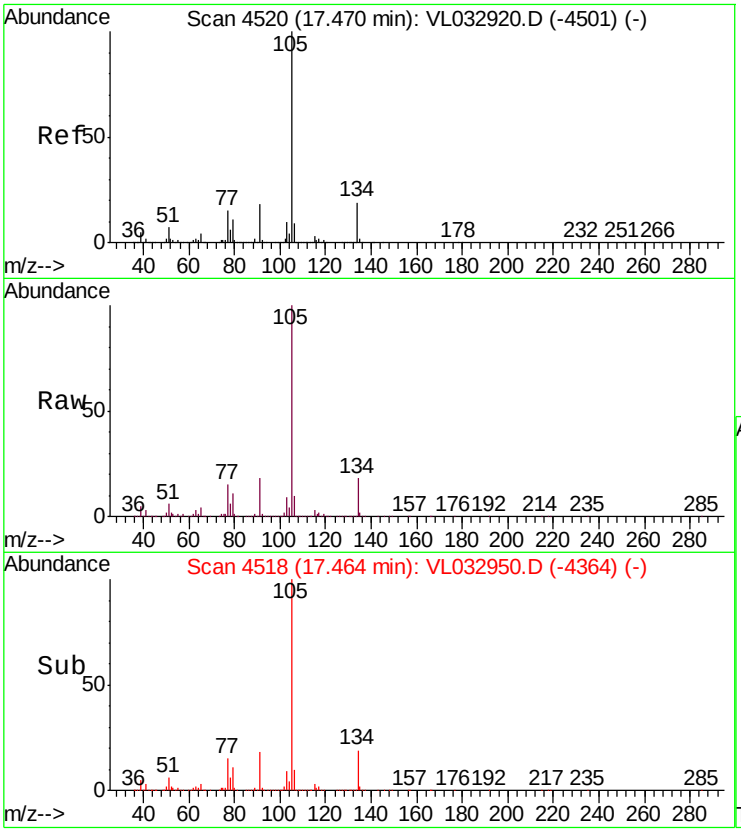




#66
Benzyl Chloride
Concen: 9.265 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 2829787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 18.1 | 14.1 | 21.1 |
| 128 | 5.8 | 4.5 | 6.7 |



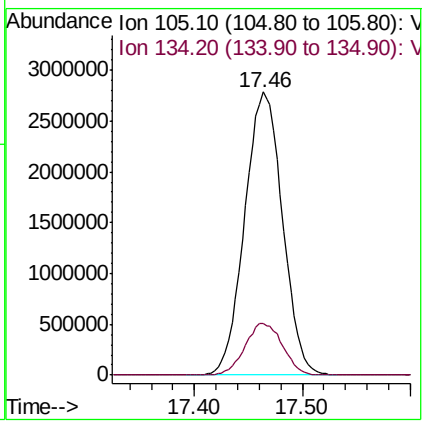


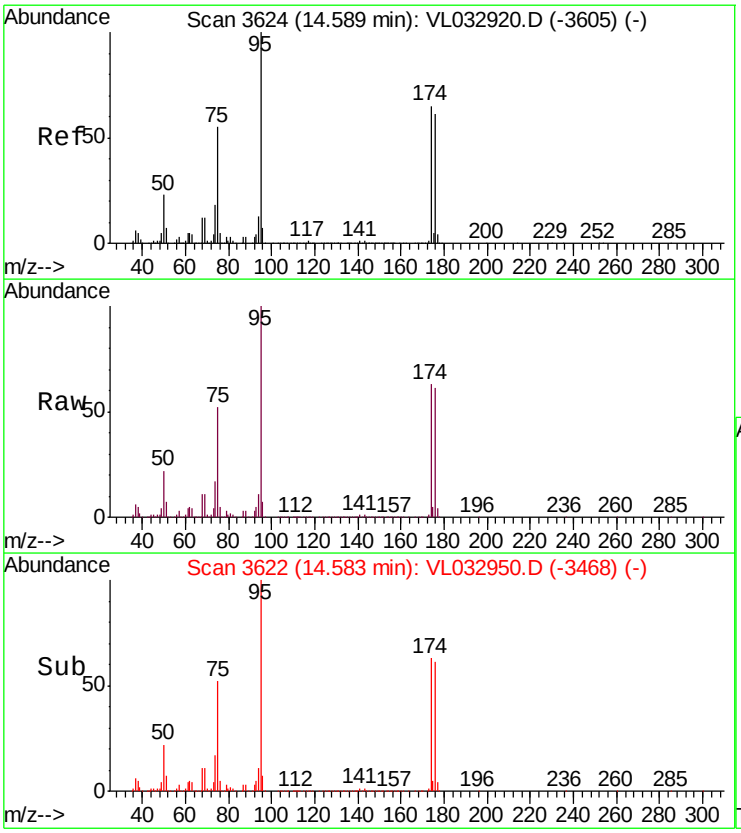

#67
sec-Butylbenzene
Concen: 8.339 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:105 Resp: 6774698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.2 | 14.6 | 21.8 |

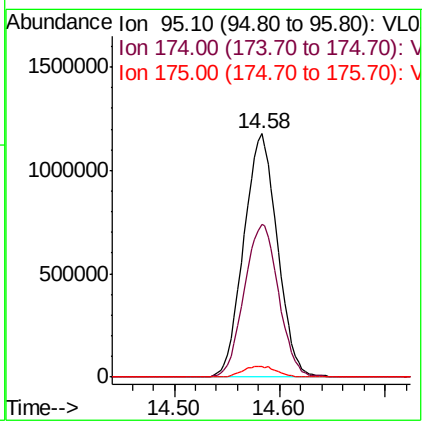


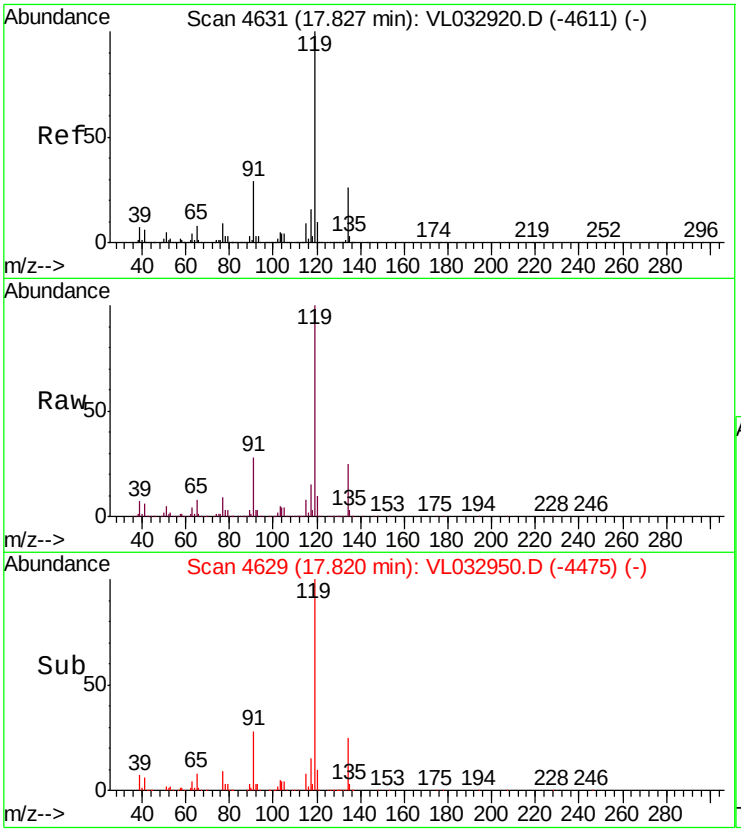




#68
1-Bromo-4-Fluorobenzene
Concen: 8.126 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 95 Resp: 2618545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 64.3 | 51.4 | 77.0 |
| 175 | 4.8 | 3.8 | 5.6 |



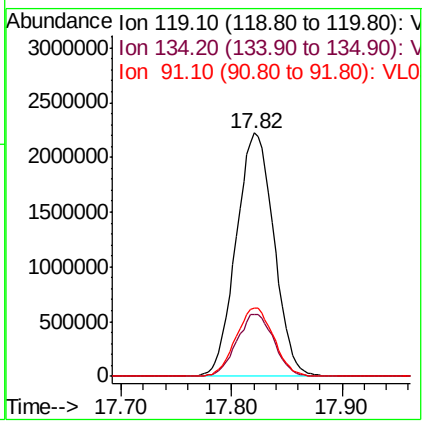


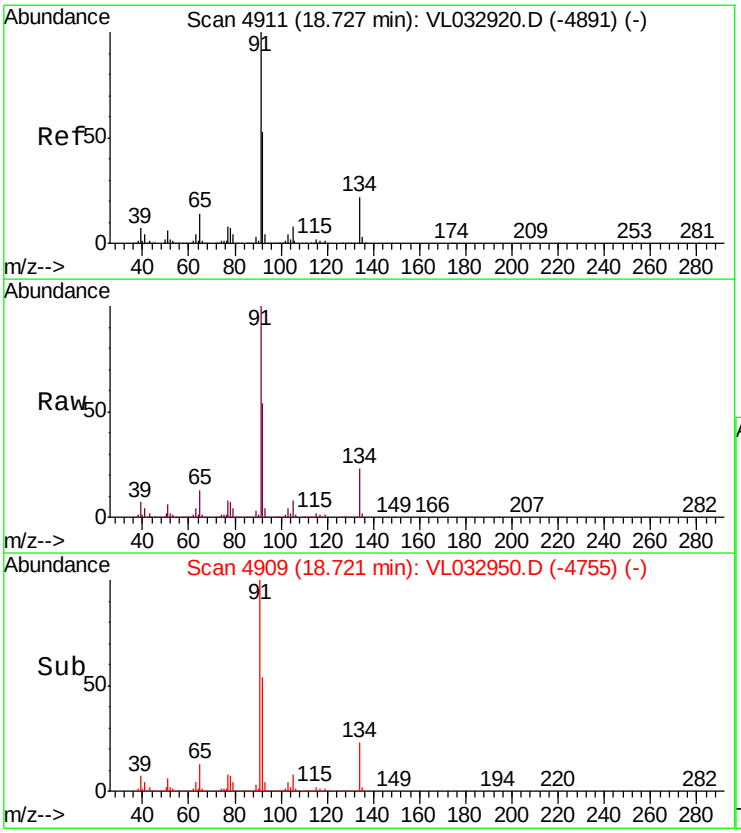

#69
p-Isopropyltoluene
Concen: 7.994 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:119 Resp: 5263078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.1 | 20.2 | 30.2 |
| 91 | 28.3 | 22.9 | 34.3 |

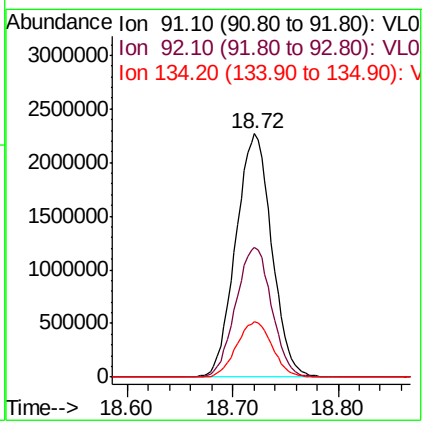


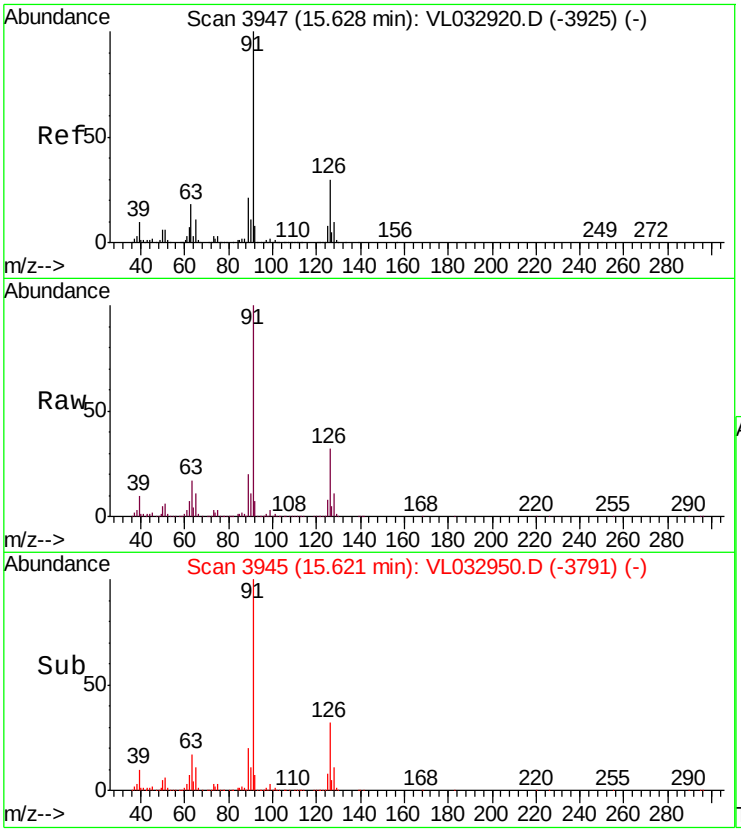




#70
n-Butylbenzene
Concen: 8.851 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 5361395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 42.7 | 64.1 |
| 134 | 22.7 | 18.0 | 27.0 |



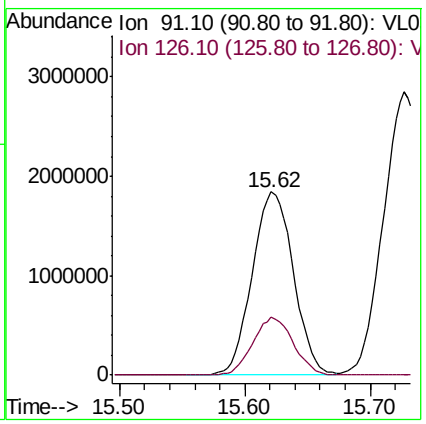


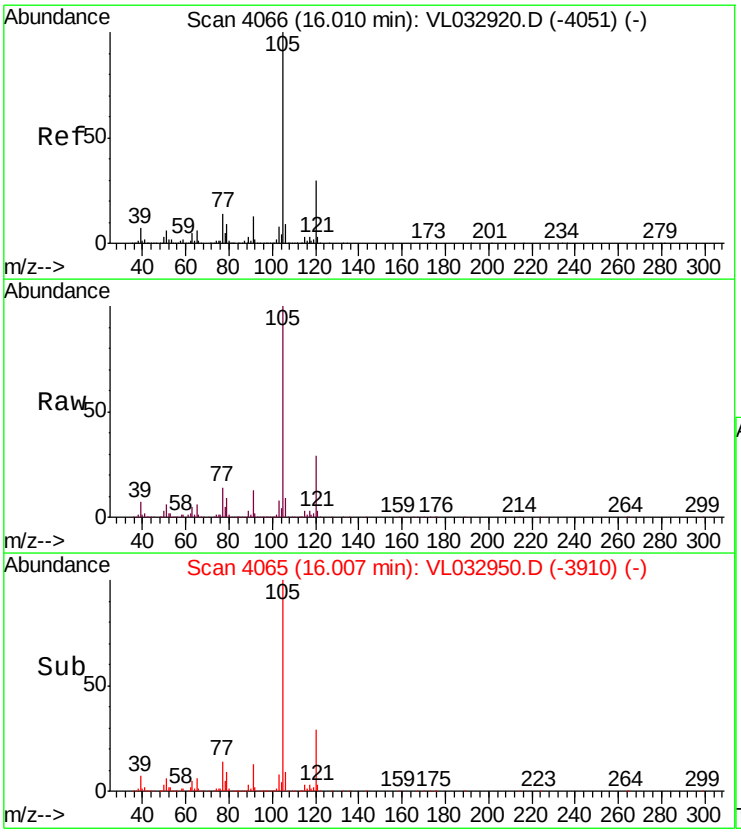

#71
2-Chlorotoluene
Concen: 9.535 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion: 91 Resp: 4214508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.1 | 12.3 | 49.3 |

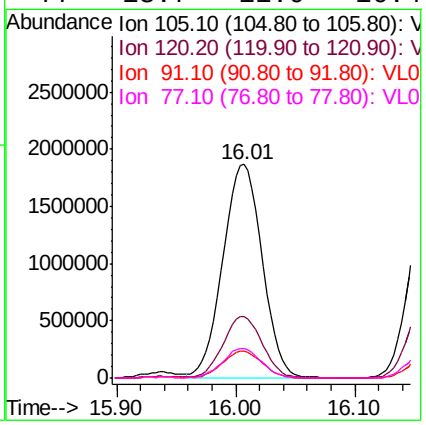


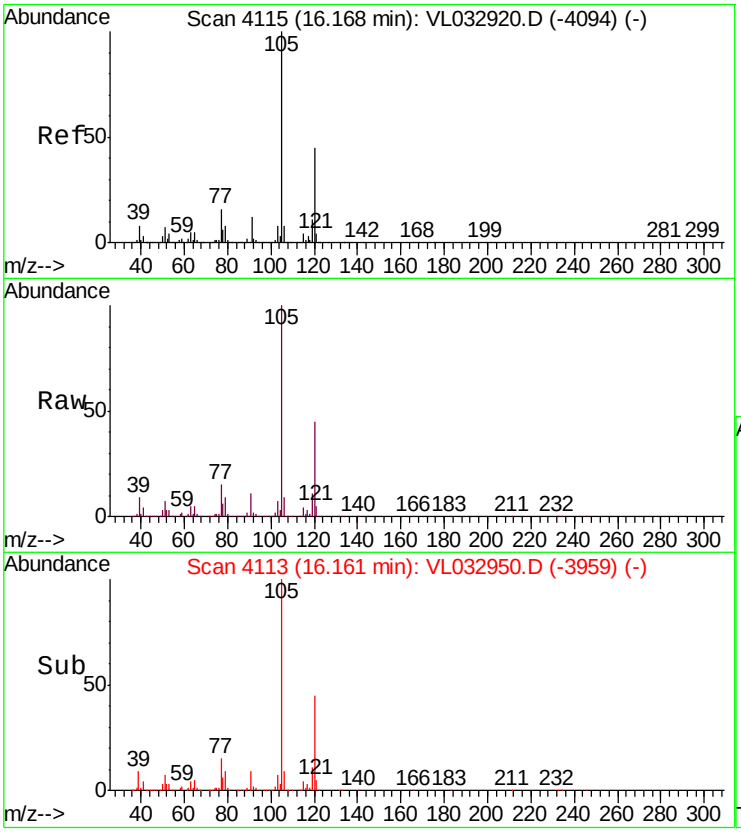




#72
4-Ethyltoluene
Concen: 8.979 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:105 Resp: 4270826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.7 | 23.0 | 34.4 |
| 91 | 12.8 | 10.4 | 15.6 |
| 77 | 13.7 | 11.0 | 16.4 |



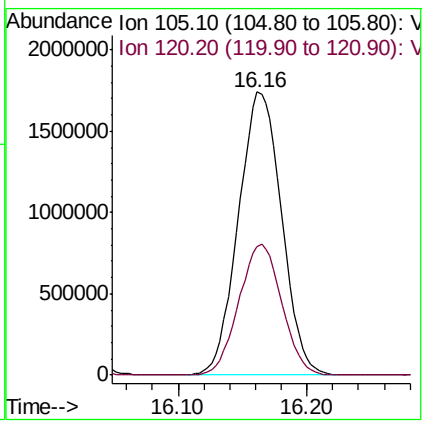


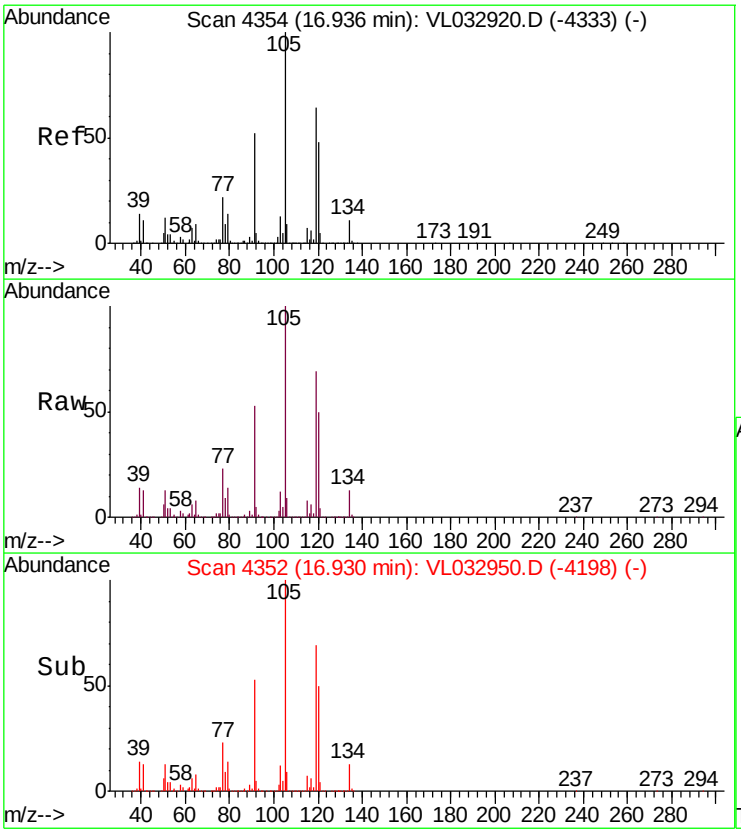

#73
1,3,5-Trimethylbenzene
Concen: 8.717 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:105 Resp: 4047689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.3 | 36.0 | 54.0 |

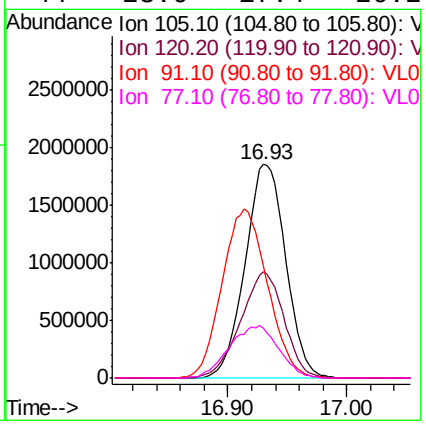


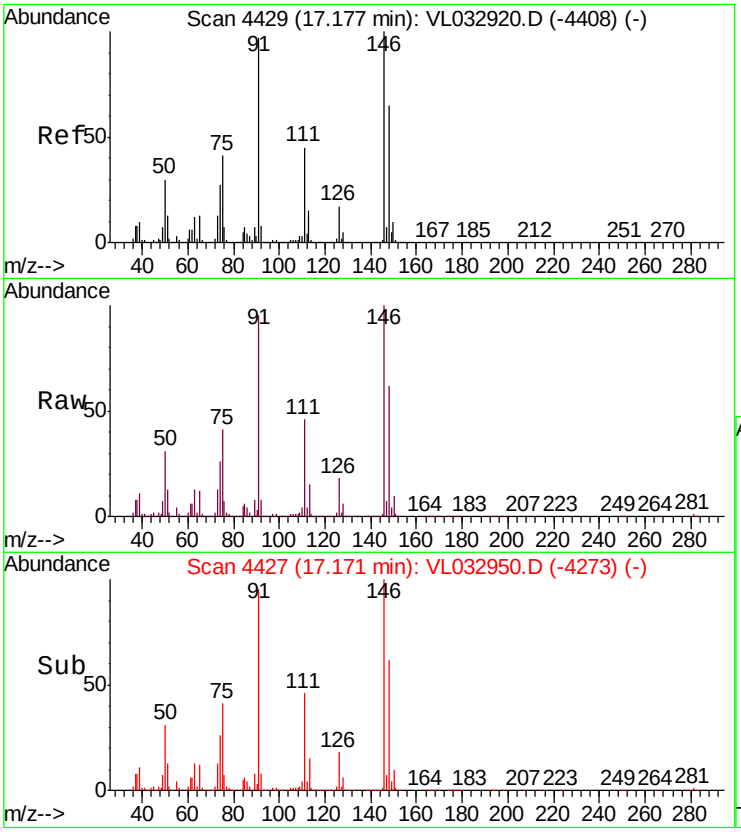




#74
1,2,4-Trimethylbenzene
Concen: 8.339 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:105 Resp: 4372236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.8 | 38.6 | 58.0 |
| 91 | 52.5 | 41.7 | 62.5 |
| 77 | 23.0 | 17.4 | 26.2 |



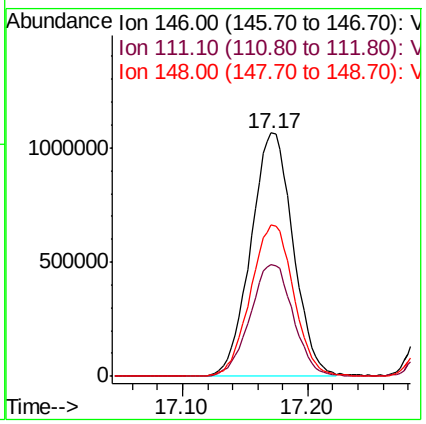


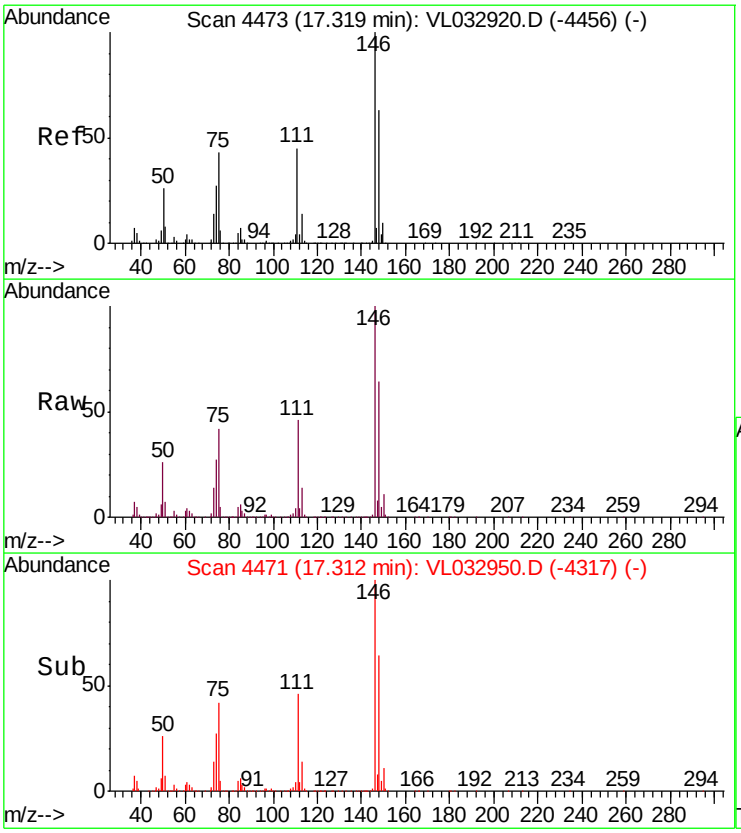

#75
1,3-Dichlorobenzene
Concen: 8.080 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:146 Resp: 2494707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 46.9 | 23.6 | 70.8 |
| 148 | 63.7 | 32.1 | 96.3 |

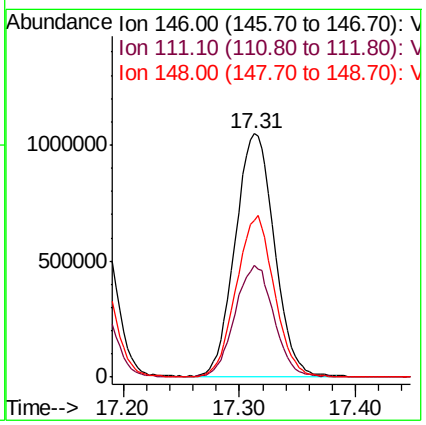


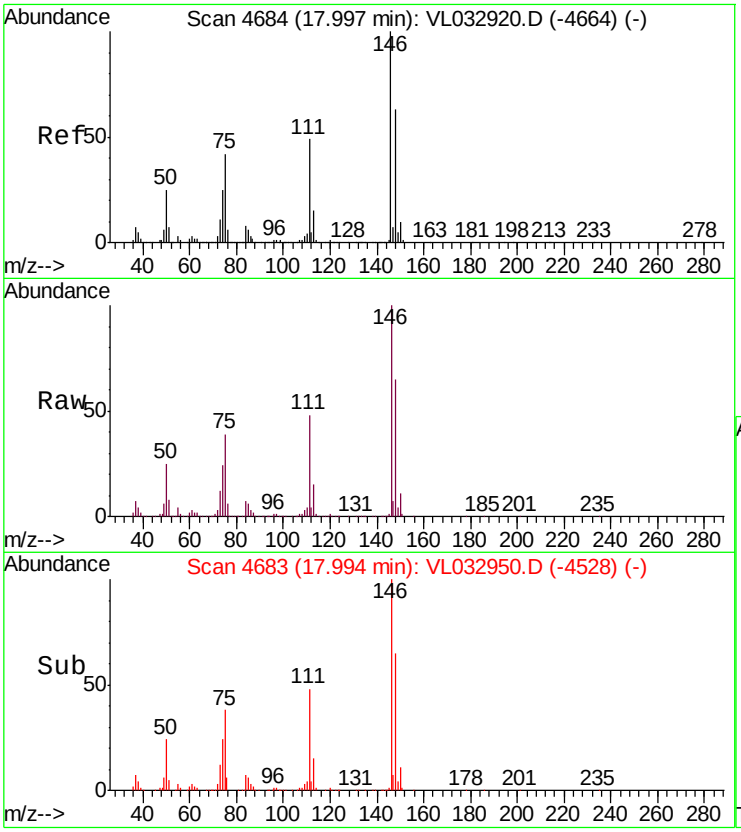




#76
1,4-Dichlorobenzene
Concen: 8.541 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:146 Resp: 2460539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.7 | 22.8 | 68.4 |
| 148 | 64.8 | 32.0 | 96.2 |



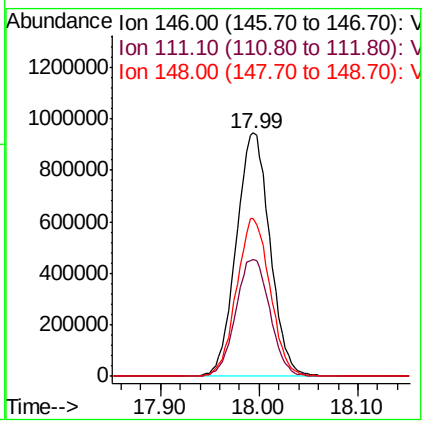


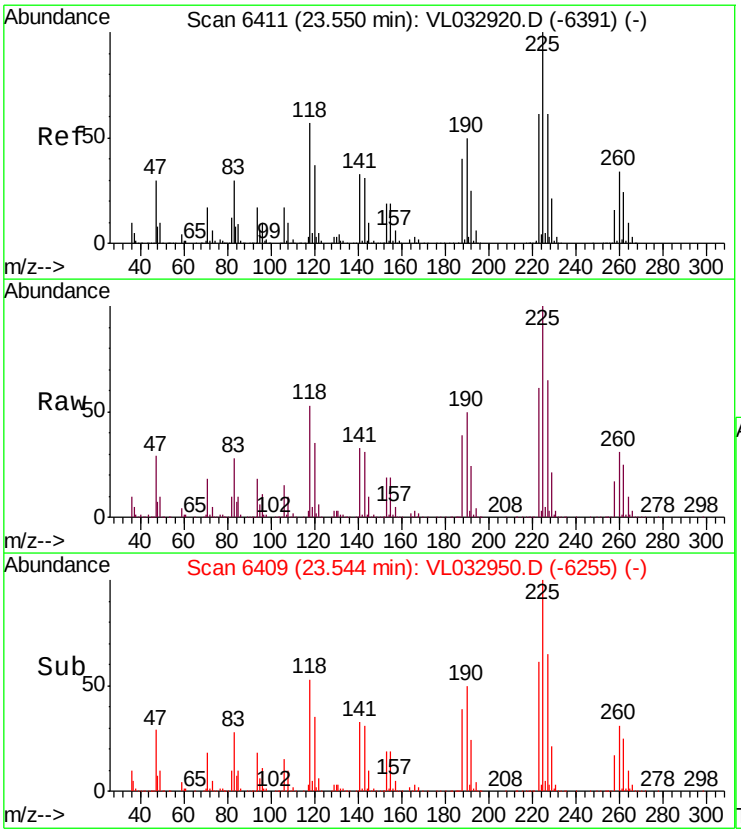

#77
1,2-Dichlorobenzene
Concen: 7.752 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:146 Resp: 2235085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.9 | 24.3 | 72.9 |
| 148 | 64.5 | 32.0 | 96.2 |

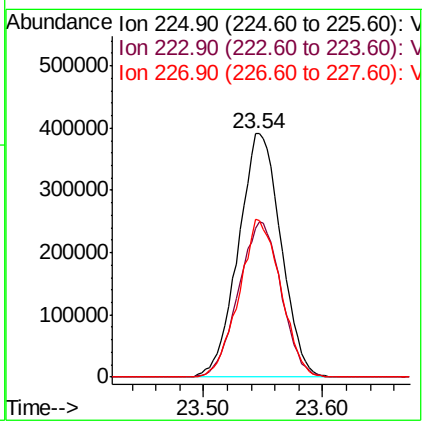


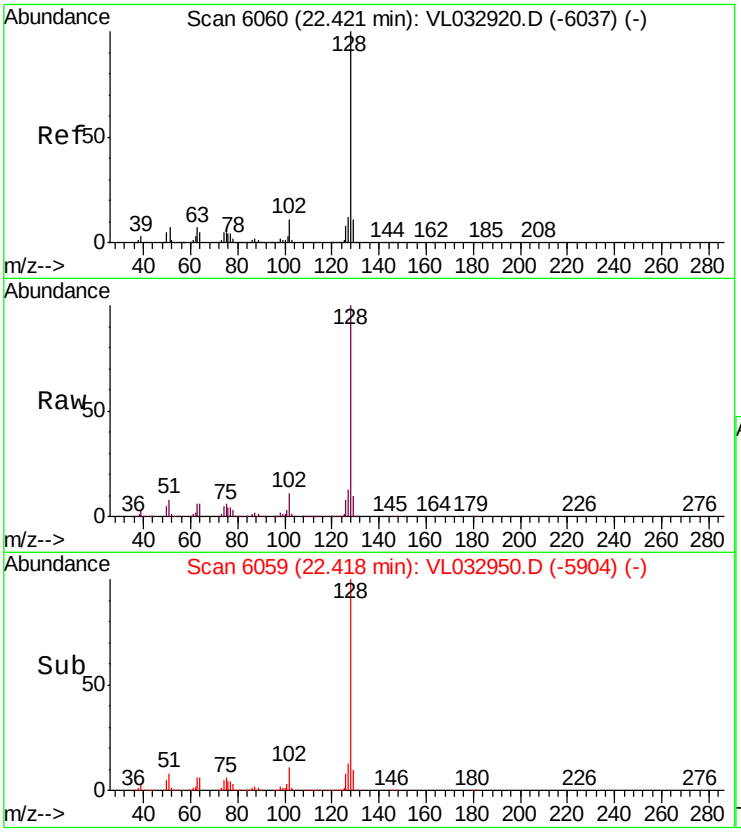




#78
Hexachloro-1,3-Butadiene
Concen: 6.110 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:225 Resp: 968825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 50.6 | 75.8 |
| 227 | 63.4 | 50.4 | 75.6 |



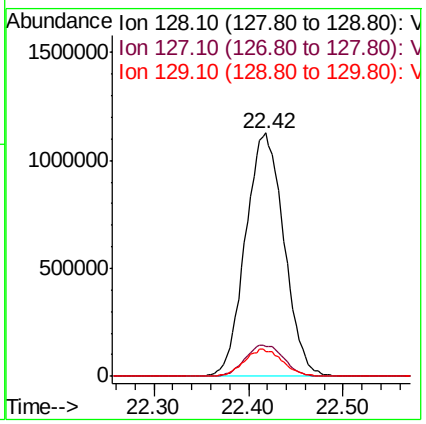


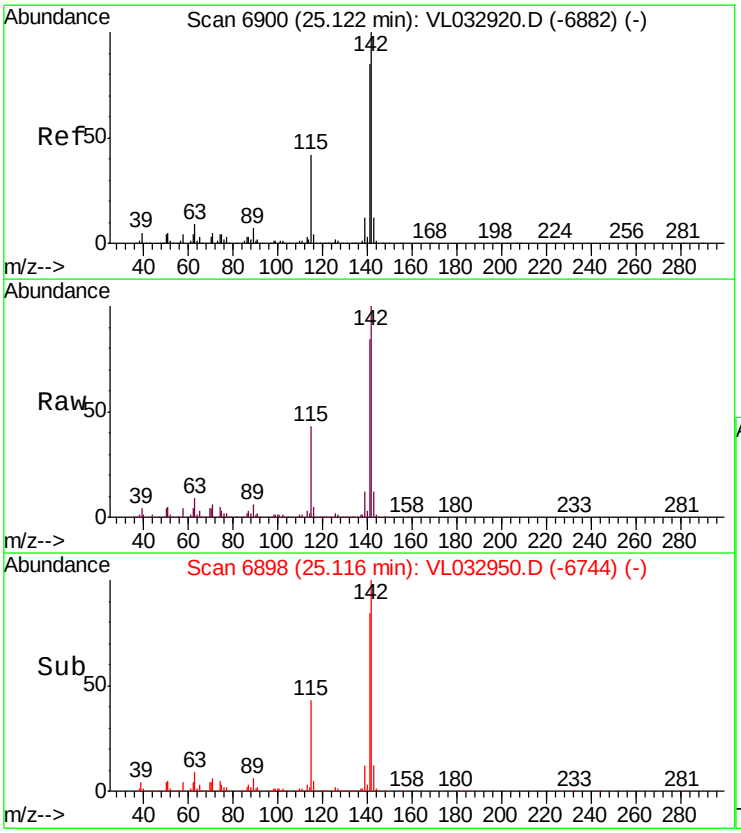

#79
Naphthalene
Concen: 9.403 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :** MSVOA_L
**ClientSampleId :** VL1207ABS01

Tgt Ion:128 Resp: 3183251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 9.9 | 14.9 |
| 129 | 10.3 | 8.6 | 13.0 |

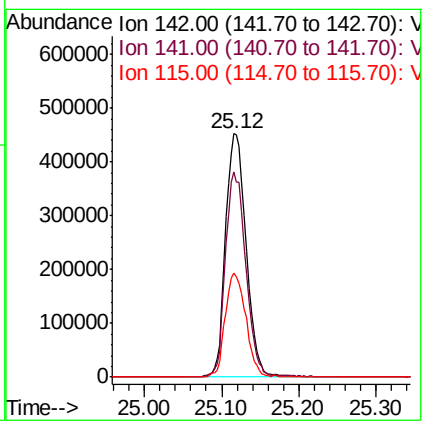


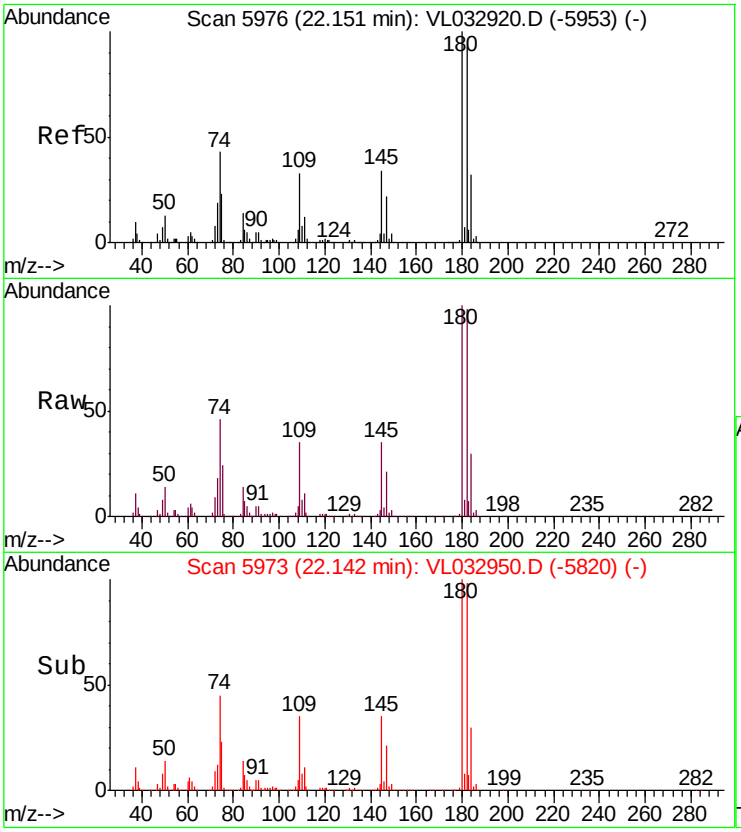




#80
Naphthalene,2-methyl-
Concen: 11.435 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion:142 Resp: 827137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.1 | 68.2 | 102.2 |
| 115 | 42.7 | 35.1 | 52.7 |






#81
1,2,4-Trichlorobenzene
Concen: 8.646 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

**Instrument :**
MSVOA_L
**ClientSampleId :**
VL1207ABS01

Tgt Ion:180 Resp: 1552231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.7 | 77.0 | 115.6 |
| 184 | 30.7 | 24.3 | 36.5 |