Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030420\

Quantitation Report (Not Reviewed)

Data File : VL034780.D
Acq On : 4 Mar 2020 3:57
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Quant Time: Mar 04 06:00:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 05:54:58 2020
QLast Update : Wed Mar 04 05:54:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.67 | 49 | 1076570 | 10.00 | ppbv | 0.00 |
| 33) 1,4-Difluorobenzene | 7.20 | 114 | 2169098 | 10.00 | ppbv | 0.00 |
| 55) Chlorobenzene-d5 | 12.13 | 117 | 2149254 | 10.00 | ppbv | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 68) 1-Bromo-4-Fluorobenzene | 14.47 | 95 | 1822979 | 10.34 | ppbv | 0.00 |
| Spiked Amount 10.000 | Range 65 - 135 | | Recovery = 103.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 3.02 | 85 | 24883 | 0.147 | ppbv # | 79 |
| 3) Chlorodifluoromethane | 2.96 | 51 | 18186 | 0.156 | ppbv | 99 |
| 4) Chloromethane | 3.11 | 50 | 7834 | 0.121 | ppbv | 89 |
| 5) Vinyl Chloride | 3.23 | 62 | 2169 | 0.034 | ppbv # | 77 |
| 6) Bromomethane | 3.46 | 94 | 3865 | 0.104 | ppbv | 89 |
| 7) Chloroethane | 3.53 | 64 | 1065 | 0.045 | ppbv # | 44 |
| 8) Dichlorotetrafluoroethane | 3.16 | 85 | 17824 | 0.119 | ppbv | 99 |
| 9) Propene | 2.98 | 41 | 1518 | 0.031 | ppbv # | 1 |
| 11) Trichlorofluoromethane | 3.94 | 101 | 13066 | 0.088 | ppbv | 83 |
| 12) 1,1,2-Trichlorotrifluoroet | 4.48 | 101 | 11744 | 0.112 | ppbv | 91 |
| 13) Ethanol | 3.60 | 45 | 483 | 0.032 | ppbv # | 1 |
| 14) Bromoethene | 3.72 | 108 | 1478 | 0.034 | ppbv # | 1 |
| 15) Acetone | 3.86 | 43 | 26290 | 0.214 | ppbv # | 84 |
| 16) 1,3-Butadiene | 3.31 | 39 | 4772 | 0.084 | ppbv # | 67 |
| 18) 1,1-Dichloroethene | 4.28 | 96 | 3489 | 0.074 | ppbv # | 80 |
| 19) Isopropyl Alcohol | 3.99 | 45 | 9805 | 0.134 | ppbv # | 87 |
| 20) Methylene Chloride | 4.33 | 84 | 6459 | 0.142 | ppbv # | 78 |
| 21) Allyl Chloride | 4.40 | 41 | 6271 | 0.078 | ppbv # | 21 |
| 22) trans-1,2-Dichloroethene | 4.88 | 96 | 2814 | 0.062 | ppbv # | 1 |
| 23) Vinyl Acetate | 5.09 | 43 | 9196 | 0.055 | ppbv # | 72 |
| 24) 1,1-Dichloroethane | 5.01 | 63 | 8723 | 0.066 | ppbv # | 97 |
| 25) Ethyl Acetate | 5.70 | 43 | 22263 | 0.102 | ppbv # | 92 |
| 26) Hexane | 5.69 | 57 | 8469 | 0.085 | ppbv # | 1 |
| 27) Carbon Disulfide | 4.54 | 76 | 3638 | 0.032 | ppbv # | 31 |
| 29) Chloroform | 5.76 | 83 | 8216 | 0.052 | ppbv # | 78 |
| 30) Cyclohexane | 7.15 | 84 | 2830 | 0.036 | ppbv # | 1 |
| 31) cis-1,2-Dichloroethene | 5.55 | 61 | 3731 | 0.038 | ppbv # | 63 |
| 32) 1,1,1-Trichloroethane | 6.52 | 97 | 6010 | 0.040 | ppbv # | 1 |
| 35) Carbon Tetrachloride | 7.04 | 117 | 8829 | 0.061 | ppbv | 85 |
| 36) Benzene | 6.91 | 78 | 16320 | 0.087 | ppbv # | 85 |
| 37) 1,2-Dichloroethane | 6.32 | 62 | 12187 | 0.102 | ppbv # | 84 |
| 38) Trichloroethene | 7.86 | 130 | 3379 | 0.047 | ppbv # | 55 |
| 39) 1,2-Dichloropropane | 7.20 | 63 | 645921 | 8.707 | ppbv # | 24 |
| 42) Bromodichloromethane | 7.82 | 83 | 9793 | 0.063 | ppbv # | 88 |
| 43) Methyl Methacrylate | 8.04 | 69 | 1708 | 0.022 | ppbv # | 1 |
| 44) 2,2,4-Trimethylpentane | 7.89 | 57 | 9695 | 0.030 | ppbv # | 42 |
| 46) cis-1,3-Dichloropropene | 8.74 | 75 | 5107 | 0.050 | ppbv # | 72 |
| 47) 1,1,2-Trichloroethane | 9.51 | 97 | 1884 | 0.025 | ppbv # | 56 |
| 48) Dibromochloromethane | 10.34 | 129 | 7425 | 0.062 | ppbv | 63 |
| 49) Bromoform | 13.09 | 173 | 3218 | 0.031 | ppbv # | 27 |
| 52) Tetrachloroethene | 11.26 | 164 | 1888 | 0.027 | ppbv # | 60 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030420\

Quantitation Report (Not Reviewed)

Data File : VL034780.D
Acq On : 4 Mar 2020 3:57
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Quant Time: Mar 04 06:00:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 05:54:58 2020
QLast Update : Wed Mar 04 05:54:58 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 57) Chlorobenzene | 12.19 | 112 | 7815 | 0.049 | ppbv | # | 76 |
| 58) Ethyl Benzene | 13.01 | 91 | 5978 | 0.023 | ppbv | | 100 |
| 59) m/p-Xylene | 13.05 | 91 | 9345 | 0.041 | ppbv | # | 1 |
| 60) o-Xylene | 13.75 | 91 | 8341 | 0.037 | ppbv | # | 44 |
| 62) Isopropylbenzene | 14.72 | 105 | 8080 | 0.025 | ppbv | # | 49 |
| 63) 1,1,2,2-Tetrachloroethane | 13.73 | 83 | 6478 | 0.037 | ppbv | # | 1 |
| 66) Benzyl Chloride | 17.06 | 91 | 3004 | 0.029 | ppbv | # | 68 |
| 72) 4-Ethyltoluene | 15.90 | 105 | 5176 | 0.021 | ppbv | # | 33 |
| 73) 1,3,5-Trimethylbenzene | 16.06 | 105 | 5169 | 0.021 | ppbv | # | 51 |
| 75) 1,3-Dichlorobenzene | 17.05 | 146 | 7158 | 0.046 | ppbv | # | 23 |
| 76) 1,4-Dichlorobenzene | 17.20 | 146 | 5734 | 0.037 | ppbv | # | 1 |
| 77) 1,2-Dichlorobenzene | 17.89 | 146 | 9668 | 0.065 | ppbv | # | 62 |
| 78) Hexachloro-1,3-Butadiene | 23.44 | 225 | 5806 | 0.045 | ppbv | # | 18 |
| 80) Naphthalene,2-methyl- | 25.05 | 142 | 2378 | 0.033 | ppbv | # | 71 |

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

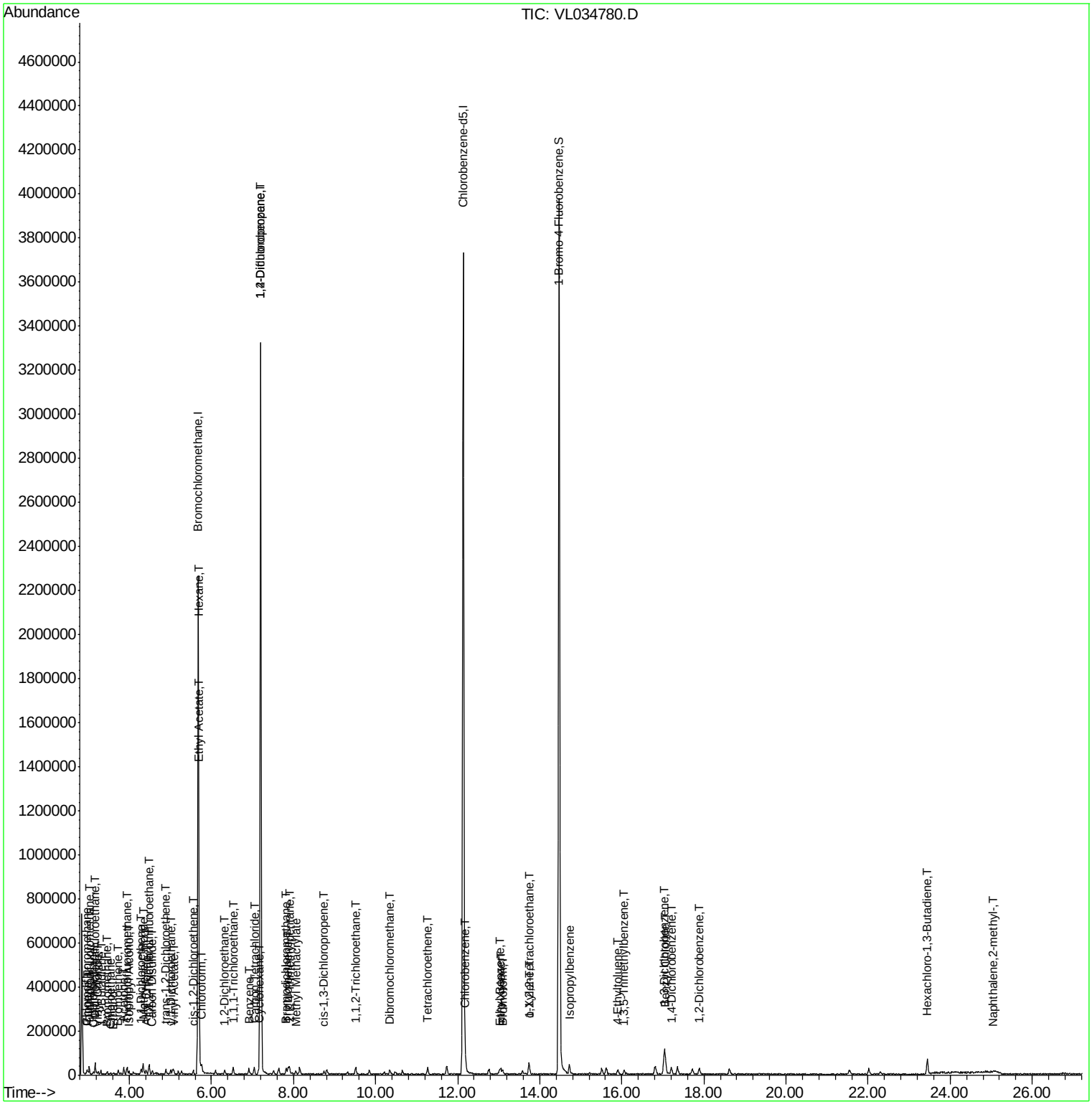
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030420\

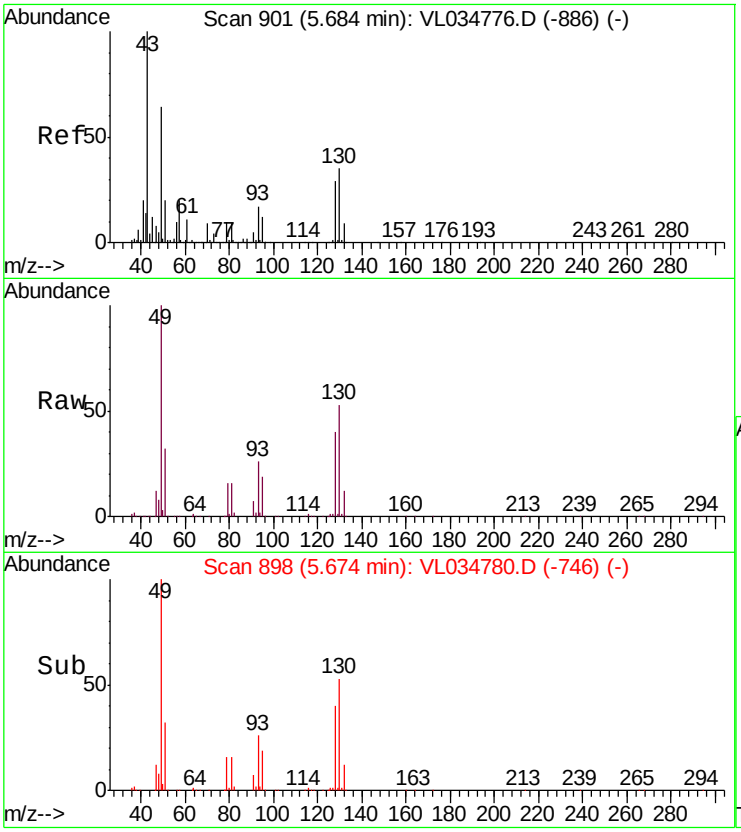
Quantitation Report (Not Reviewed)

Data File : VL034780.D
Acq On : 4 Mar 2020 3:57
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Quant Time: Mar 04 06:00:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 05:54:58 2020
QLast Update : Wed Mar 04 05:54:58 2020
Response via : Initial Calibration



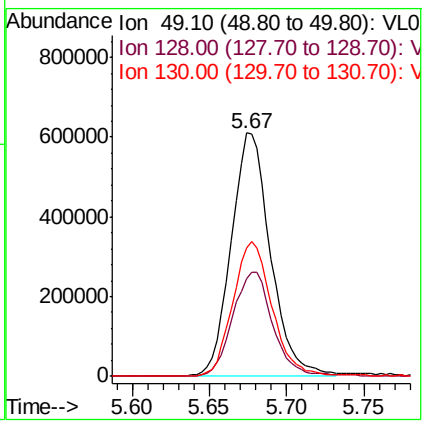


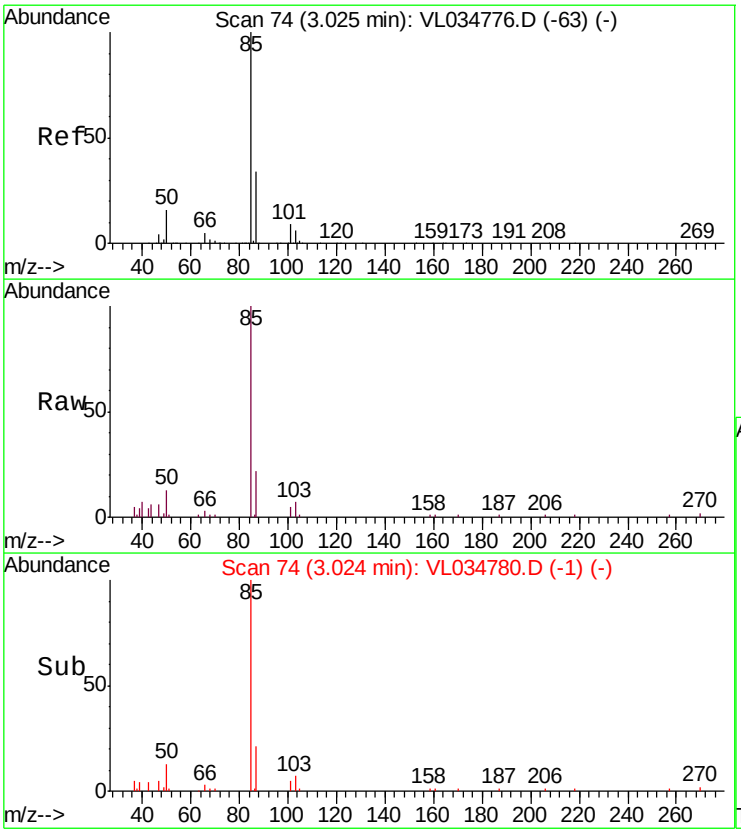

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 49 Resp: 1076570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 128 | 44.2 | 21.6 | 64.6 |
| 130 | 55.8 | 27.4 | 82.2 |

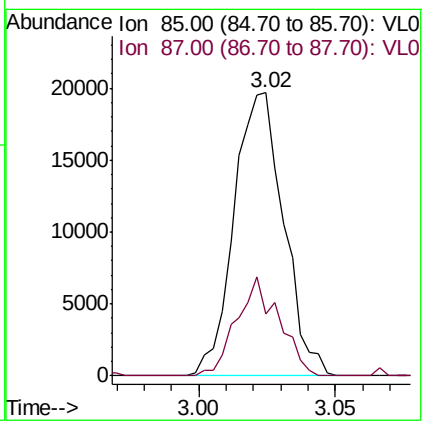


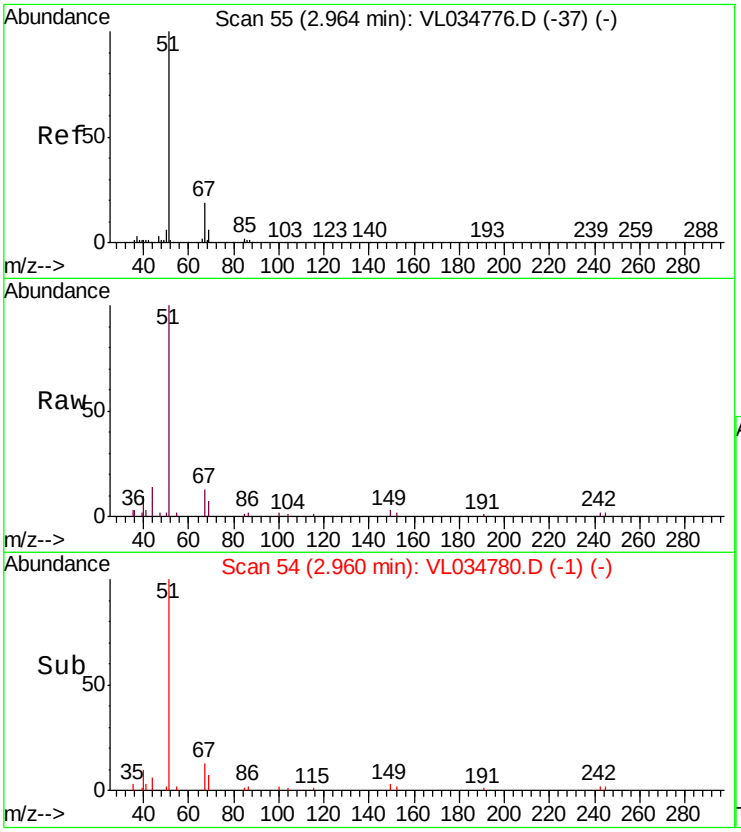




#2
Dichlorodifluoromethane
Concen: 0.147 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 85 Resp: 24883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 22.0 | 27.2 | 40.8# |



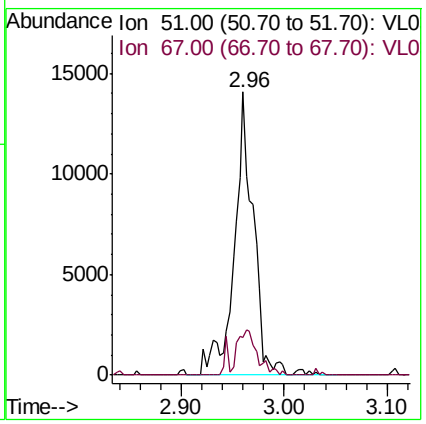


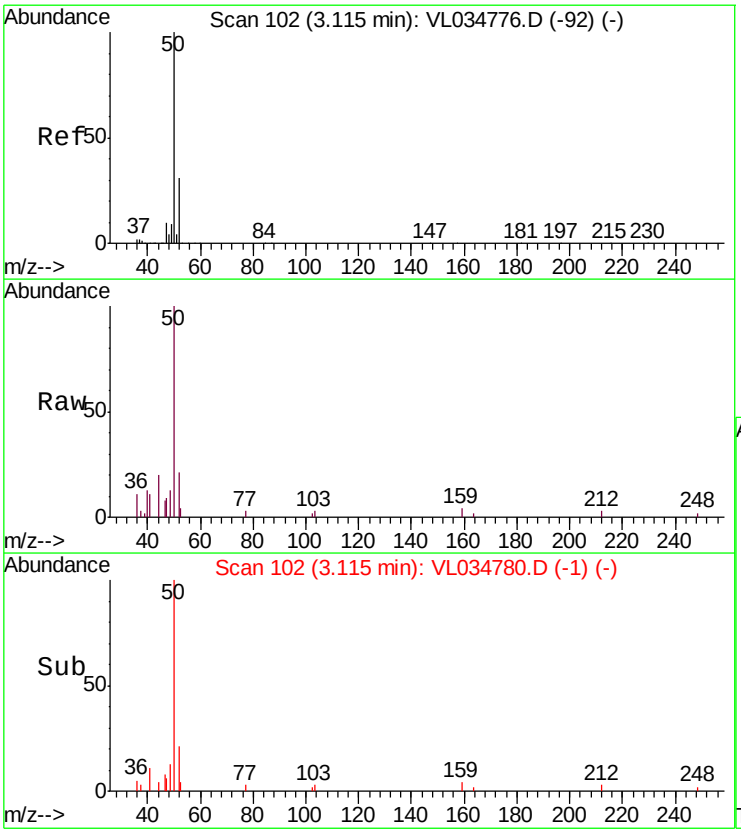

#3
Chlorodifluoromethane
Concen: 0.156 ppbv
RT: 2.96 min Scan# 54
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 51 Resp: 18186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 51 | 100 | | |
| 67 | 19.5 | 15.3 | 22.9 |

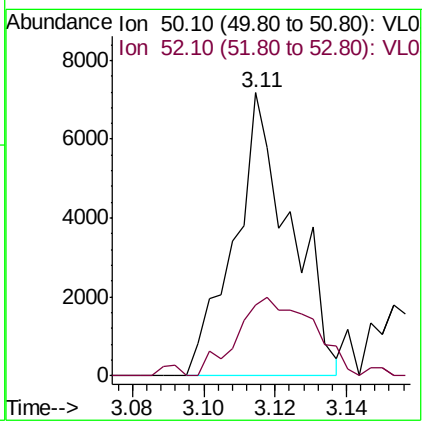


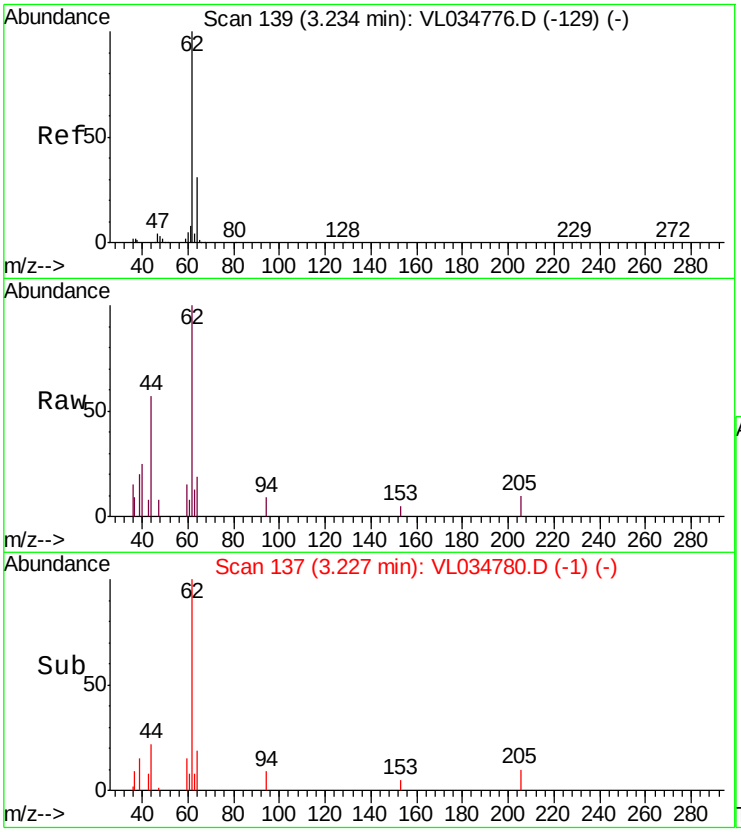




#4
Chloromethane
Concen: 0.121 ppbv
RT: 3.11 min Scan# 102
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 50 Resp: 7834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 25.2 | 25.0 | 37.4 |



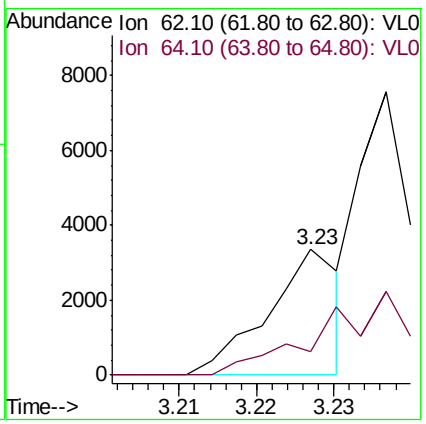


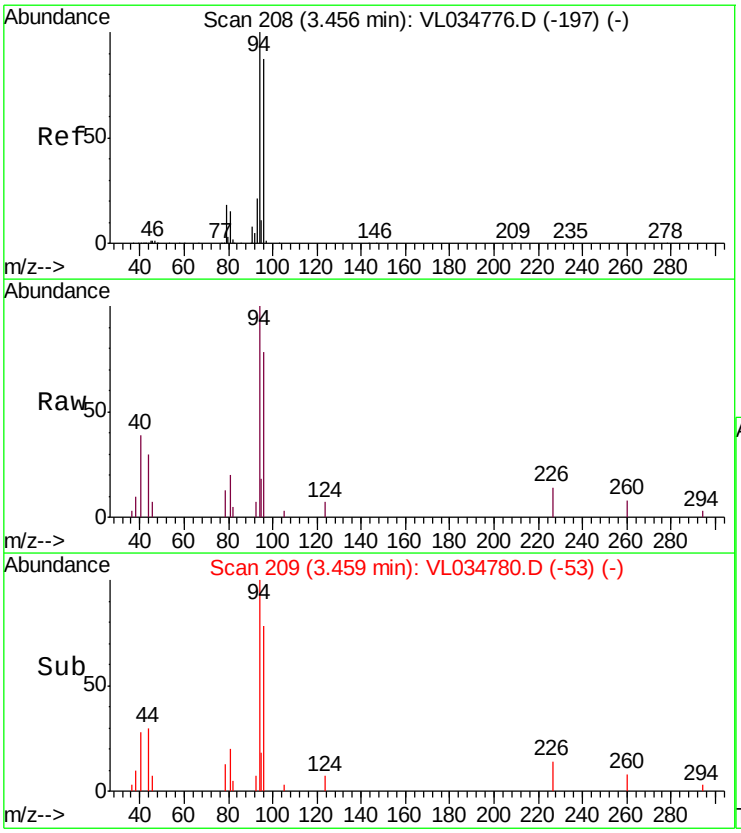

#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 3.23 min Scan# 137
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 62 Resp: 2169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 18.9 | 25.1 | 37.7# |

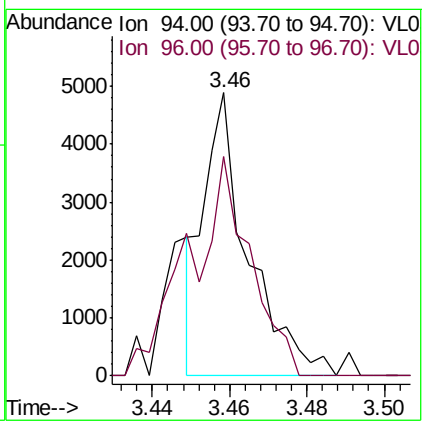


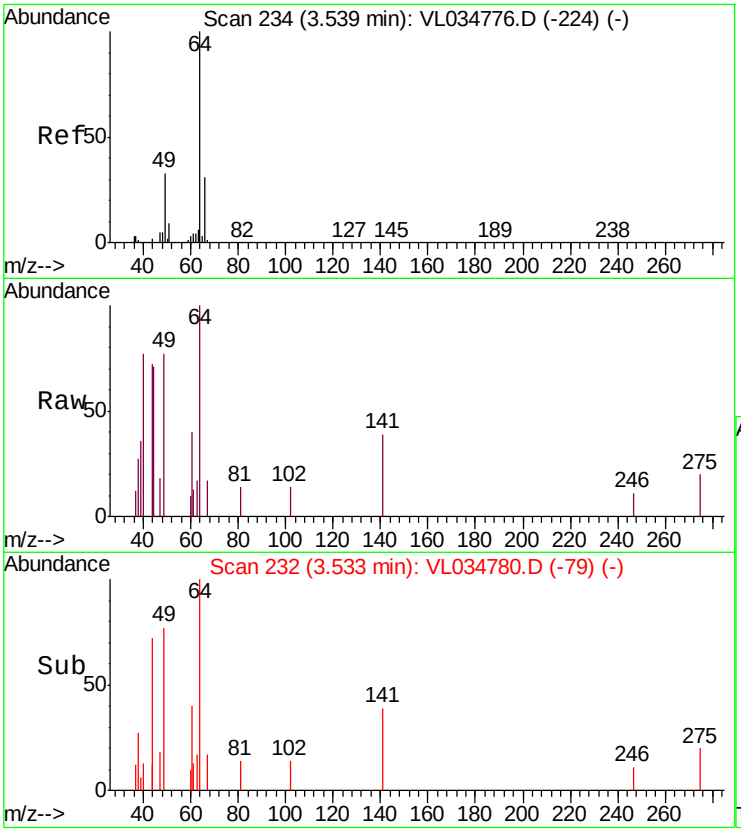




#6
Bromomethane
Concen: 0.104 ppbv
RT: 3.46 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 94 Resp: 3865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 77.7 | 70.0 | 105.0 |



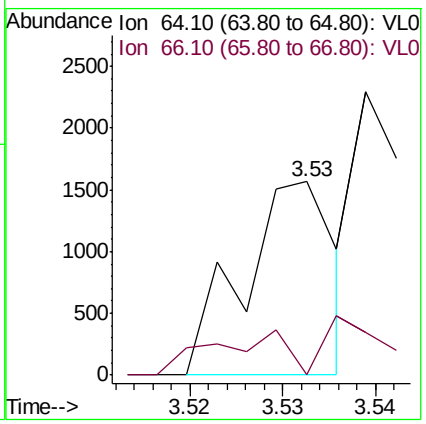


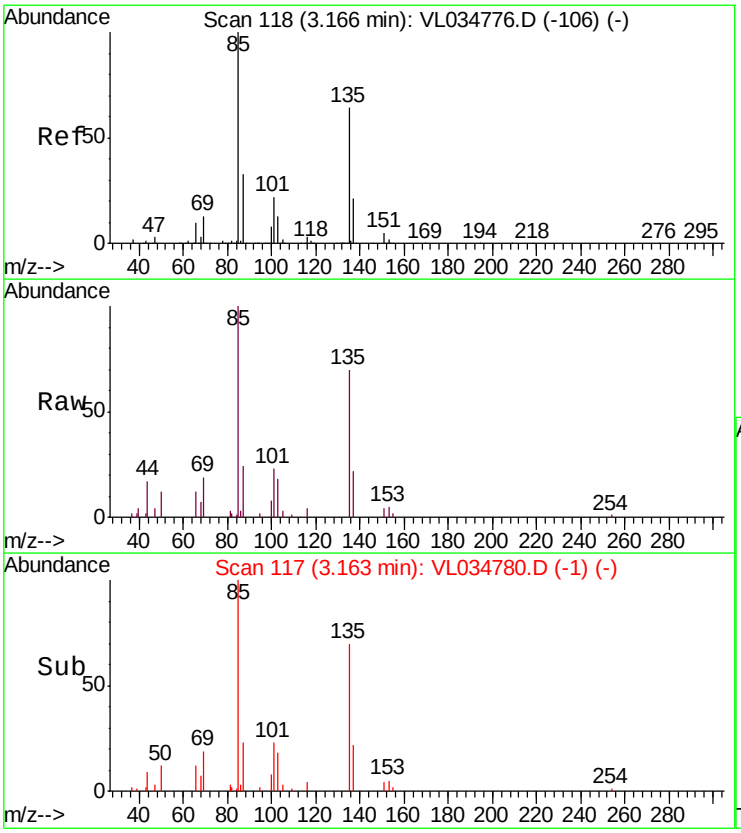

#7
Chloroethane
Concen: 0.045 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 64 Resp: 1065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 0.0 | 24.8 | 37.2# |

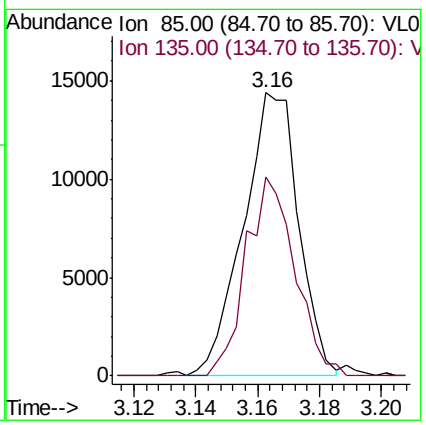


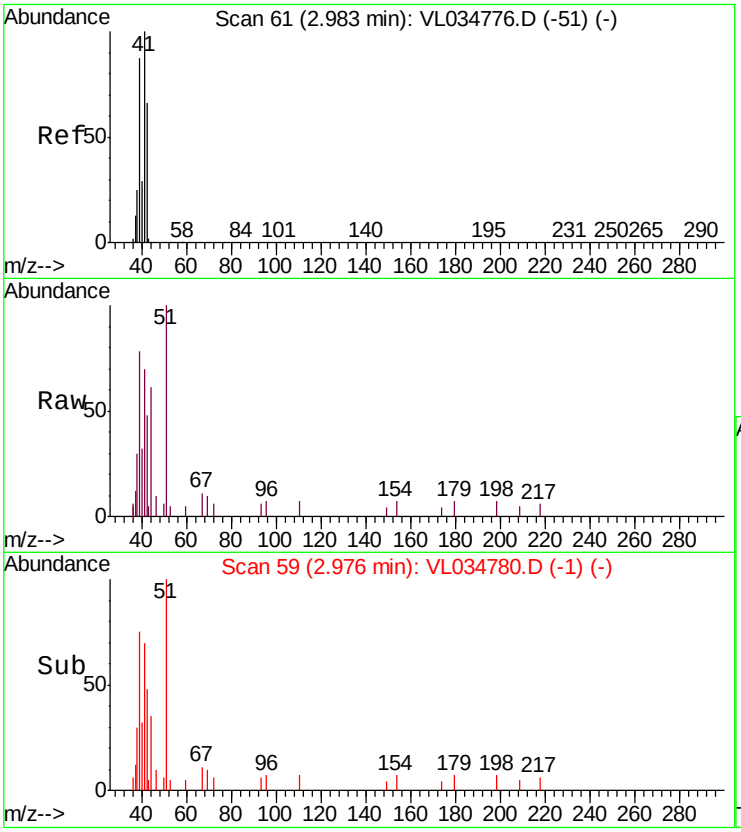




#8
Dichlorotetrafluoroethane
Concen: 0.119 ppbv
RT: 3.16 min Scan# 117
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 85 Resp: 17824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 62.4 | 49.4 | 74.2 |

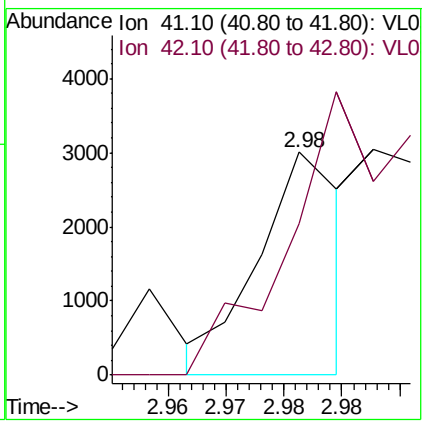




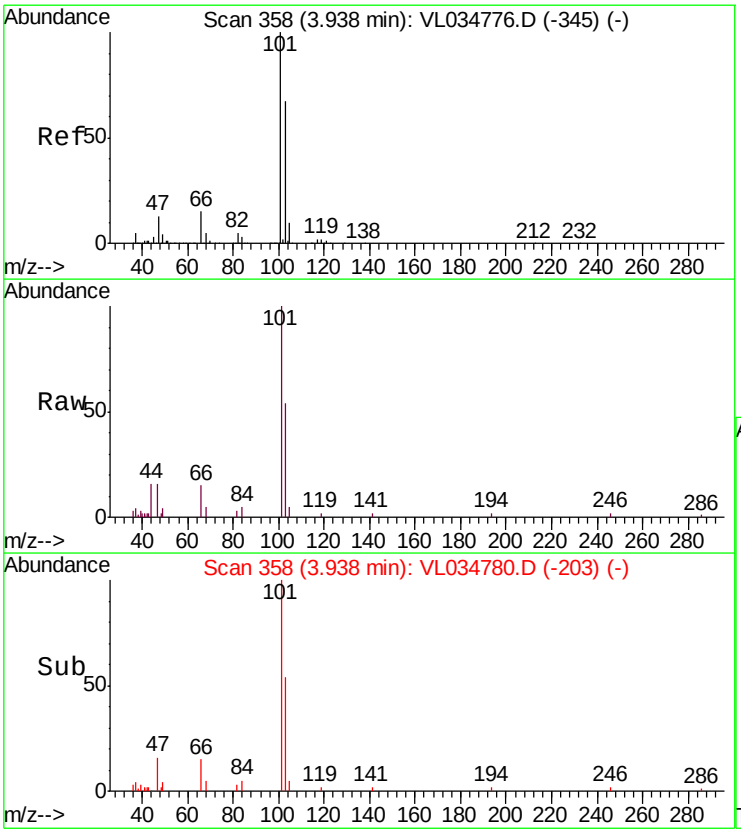

#9
Propene
Concen: 0.031 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 41 Resp: 1518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 42 | 306.6 | 55.6 | 83.4# |



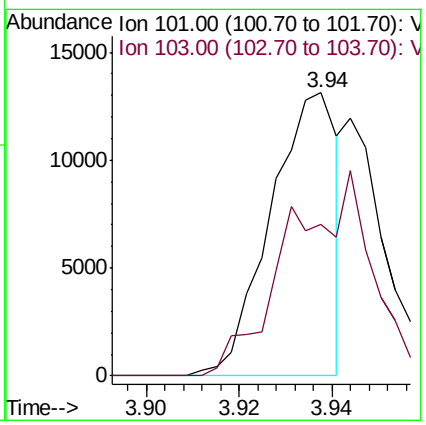

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

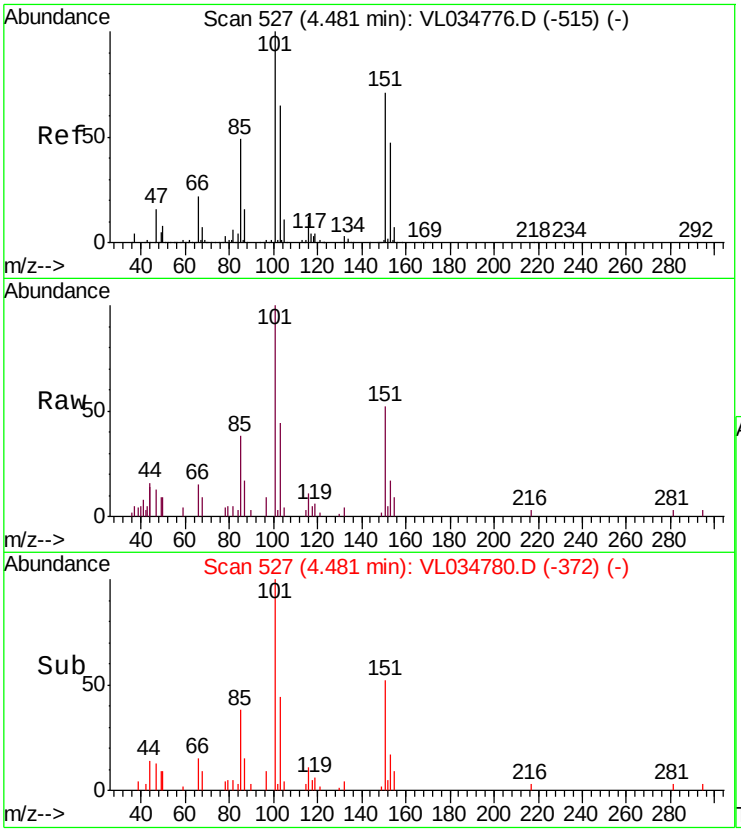



#11
Trichlorofluoromethane
Concen: 0.088 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:101 Resp: 13066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 53.6 | 53.6 | 80.4 |



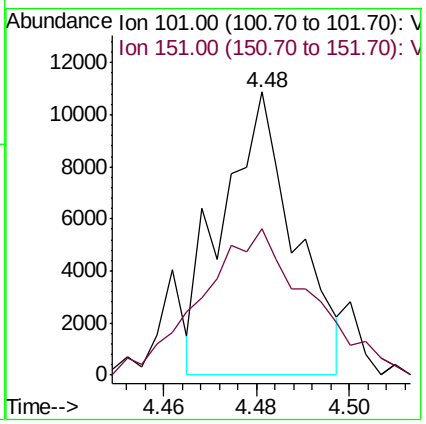


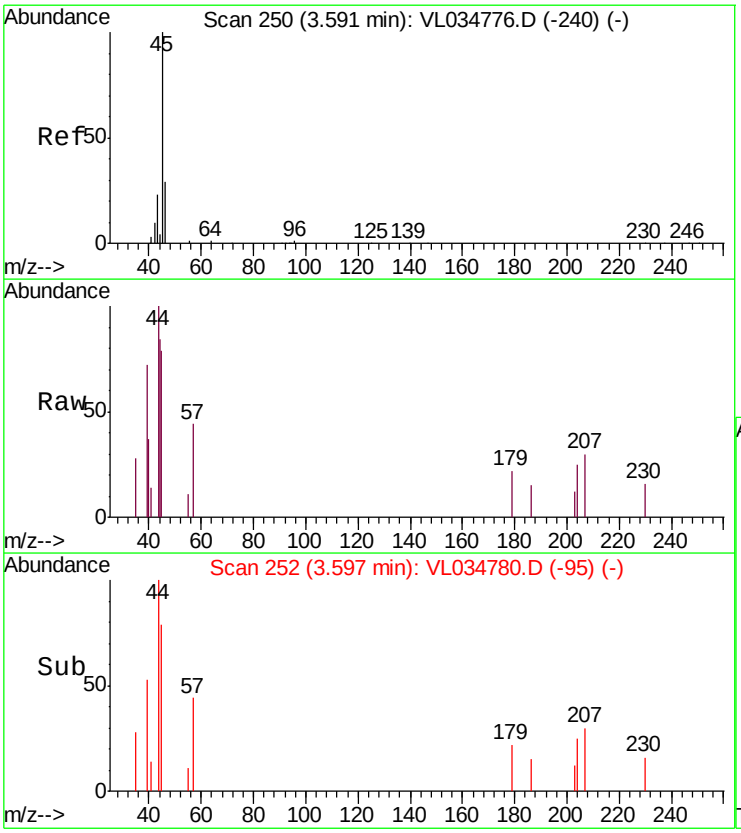

#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.112 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:101 Resp: 11744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 151 | 78.2 | 56.6 | 85.0 |

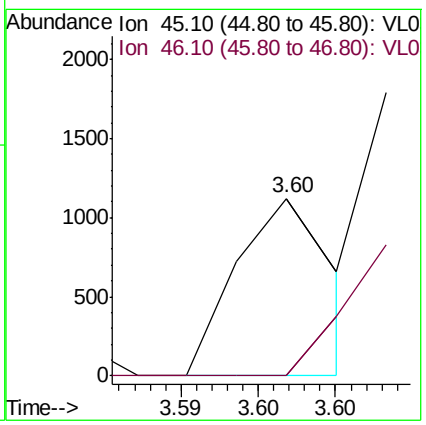


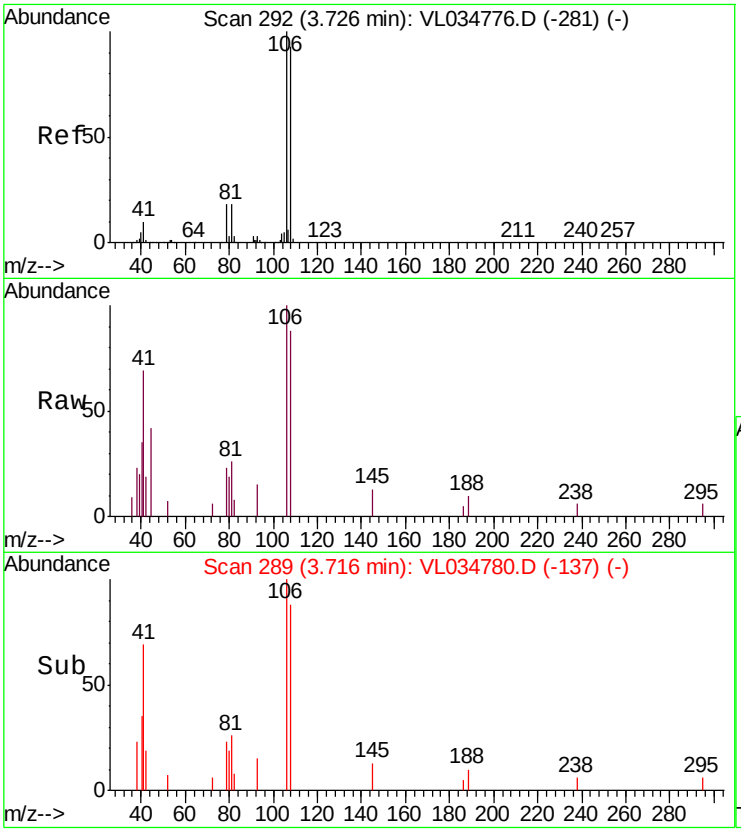




#13
Ethanol
Concen: 0.032 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 45 Resp: 483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 175.6 | 14.7 | 58.9# |



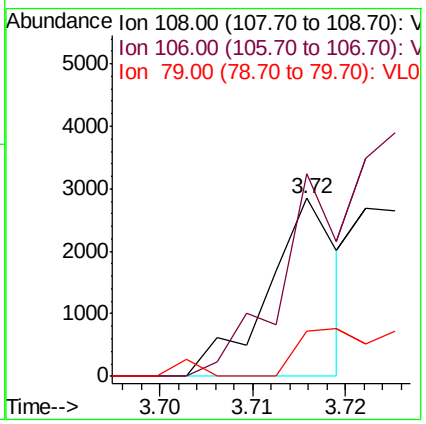


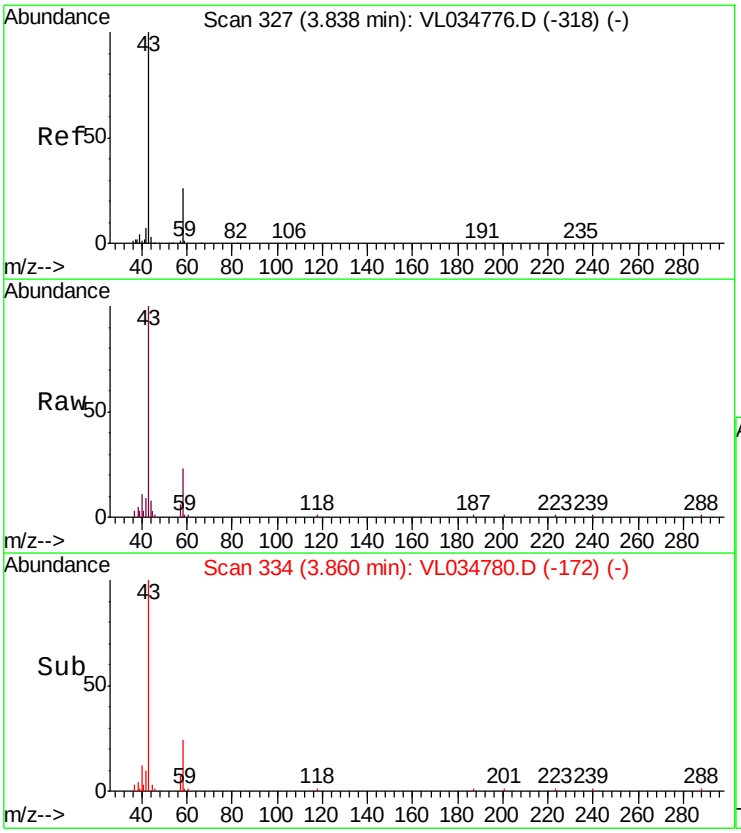

#14
Bromoethene
Concen: 0.034 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion:108 Resp: 1478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 106 | 0.0 | 83.5 | 125.3# |
| 79 | 78.1 | 15.6 | 23.4# |

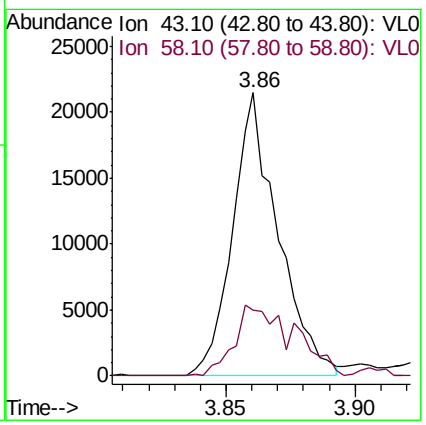


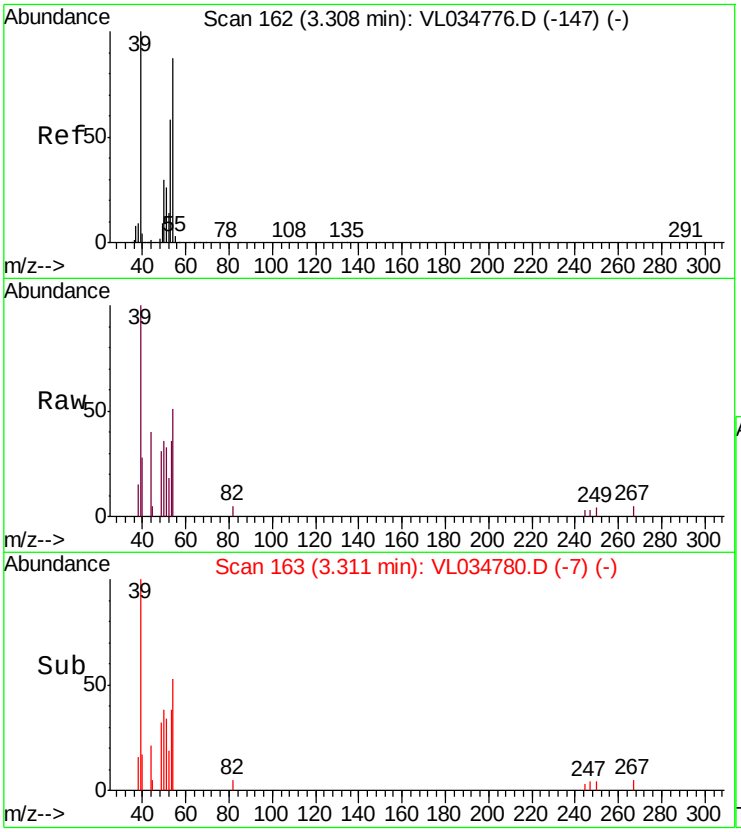




#15
Acetone
Concen: 0.214 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 43 Resp: 26290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.3 | 21.0 | 31.6# |



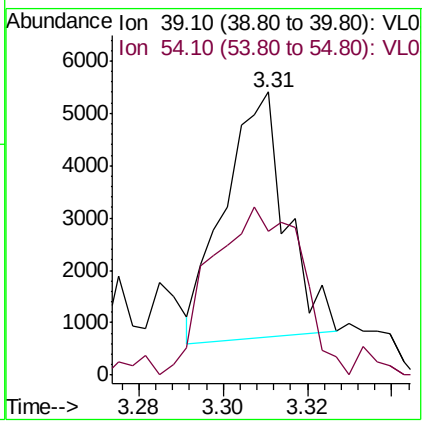


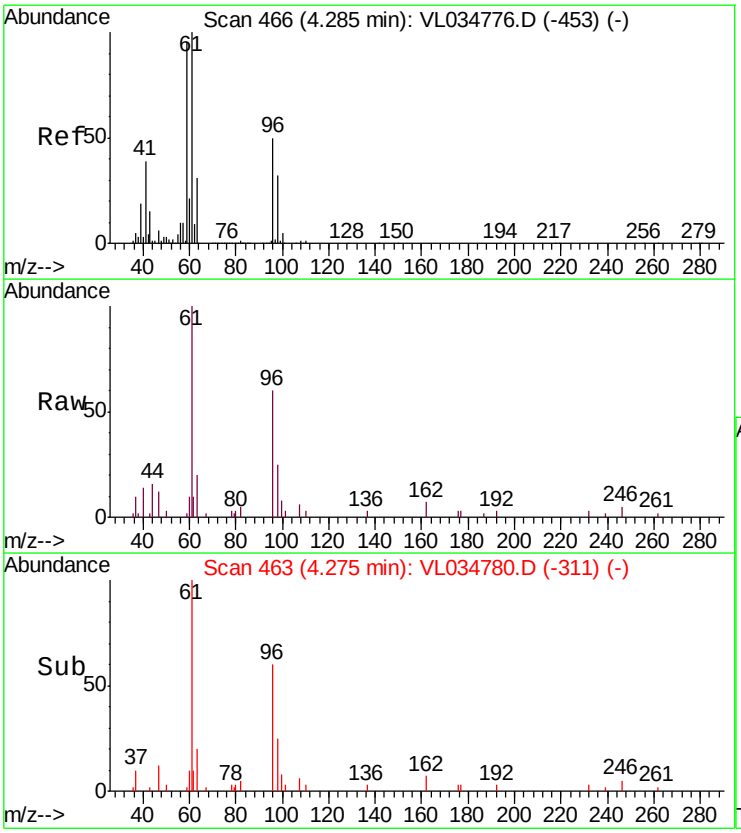

#16
1,3-Butadiene
Concen: 0.084 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 39 Resp: 4772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 39 | 100 | | |
| 54 | 109.3 | 64.2 | 96.2# |

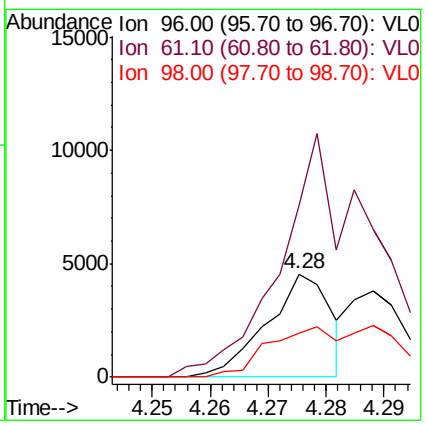


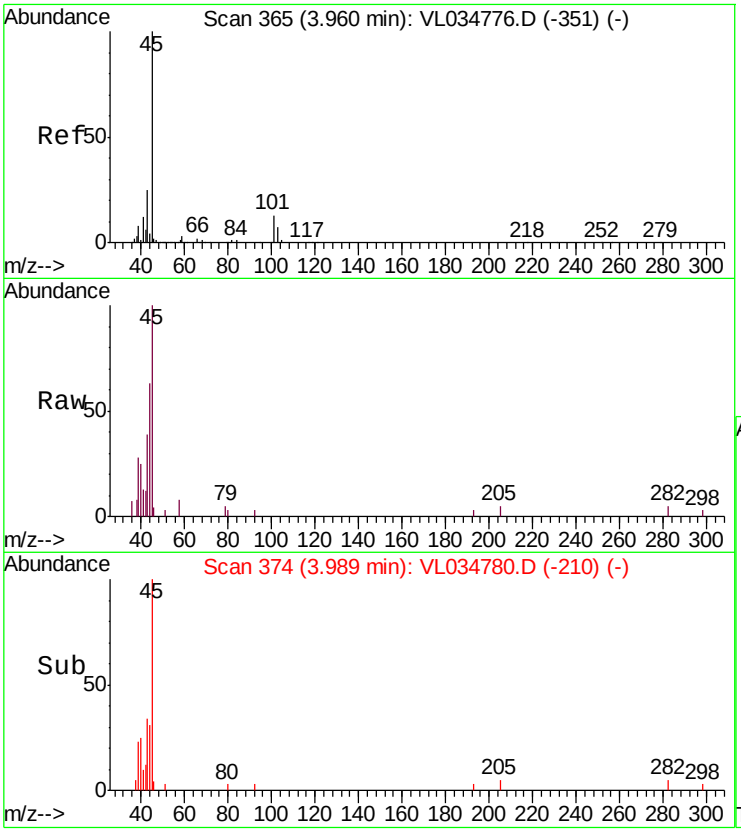




#18
1,1-Dichloroethene
Concen: 0.074 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 96 Resp: 3489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.2 | 159.5 | 239.3 |
| 98 | 42.0 | 51.1 | 76.7# |



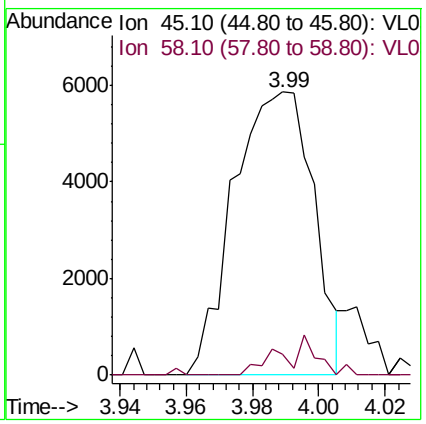


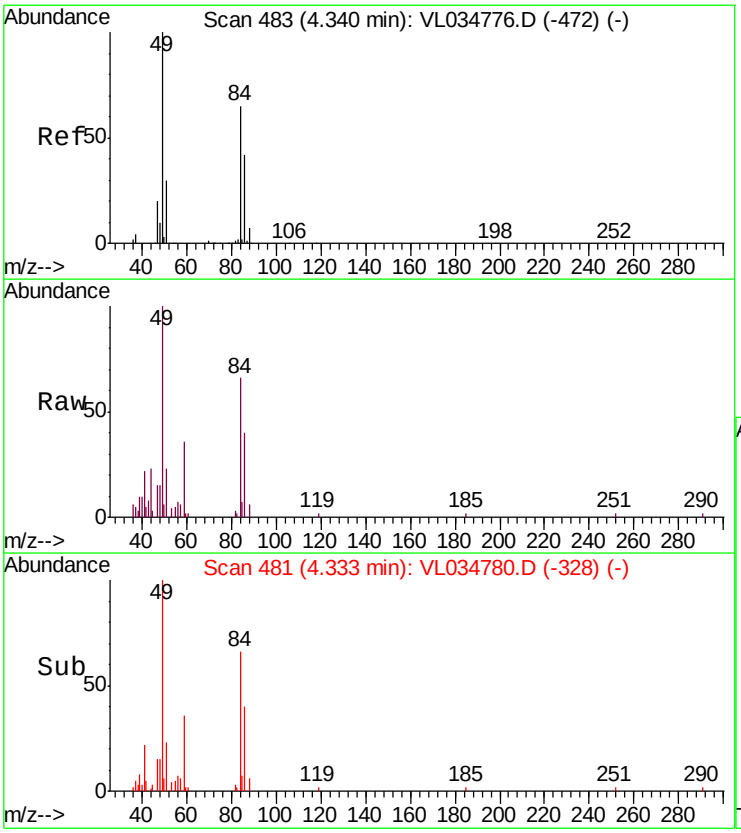

#19
Isopropyl Alcohol
Concen: 0.134 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 45 Resp: 9805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 58 | 6.9 | 1.8 | 2.8# |

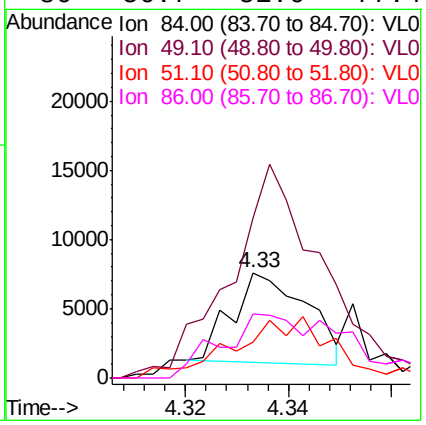


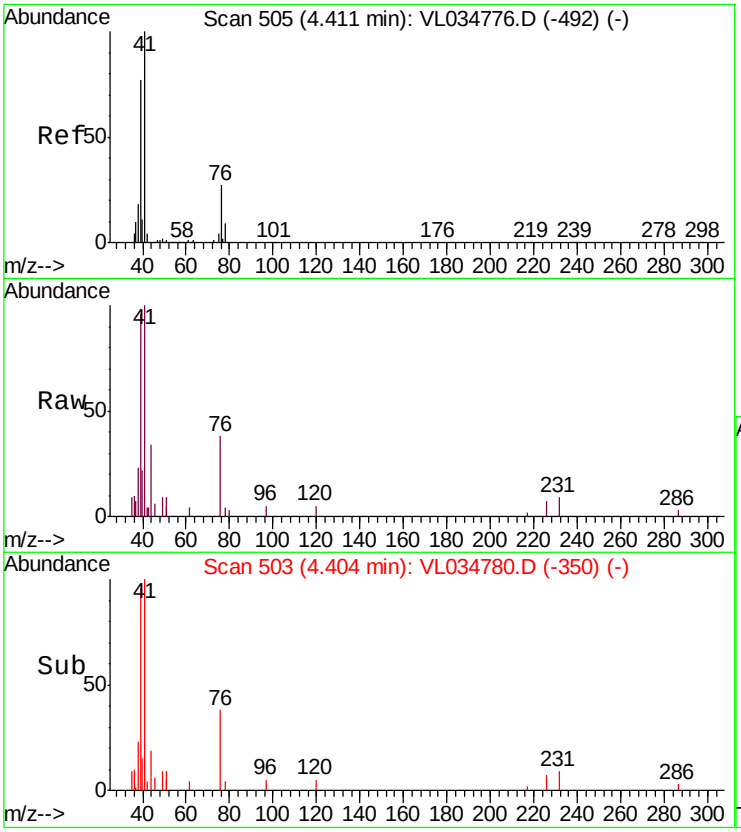




#20
Methylene Chloride
Concen: 0.142 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 84 Resp: 6459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.2 | 123.2 | 184.8# |
| 51 | 29.7 | 37.4 | 56.2# |
| 86 | 56.7 | 51.6 | 77.4 |



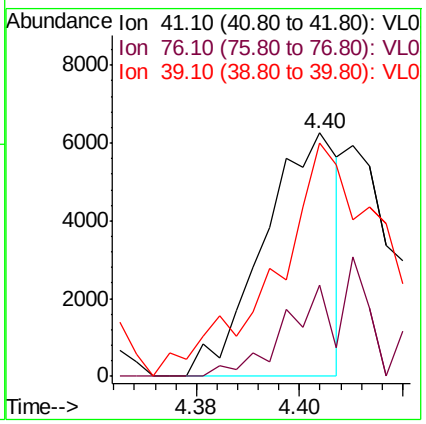


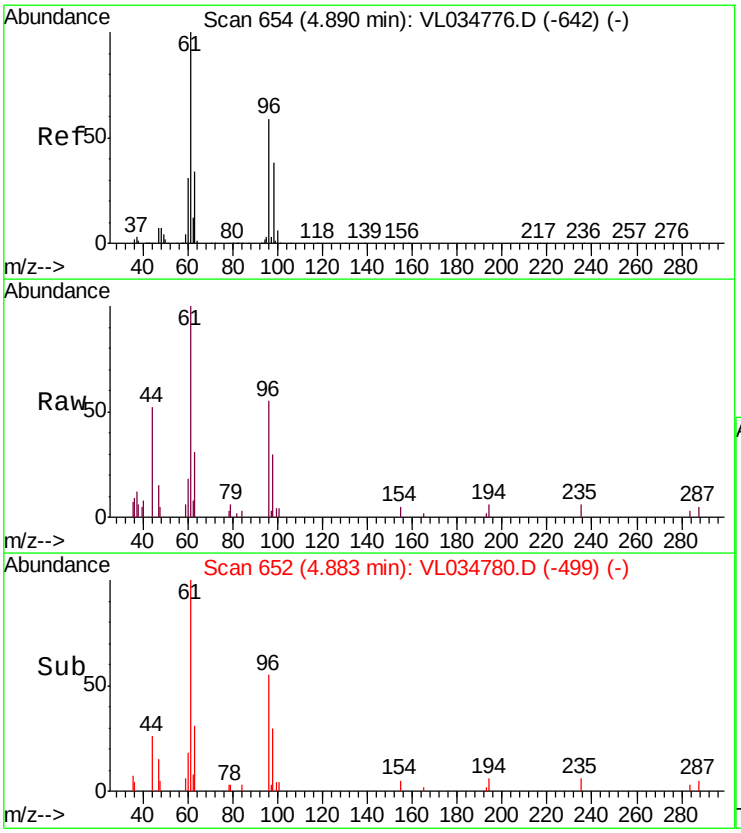

#21
Allyl Chloride
Concen: 0.078 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 41 Resp: 6271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 76 | 0.0 | 22.5 | 33.7# |
| 39 | 159.2 | 65.0 | 97.6# |

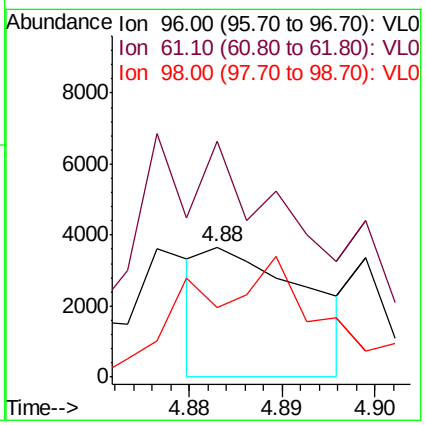


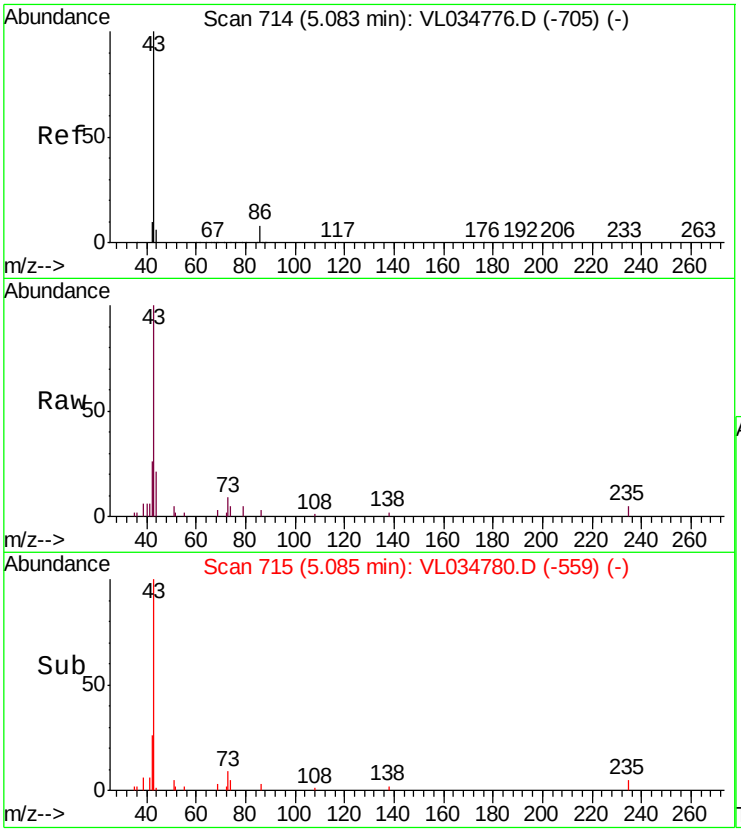




#22
trans-1,2-Dichloroethene
Concen: 0.062 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 96 Resp: 2814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 386.4 | 135.2 | 202.8# |
| 98 | 32.9 | 50.8 | 76.2# |



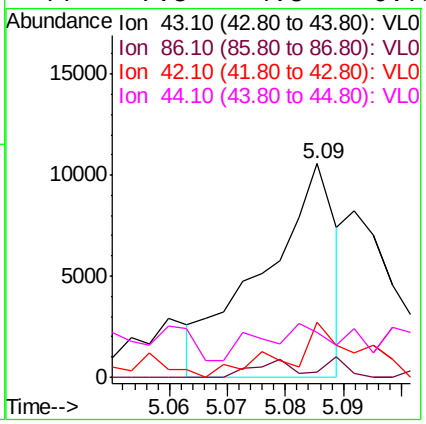


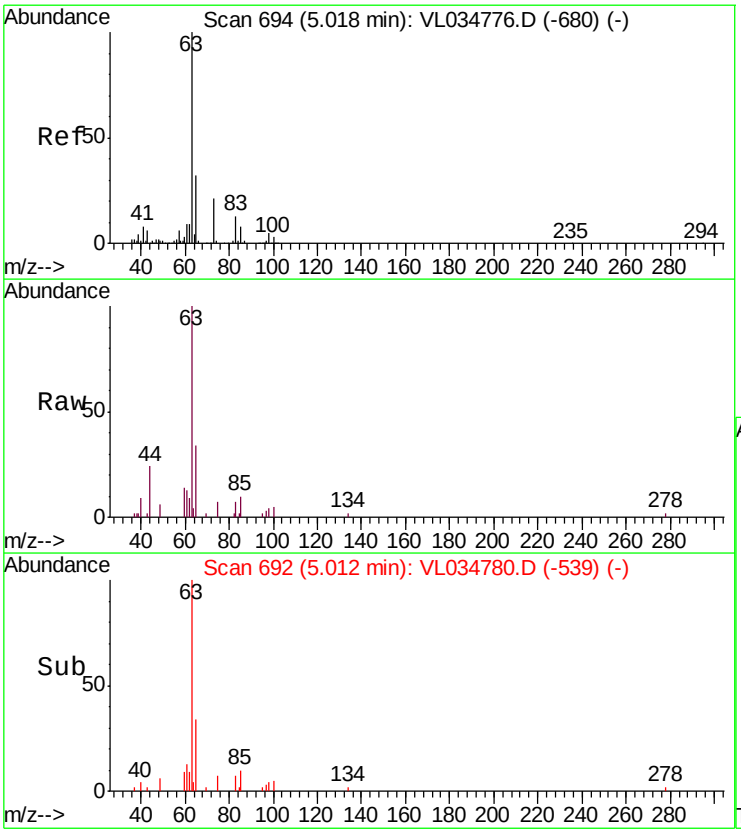

#23
Vinyl Acetate
Concen: 0.055 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 43 Resp: 9196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 3.4 | 5.9 | 8.9# |
| 42 | 29.4 | 8.2 | 12.2# |
| 44 | 7.5 | 4.5 | 6.7# |

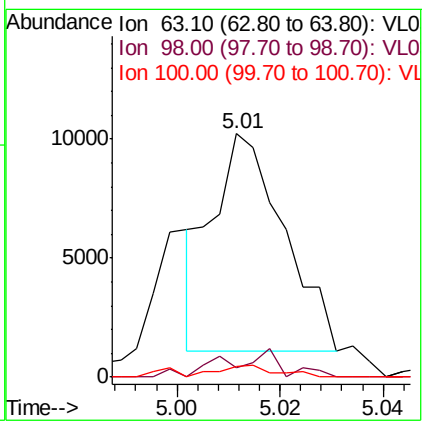


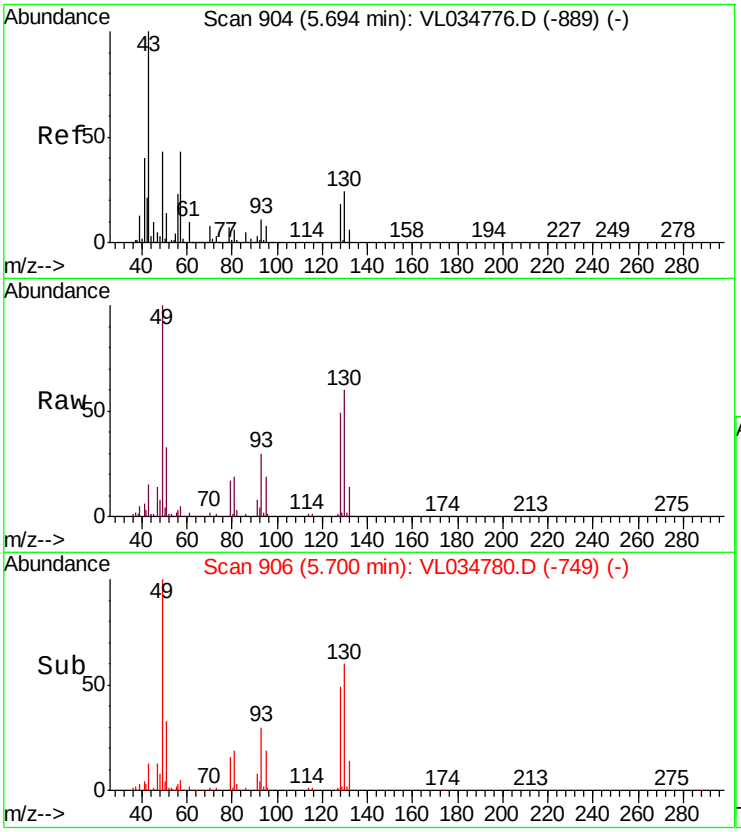




#24
1,1-Dichloroethane
Concen: 0.066 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 63 Resp: 8723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.4 | 2.3 | 6.8 |
| 100 | 5.0 | 1.5 | 4.4# |



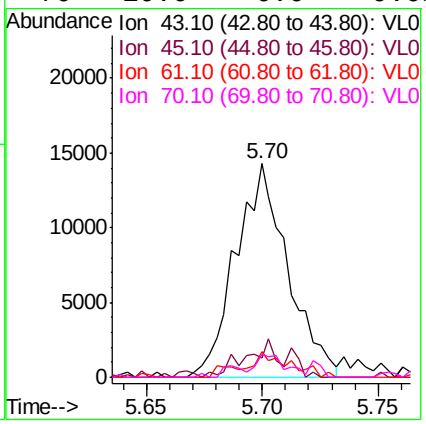


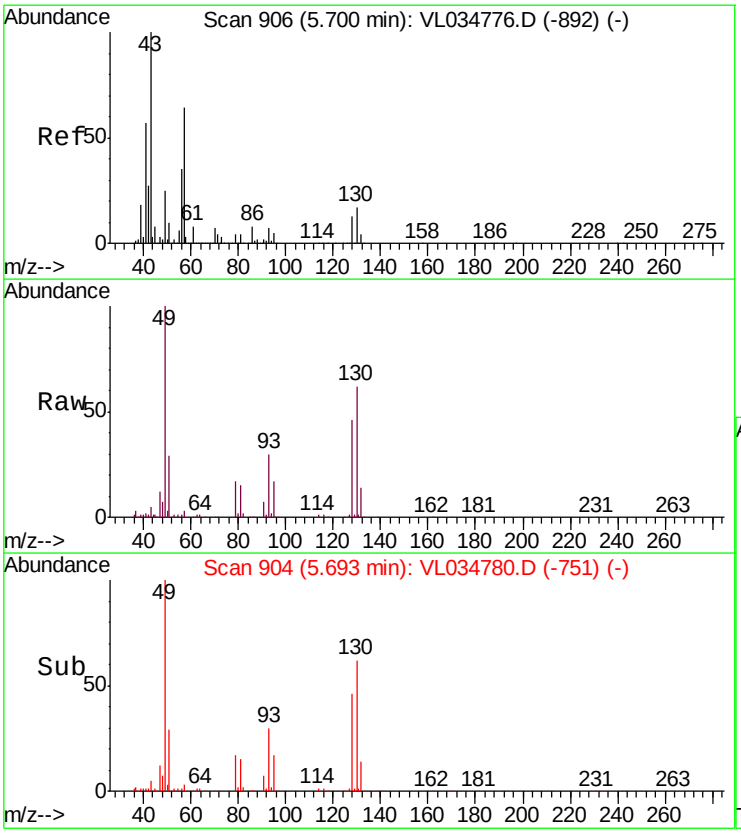

#25
Ethyl Acetate
Concen: 0.102 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 43 Resp: 22263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 15.3 | 8.2 | 12.4# |
| 61 | 10.3 | 7.5 | 11.3 |
| 70 | 10.0 | 6.0 | 9.0# |

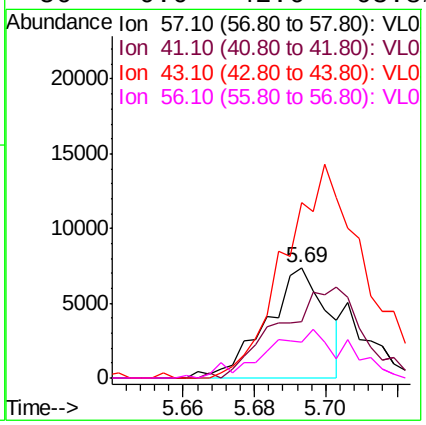


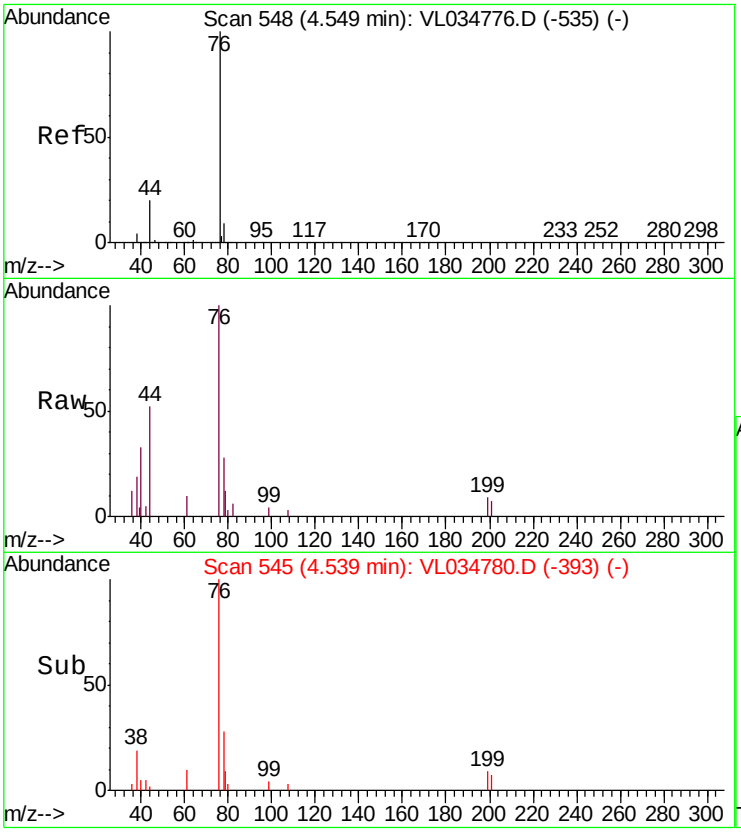




#26
Hexane
Concen: 0.085 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 57 Resp: 8469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 0.0 | 72.0 | 108.0# |
| 43 | 0.0 | 179.1 | 268.7# |
| 56 | 0.0 | 42.6 | 63.8# |



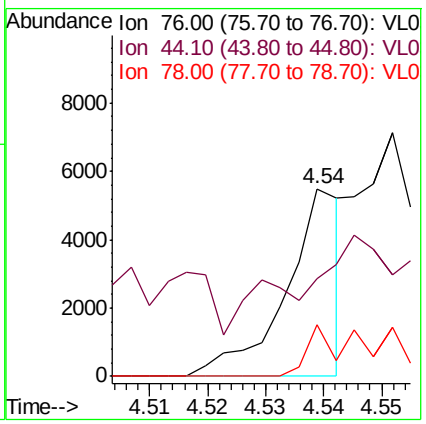


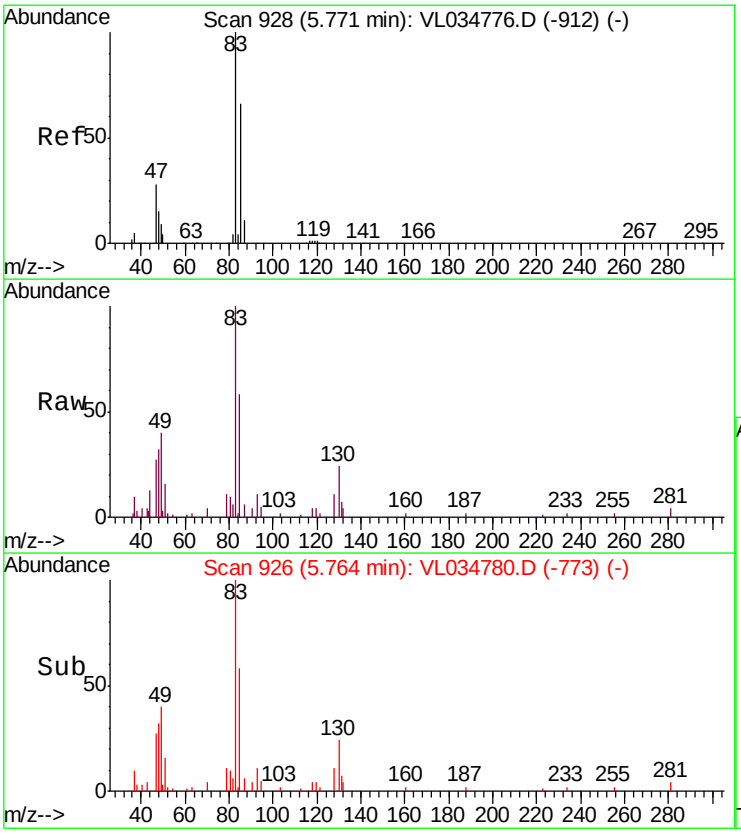

#27
Carbon Disulfide
Concen: 0.032 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 76 Resp: 3638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 44 | 0.0 | 16.1 | 24.1# |
| 78 | 54.6 | 7.5 | 11.3# |

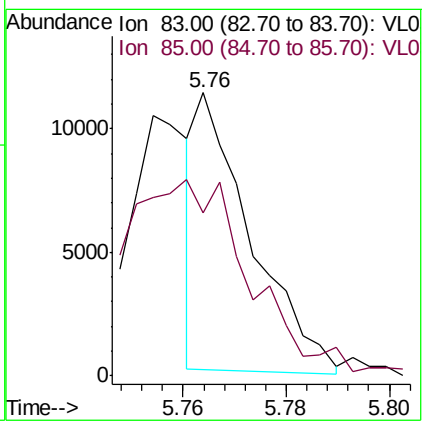


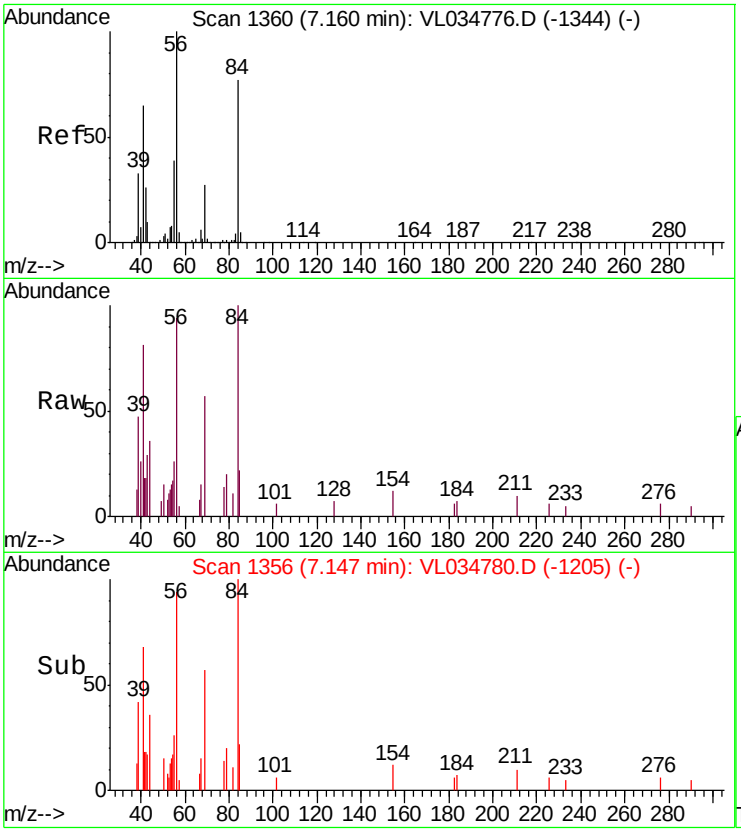




#29
Chloroform
Concen: 0.052 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 83 Resp: 8216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 49.0 | 53.0 | 79.4# |



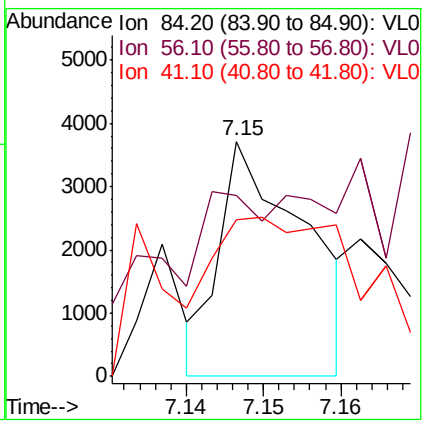


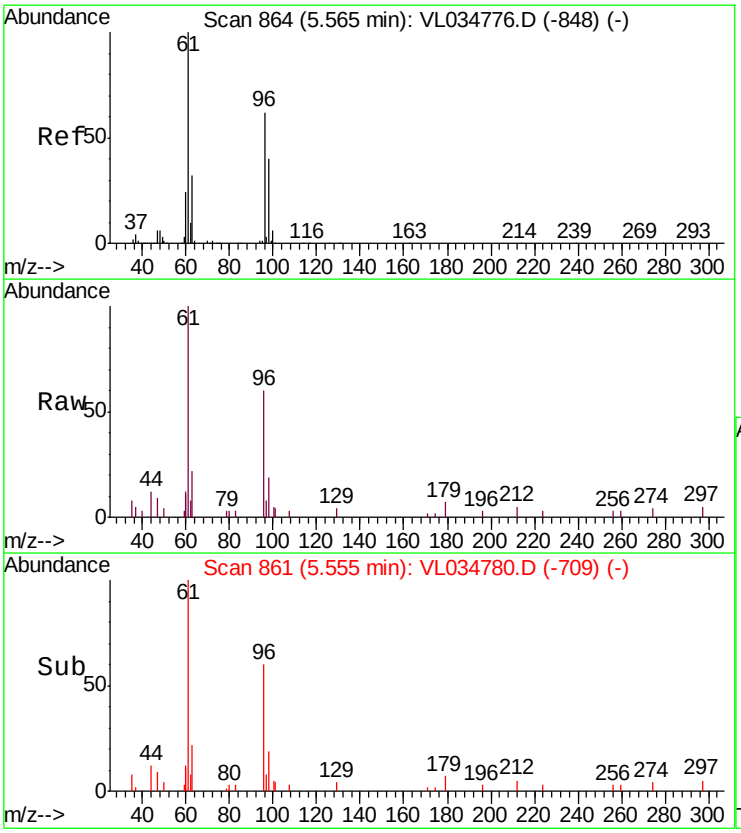

#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 84 Resp: 2830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 56 | 0.0 | 113.2 | 169.8# |
| 41 | 187.6 | 70.2 | 105.4# |

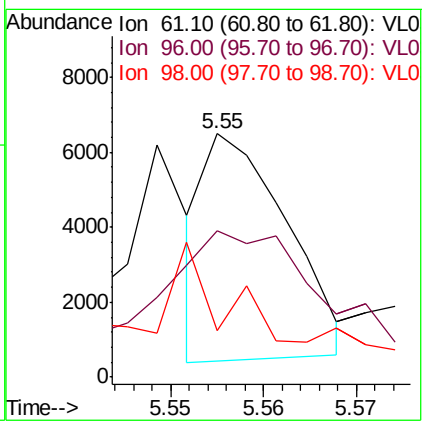


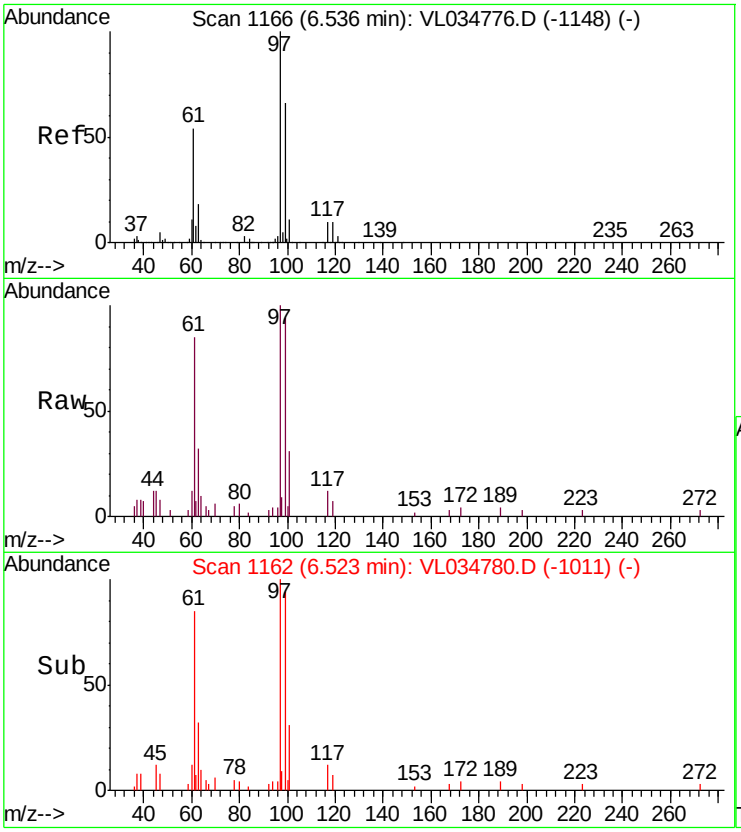




#31
cis-1,2-Dichloroethene
Concen: 0.038 ppbv
RT: 5.55 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 61 Resp: 3731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 96 | 47.2 | 49.7 | 74.5# |
| 98 | 0.0 | 31.9 | 47.9# |



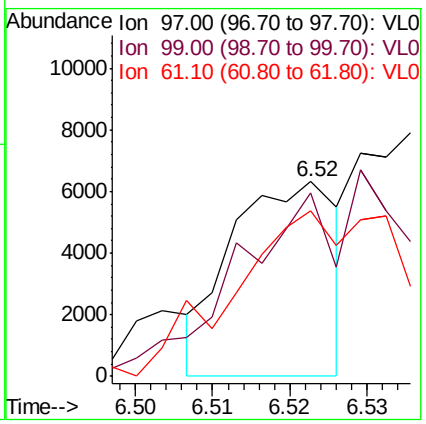


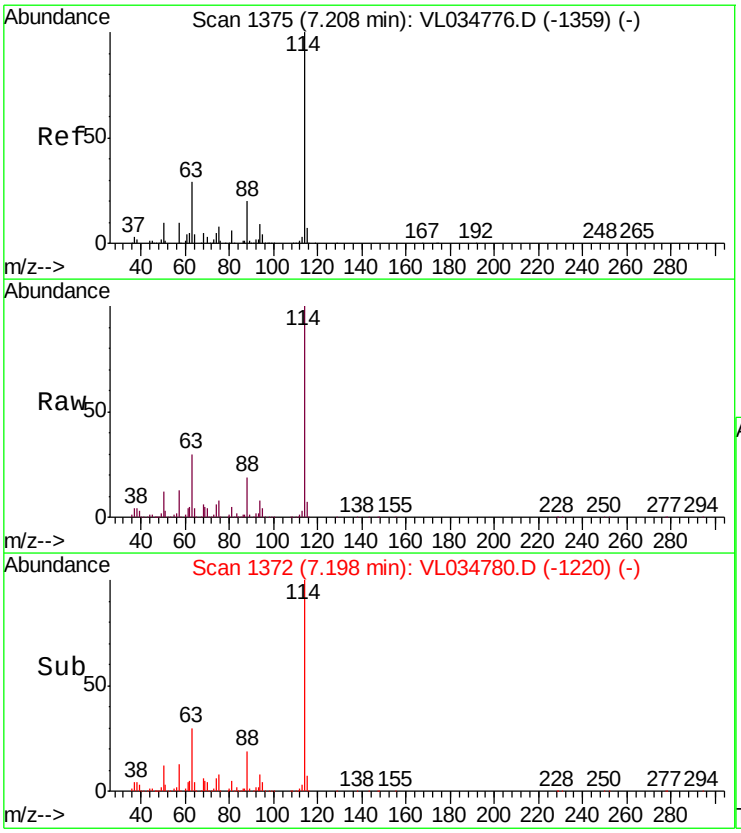

#32
1,1,1-Trichloroethane
Concen: 0.040 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 97 Resp: 6010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 177.2 | 51.7 | 77.5# |
| 61 | 166.5 | 43.4 | 65.0# |

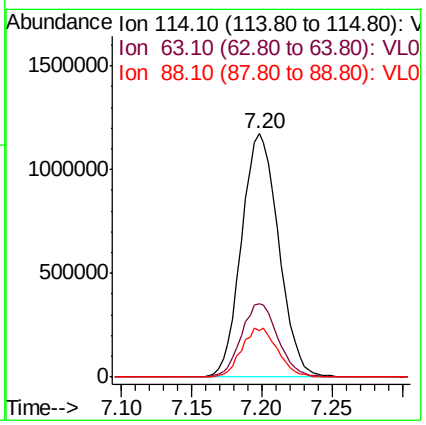


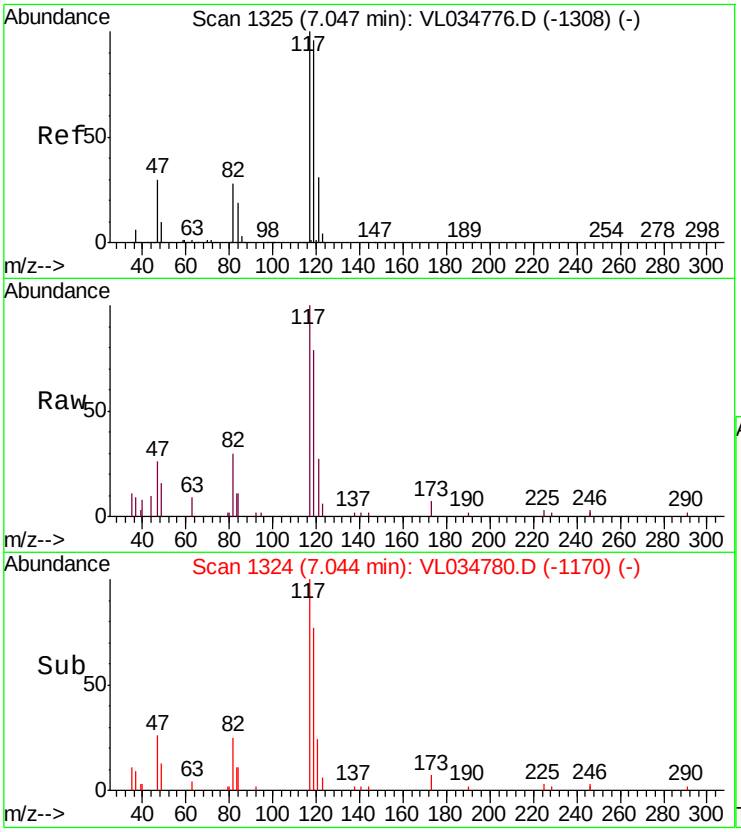




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:114 Resp: 2169098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 30.0 | 23.6 | 35.4 |
| 88 | 19.7 | 15.8 | 23.8 |



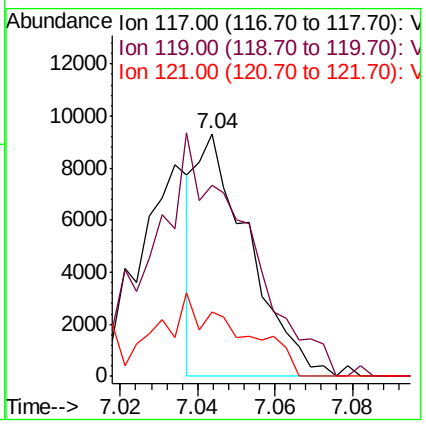


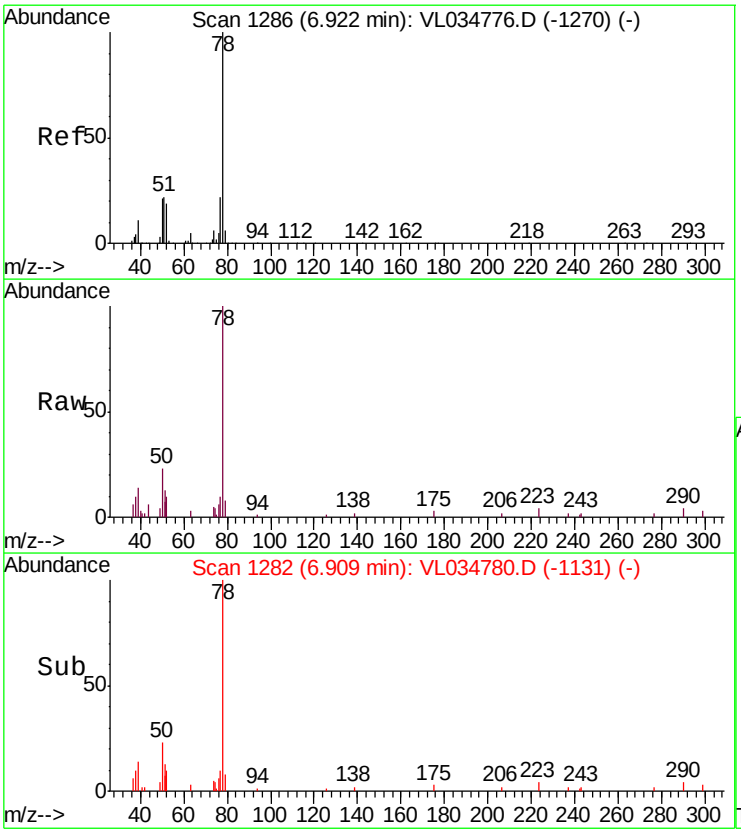

#35
Carbon Tetrachloride
Concen: 0.061 ppbv
RT: 7.04 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:117 Resp: 8829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 78.7 | 76.8 | 115.2 |
| 121 | 26.5 | 24.6 | 37.0 |

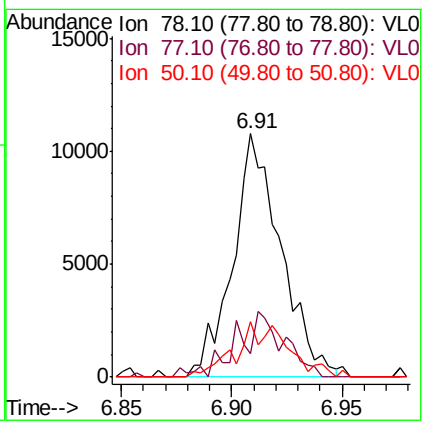


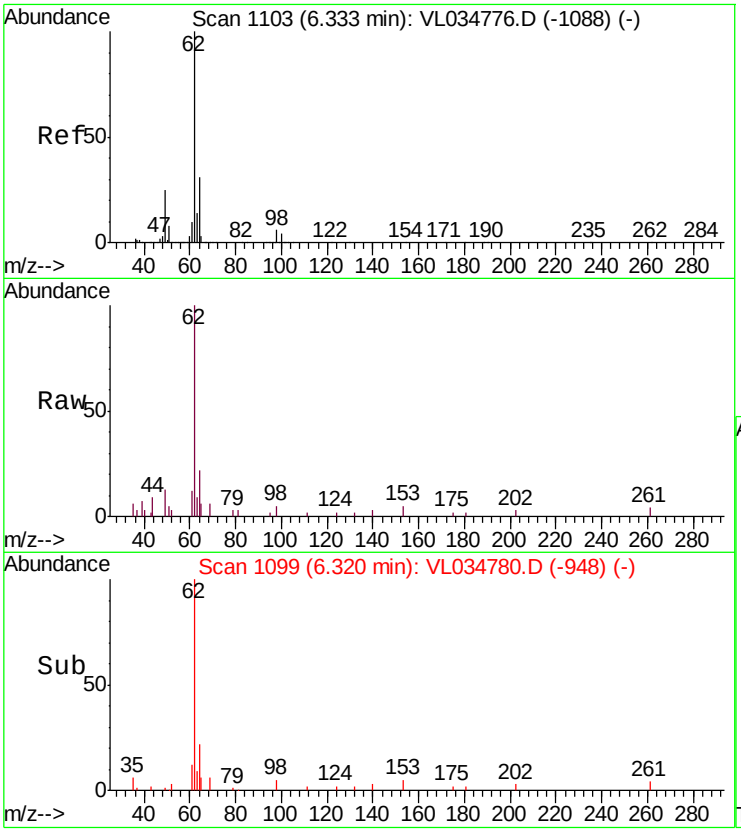




#36
Benzene
Concen: 0.087 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 78 Resp: 16320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 8.9 | 18.0 | 27.0# |
| 50 | 20.9 | 16.9 | 25.3 |



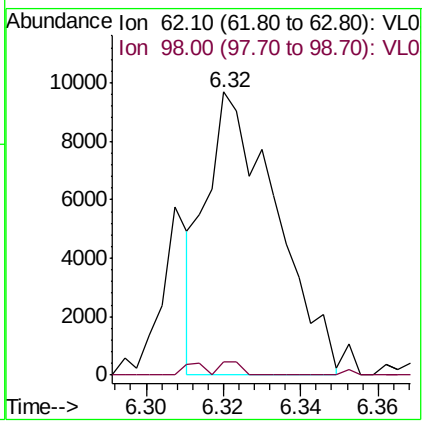


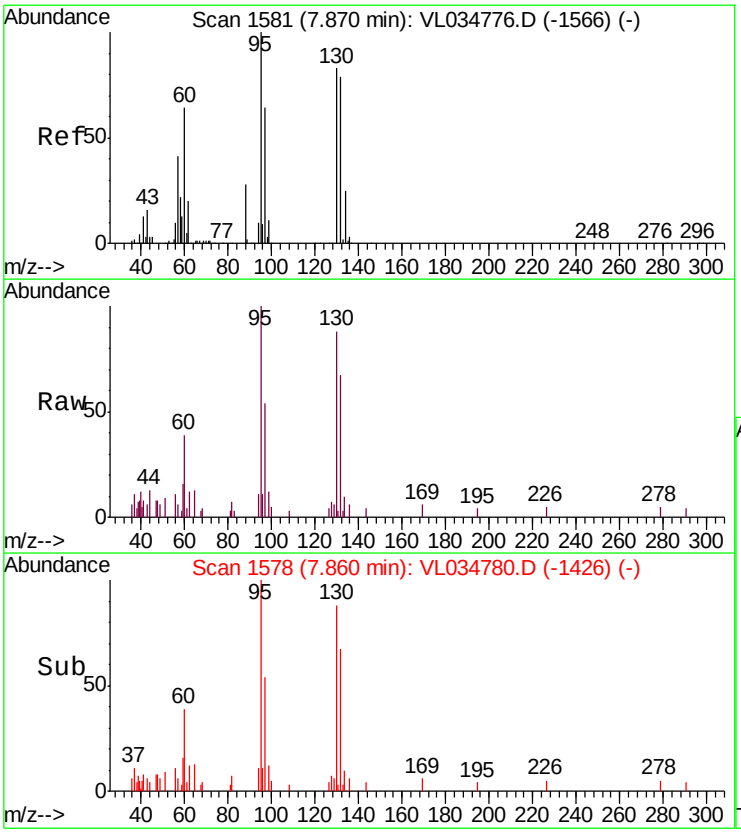

#37
1,2-Dichloroethane
Concen: 0.102 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 62 Resp: 12187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 4.4 | 6.6# |

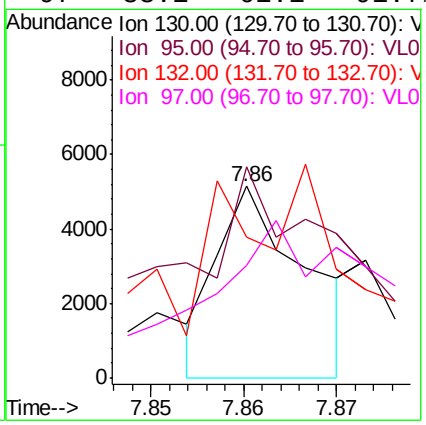


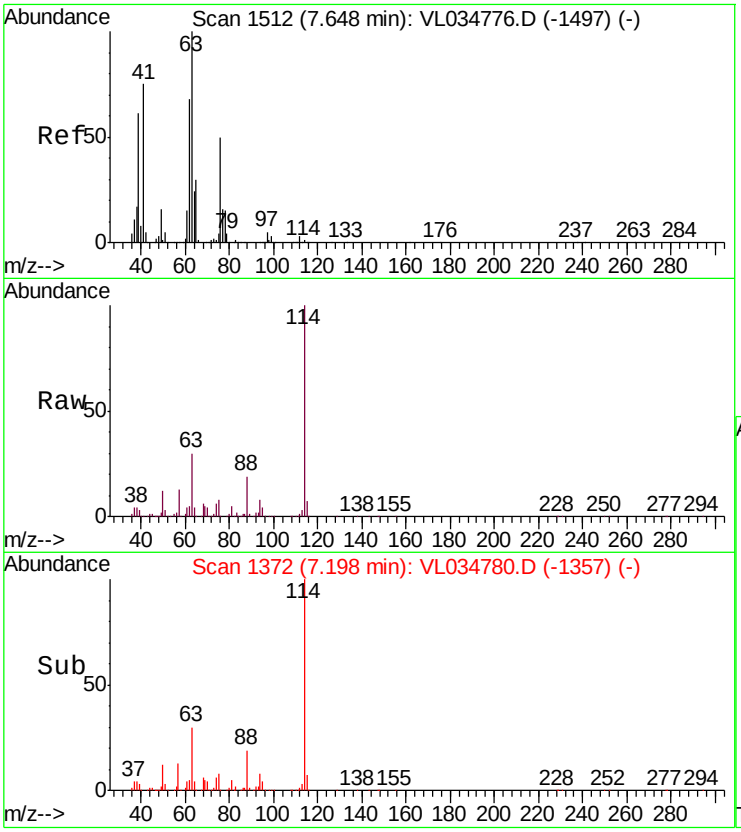




#38
Trichloroethene
Concen: 0.047 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:130 Resp: 3379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 54.9 | 95.8 | 143.8# |
| 132 | 71.8 | 76.1 | 114.1# |
| 97 | 33.1 | 61.1 | 91.7# |



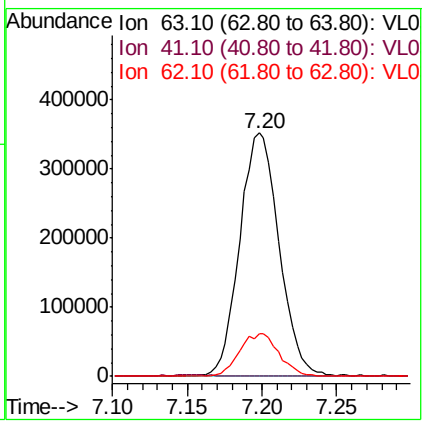


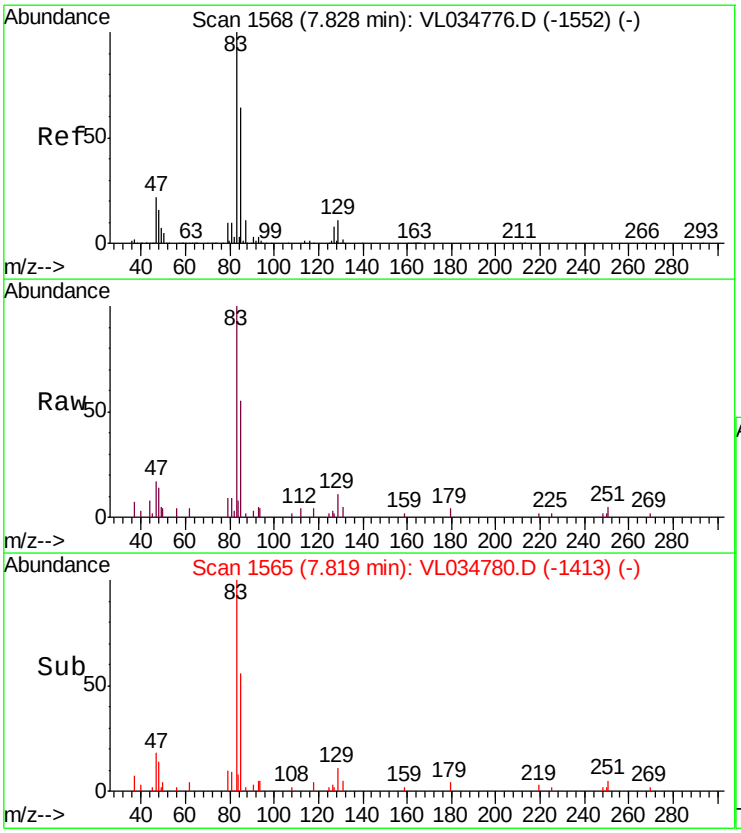

#39
1,2-Dichloropropane
Concen: 8.707 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.45 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 63 Resp: 645921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 41 | 0.1 | 60.3 | 90.5# |
| 62 | 17.4 | 54.5 | 81.7# |

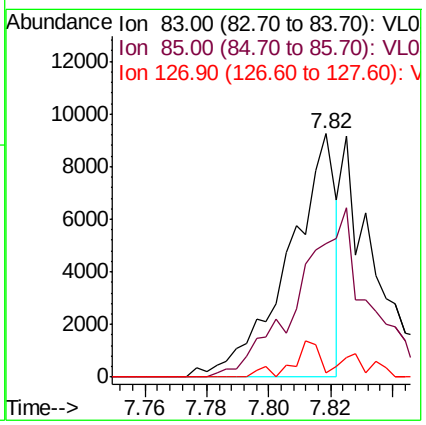


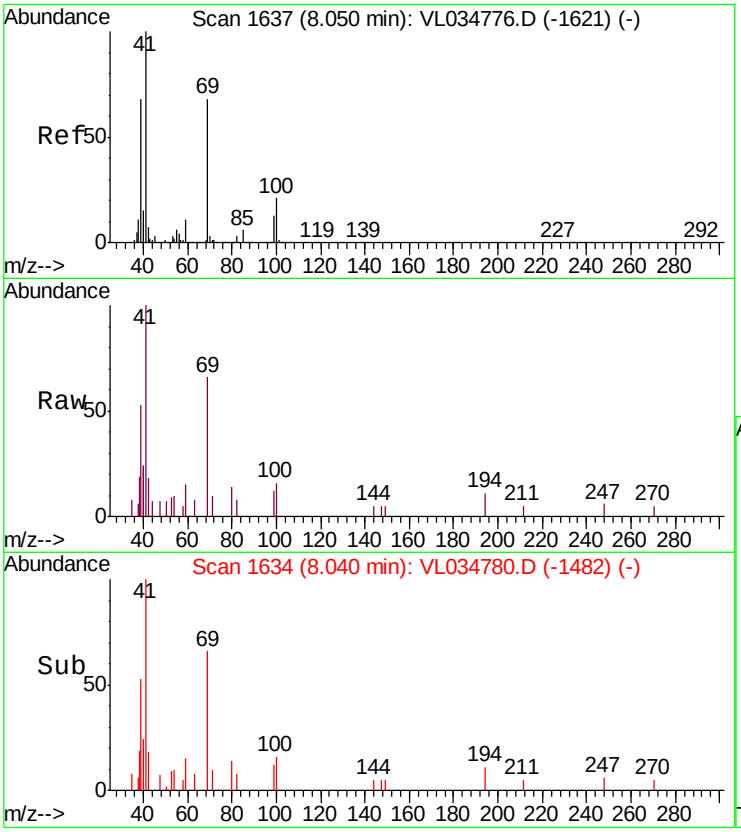




#42
Bromodichloromethane
Concen: 0.063 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 83 Resp: 9793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 54.8 | 50.8 | 76.2 |
| 127 | 1.8 | 6.5 | 9.7# |



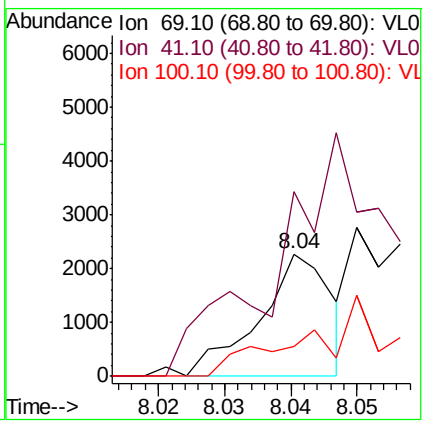


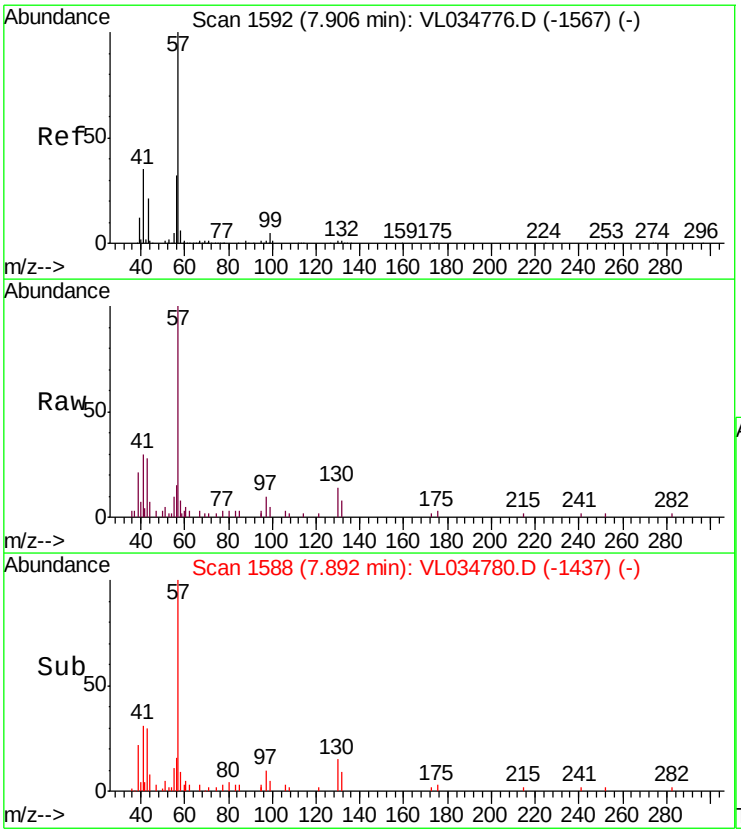

#43
Methyl Methacrylate
Concen: 0.022 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 69 Resp: 1708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 0.0 | 121.6 | 182.4# |
| 100 | 0.0 | 23.8 | 35.8# |

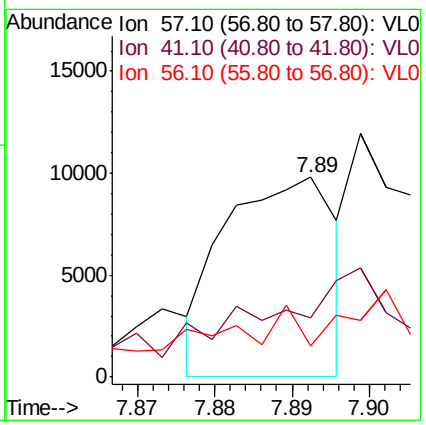


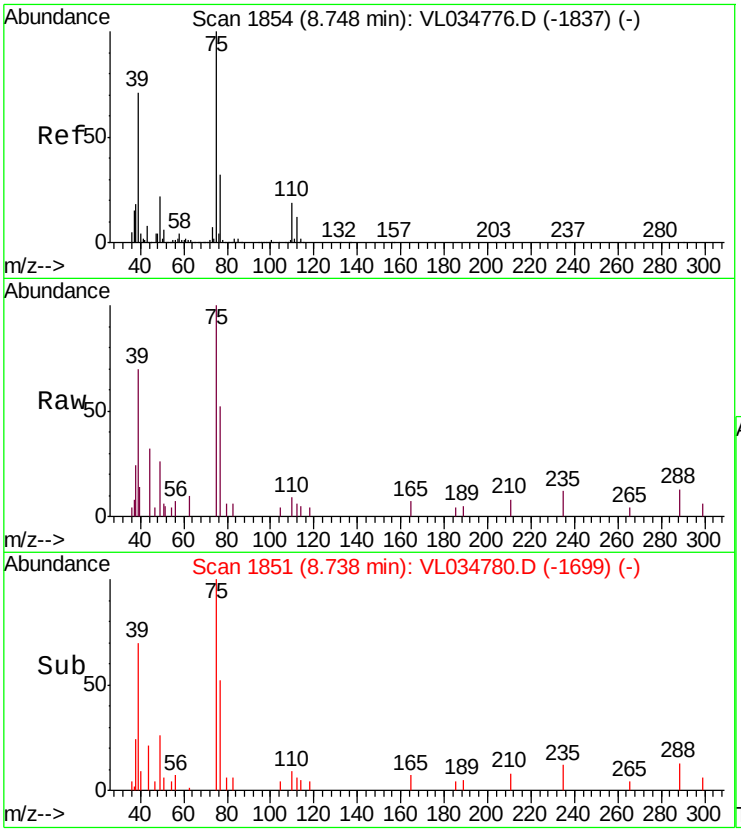




#44
2,2,4-Trimethylpentane
Concen: 0.030 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 57 Resp: 9695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 41 | 0.0 | 27.4 | 41.0# |
| 56 | 0.0 | 25.0 | 37.6# |



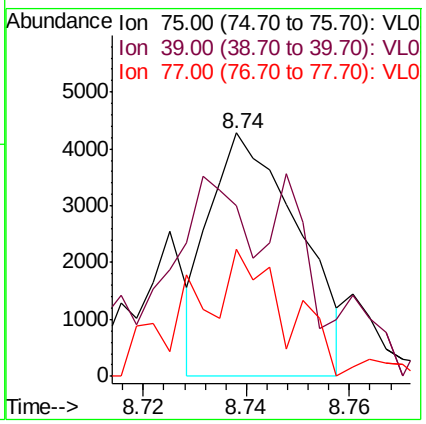


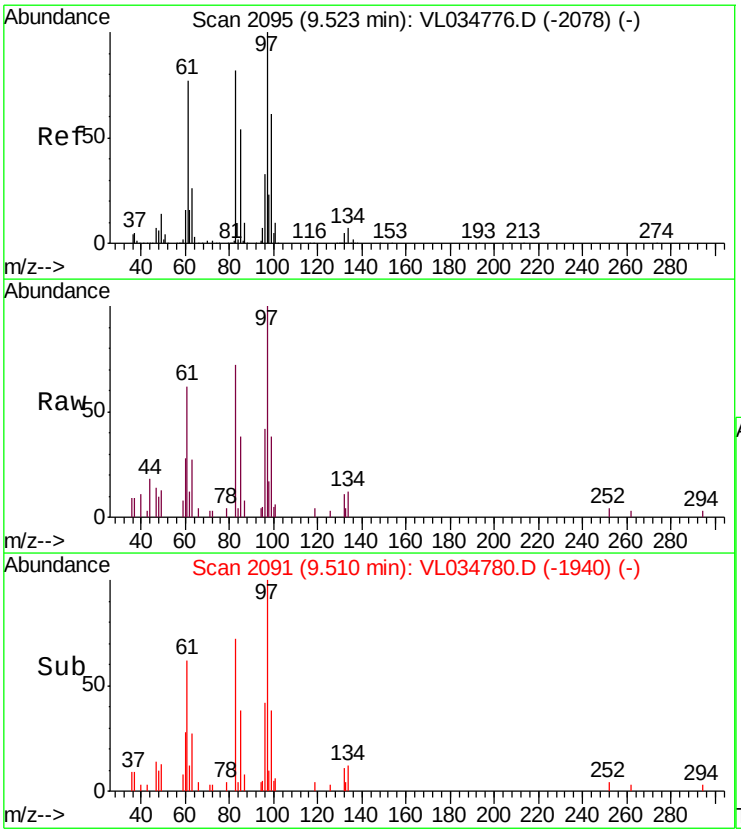

#46
cis-1,3-Dichloropropene
Concen: 0.050 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion: 75 Resp: 5107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 39 | 64.6 | 56.9 | 85.3 |
| 77 | 72.3 | 25.7 | 38.5# |

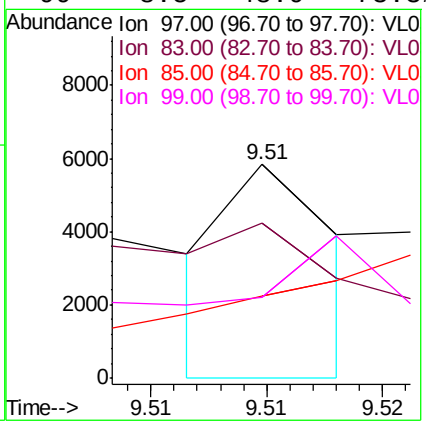


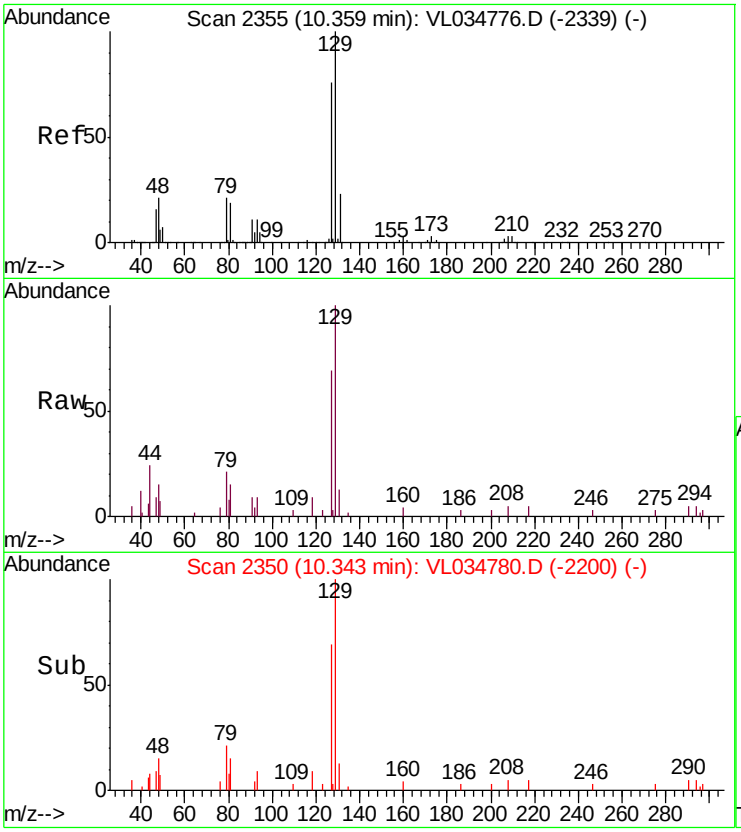




#47
1,1,2-Trichloroethane
Concen: 0.025 ppbv
RT: 9.51 min Scan# 2091
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 97 Resp: 1884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 61.8 | 65.2 | 97.8# |
| 85 | 19.6 | 43.6 | 65.4# |
| 99 | 8.5 | 48.9 | 73.3# |



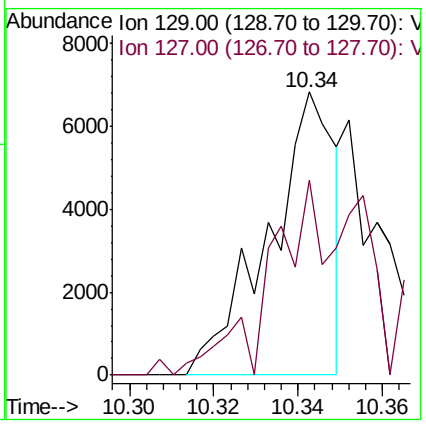


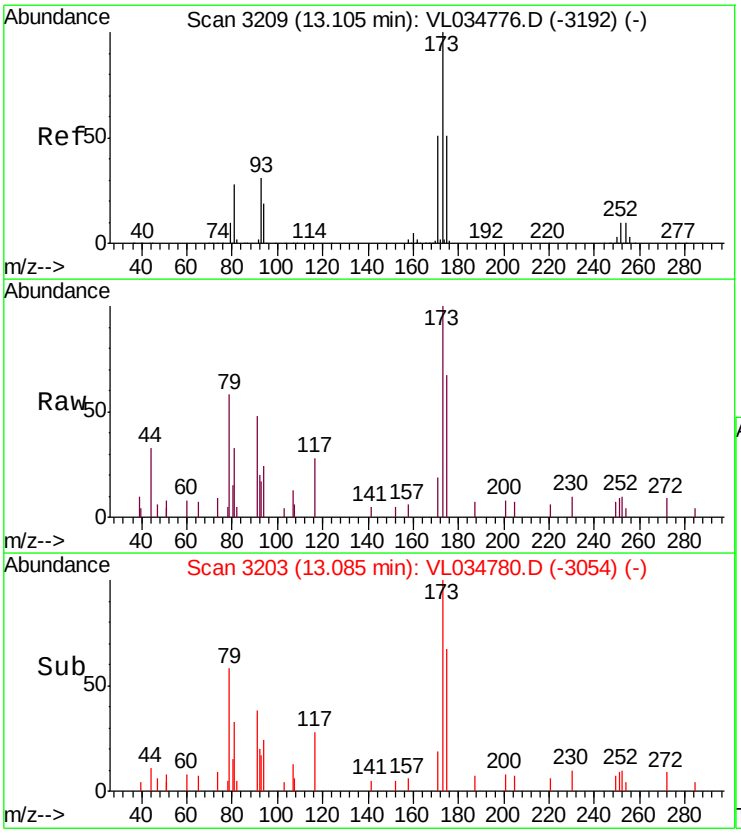

#48
Dibromochloromethane
Concen: 0.062 ppbv
RT: 10.34 min Scan# 2350
Delta R.T. -0.02 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:129 Resp: 7425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 110.3 | 39.0 | 117.0 |

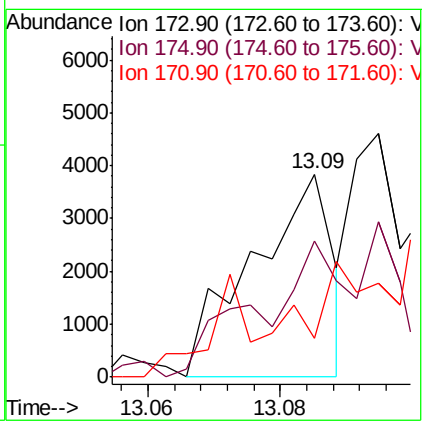


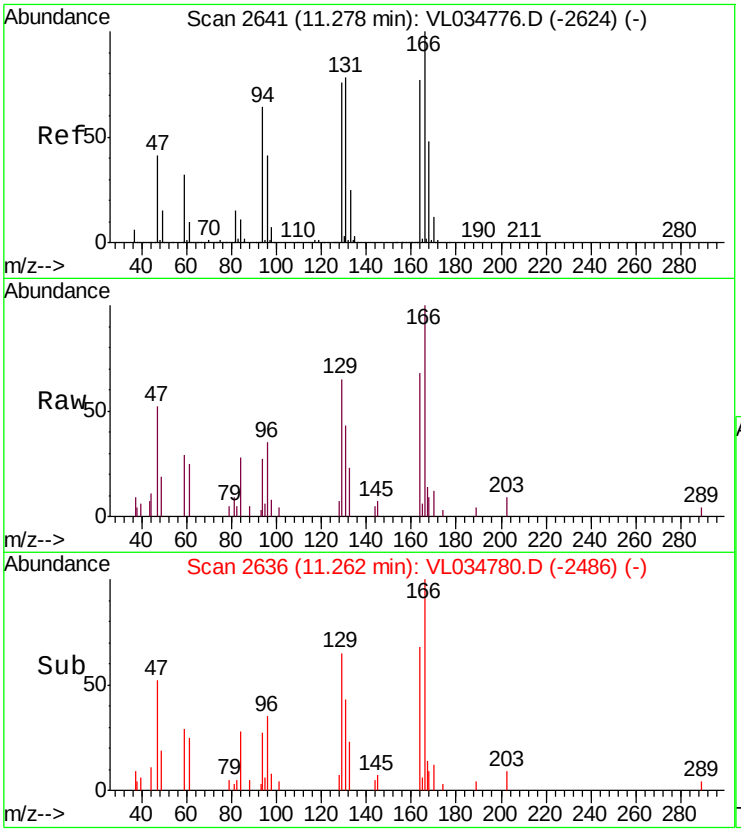




#49
Bromoform
Concen: 0.031 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. -0.02 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:173 Resp: 3218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 39.8 | 59.6# |
| 171 | 0.0 | 41.0 | 61.4# |



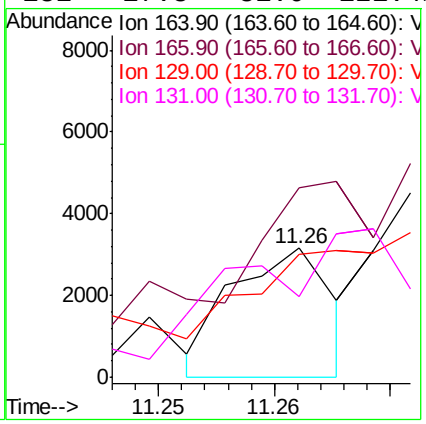


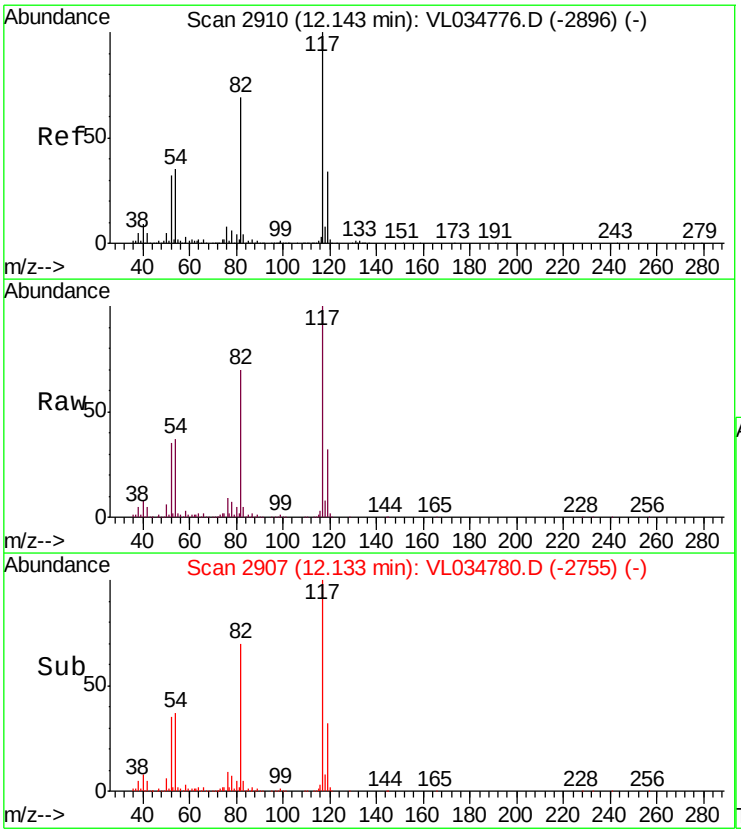

#52
Tetrachloroethene
Concen: 0.027 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. -0.02 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion:164 Resp: 1888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 104.9 | 103.3 | 154.9 |
| 129 | 79.2 | 79.0 | 118.4 |
| 131 | 17.3 | 81.0 | 121.4# |

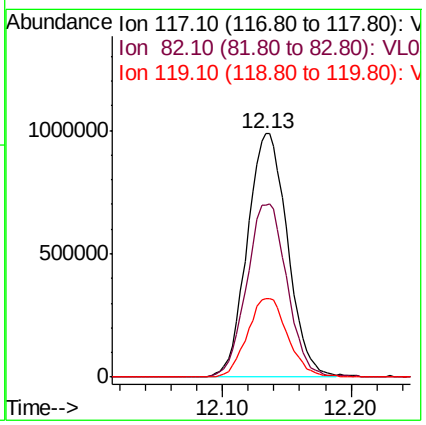


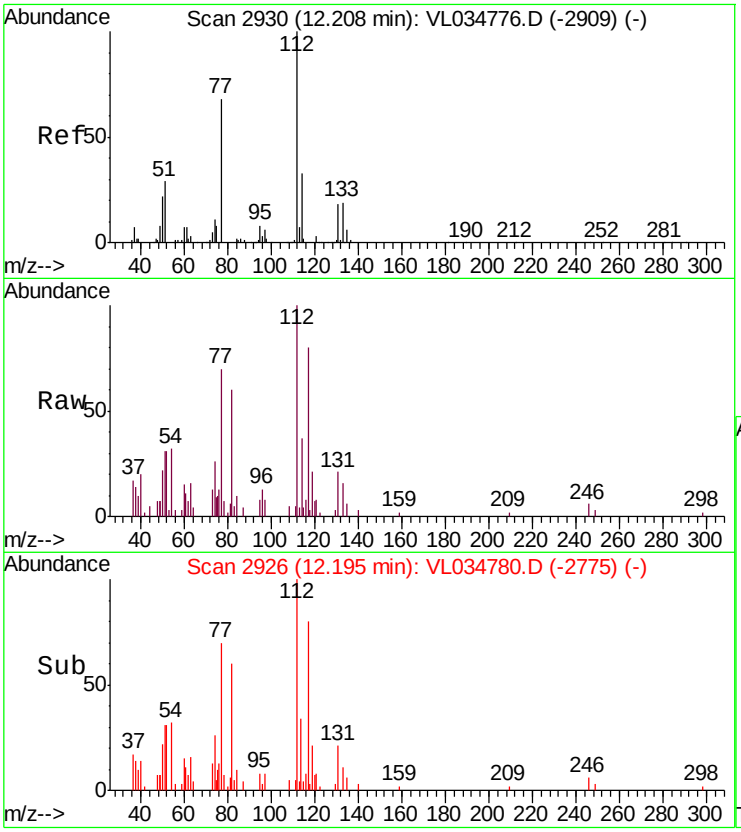




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:117 Resp: 2149254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 71.5 | 53.9 | 80.9 |
| 119 | 32.5 | 25.0 | 37.4 |



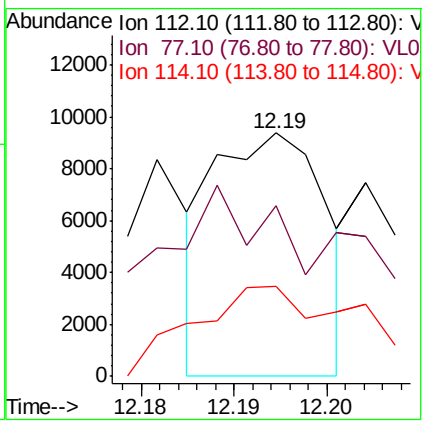


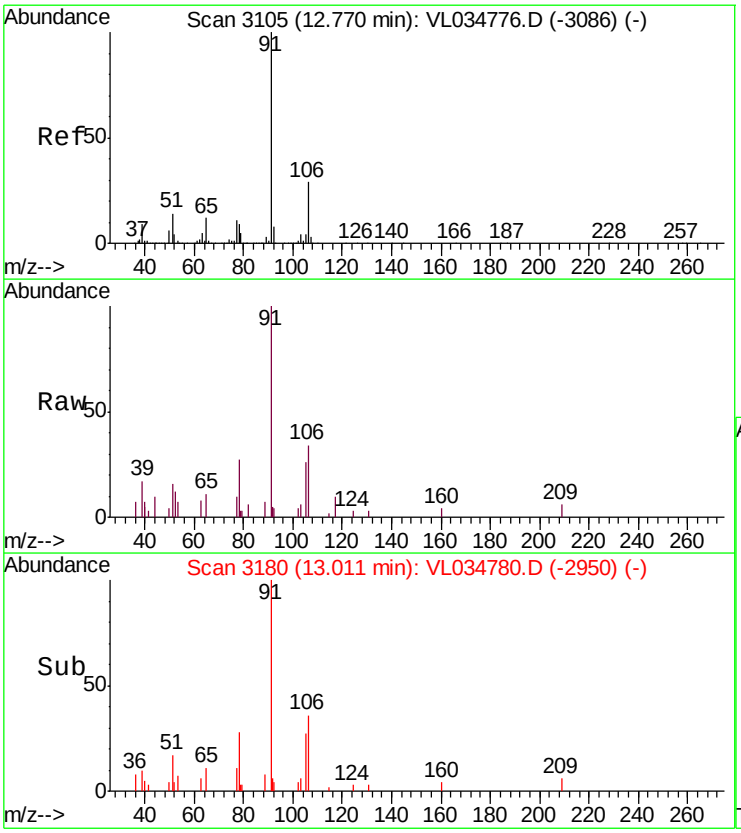

#57
Chlorobenzene
Concen: 0.049 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:112 Resp: 7815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 45.3 | 55.6 | 83.4# |
| 114 | 39.0 | 29.4 | 36.0# |

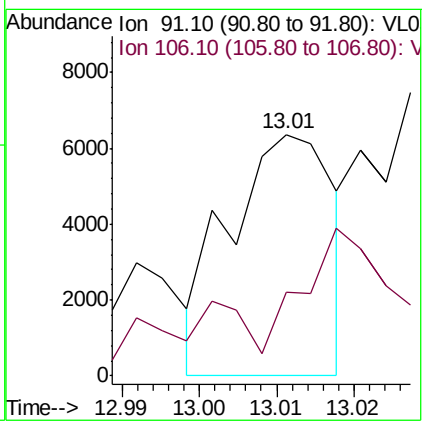


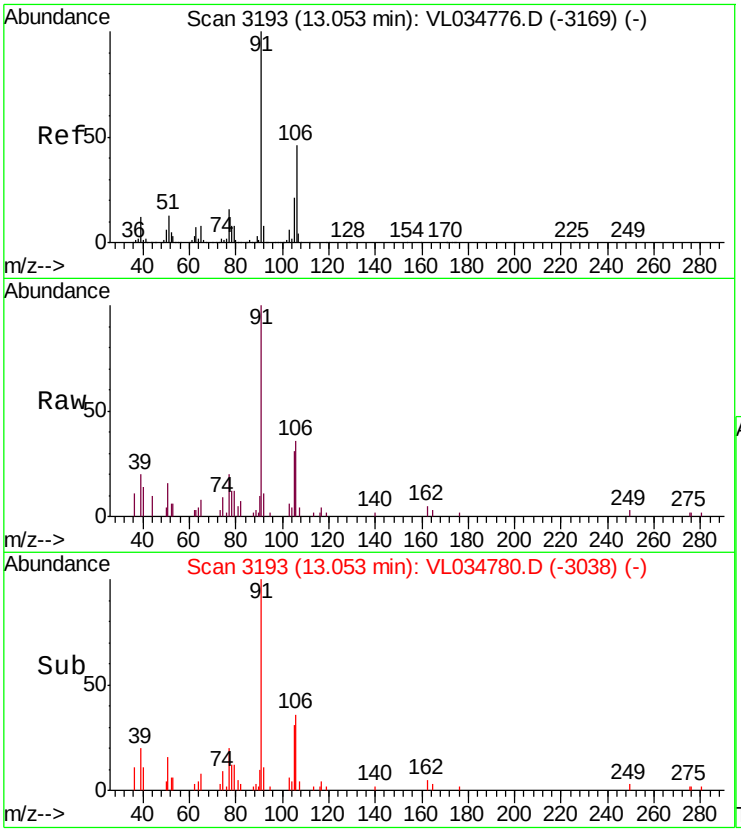




#58
Ethyl Benzene
Concen: 0.023 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.24 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 91 Resp: 5978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.6 | 22.8 | 34.2 |



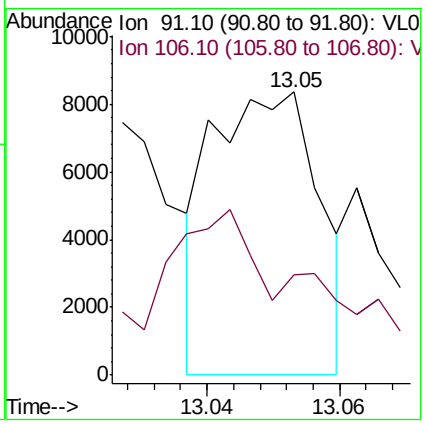


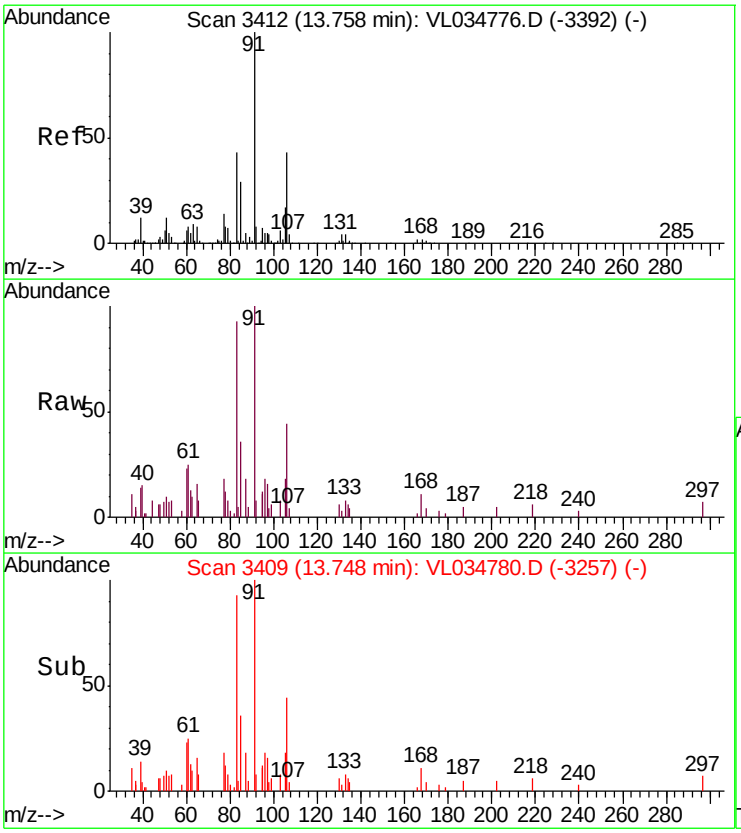

#59
m/p-Xylene
Concen: 0.041 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 91 Resp: 9345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 136.6 | 35.8 | 53.8# |

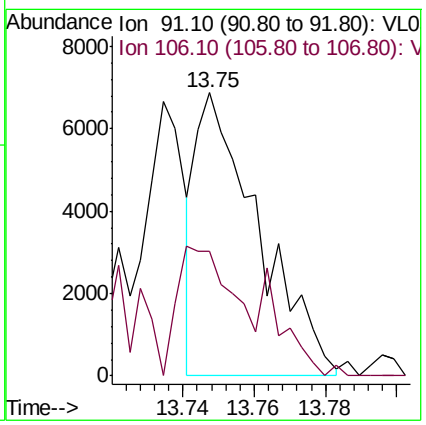


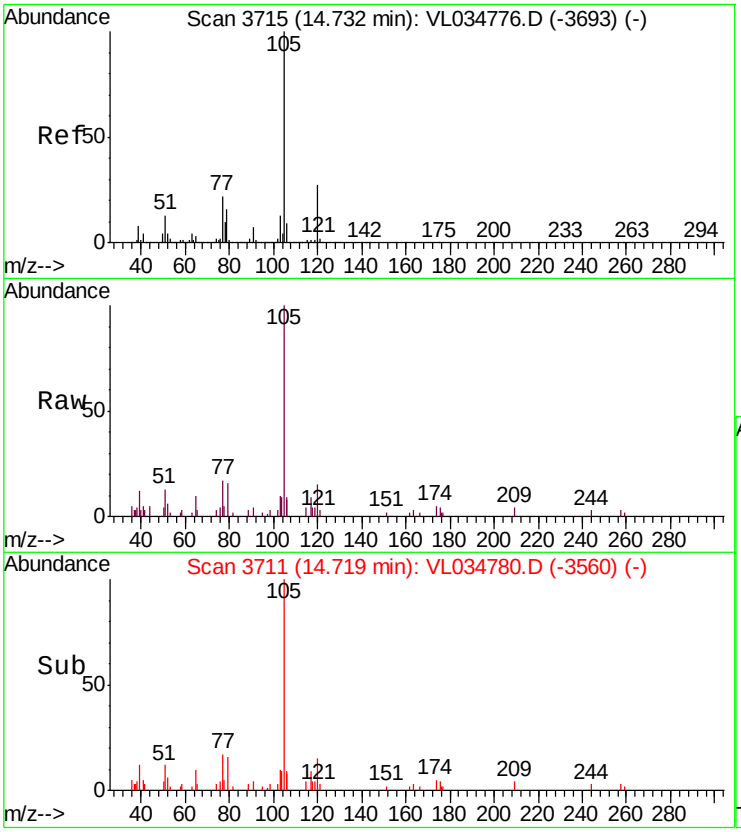




#60
o-Xylene
Concen: 0.037 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 91 Resp: 8341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 79.5 | 21.7 | 65.1# |



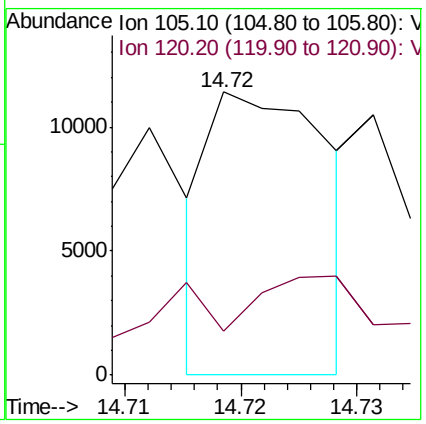


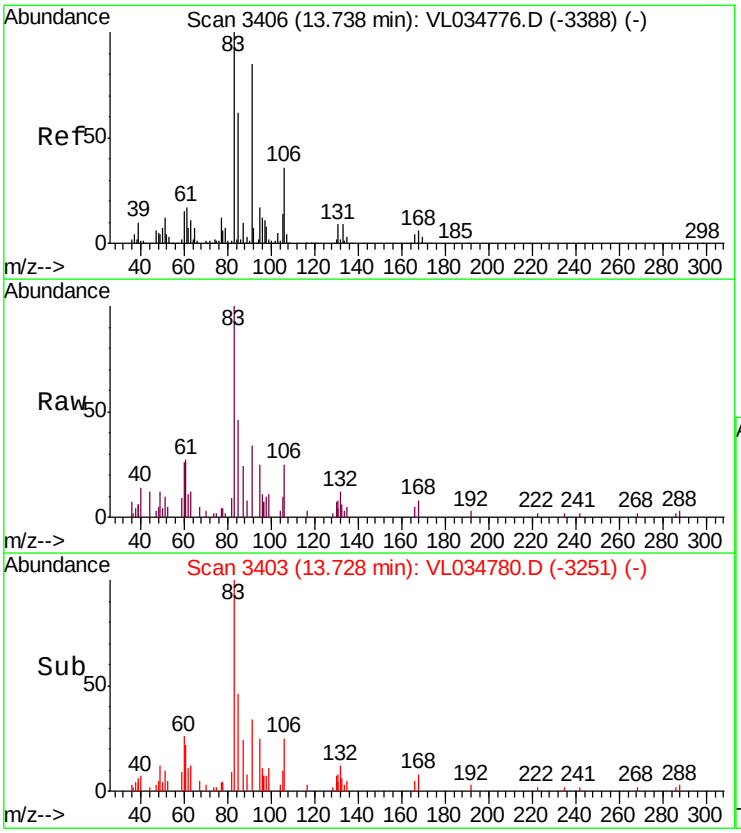

#62
Isopropylbenzene
Concen: 0.025 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :** MSVOA_L
**ClientSampleId :** VSTDICC0.1

Tgt Ion:105 Resp: 8080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 20.5 | 30.7# |

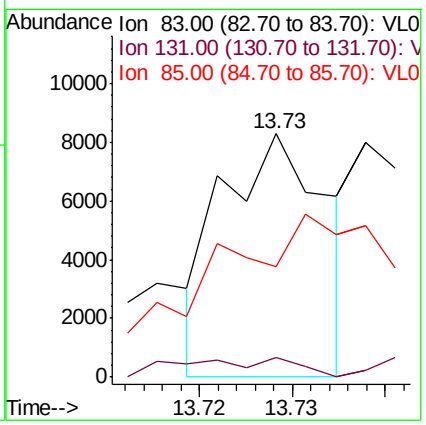


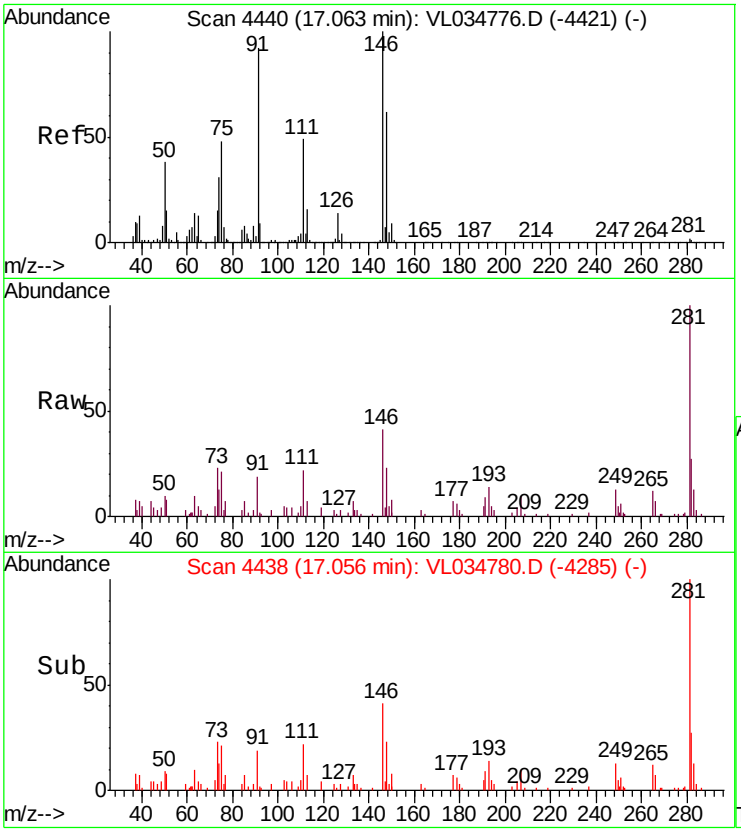




#63
1,1,2,2-Tetrachloroethane
Concen: 0.037 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 83 Resp: 6478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 0.0 | 4.7 | 14.0# |
| 85 | 189.9 | 32.9 | 98.7# |



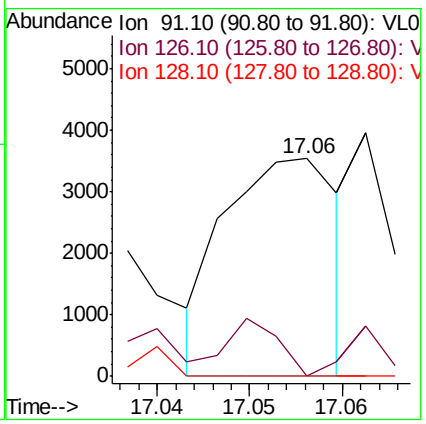


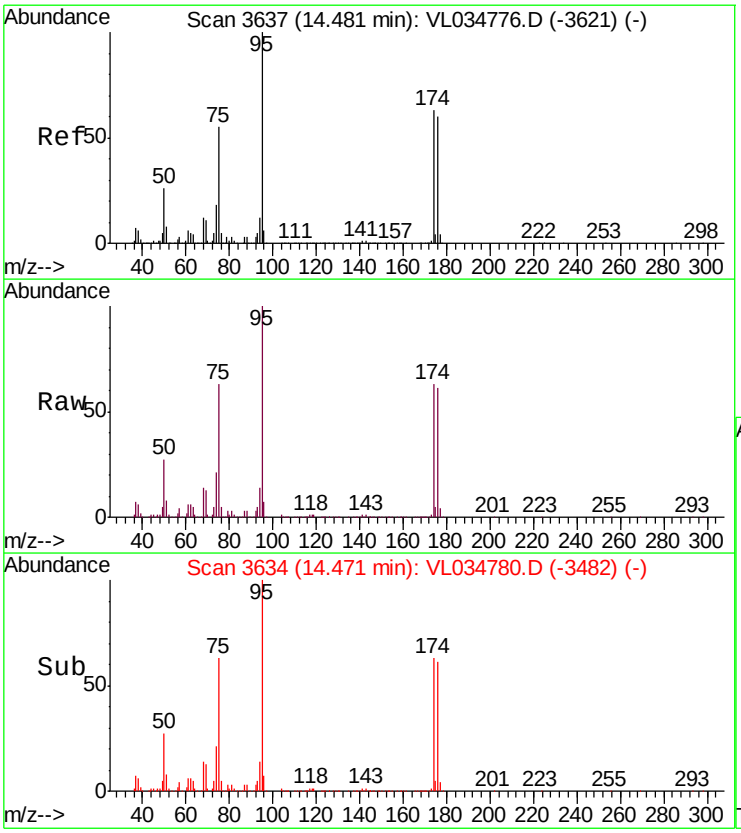

#66
Benzyl Chloride
Concen: 0.029 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion: 91 Resp: 3004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 12.6 | 18.8# |
| 128 | 0.0 | 4.3 | 6.5# |

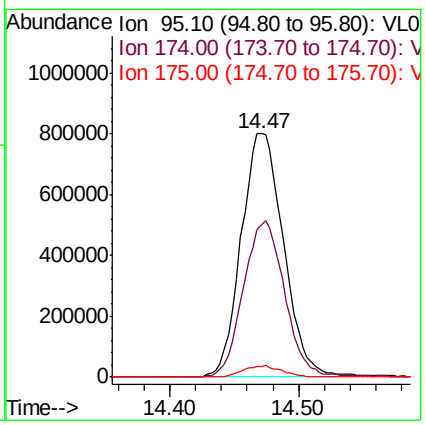


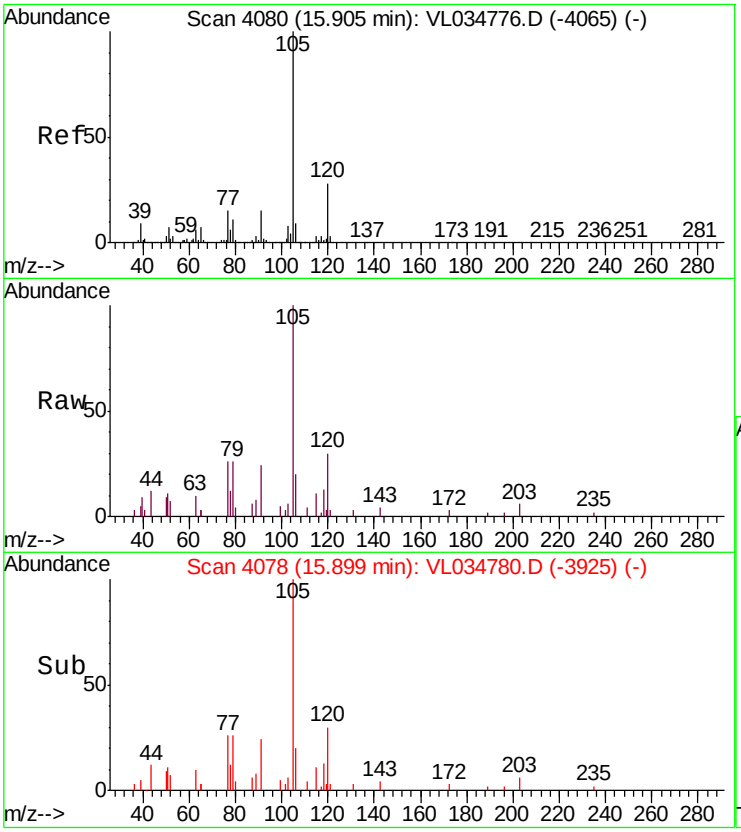




#68
1-Bromo-4-Fluorobenzene
Concen: 10.344 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion: 95 Resp: 1822979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 63.2 | 50.6 | 76.0 |
| 175 | 4.5 | 3.8 | 5.6 |



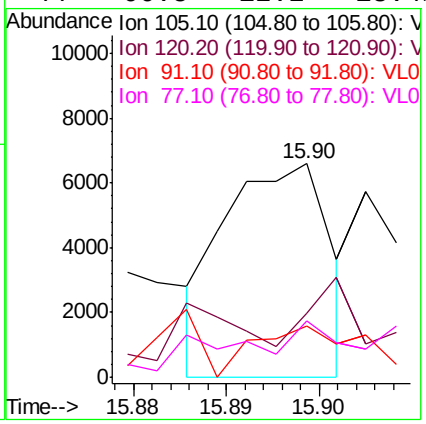


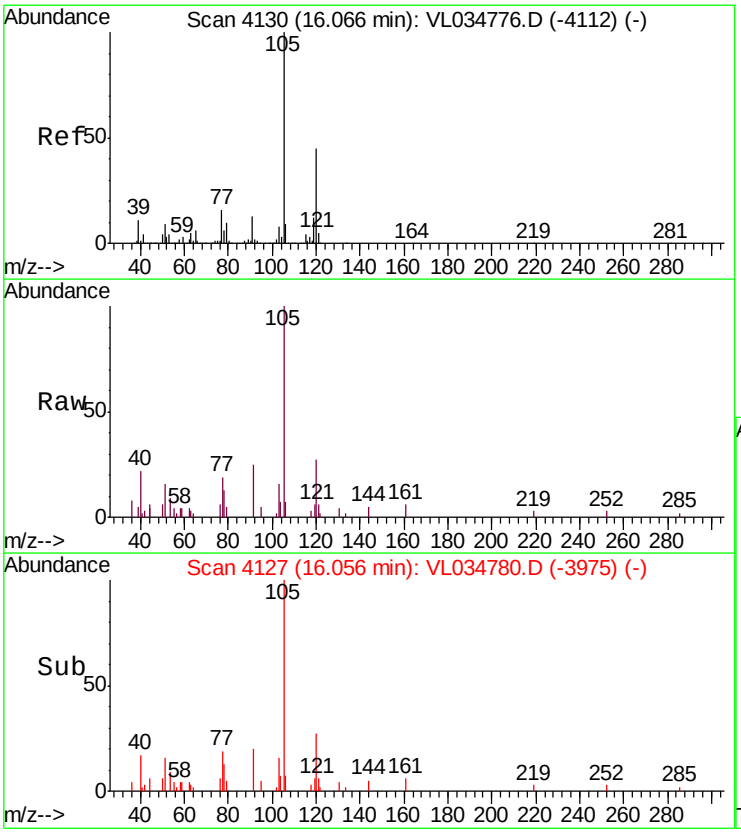

#72
4-Ethyltoluene
Concen: 0.021 ppbv
RT: 15.90 min Scan# 4078
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:105 Resp: 5176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 0.0 | 23.0 | 34.6# |
| 91 | 0.0 | 11.1 | 16.7# |
| 77 | 66.5 | 12.2 | 18.4# |

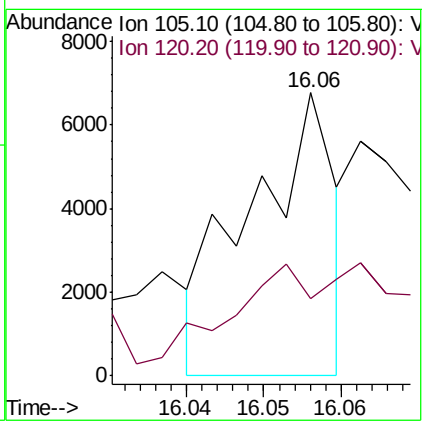


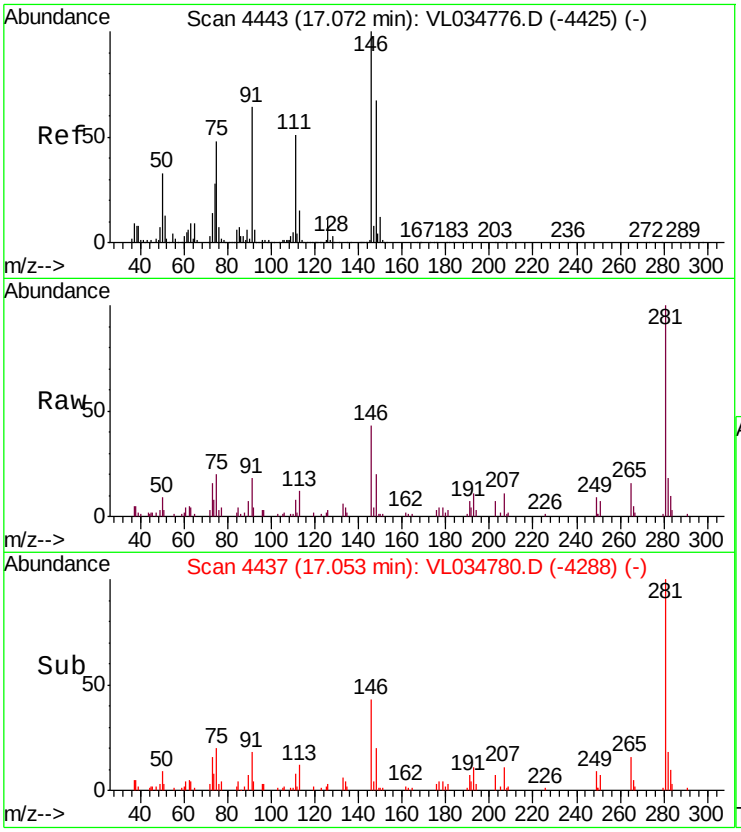




#73
1,3,5-Trimethylbenzene
Concen: 0.021 ppbv
RT: 16.06 min Scan# 4127
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:105 Resp: 5169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 12.4 | 35.6 | 53.4# |



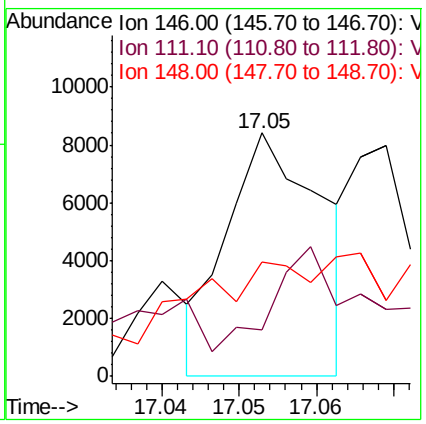


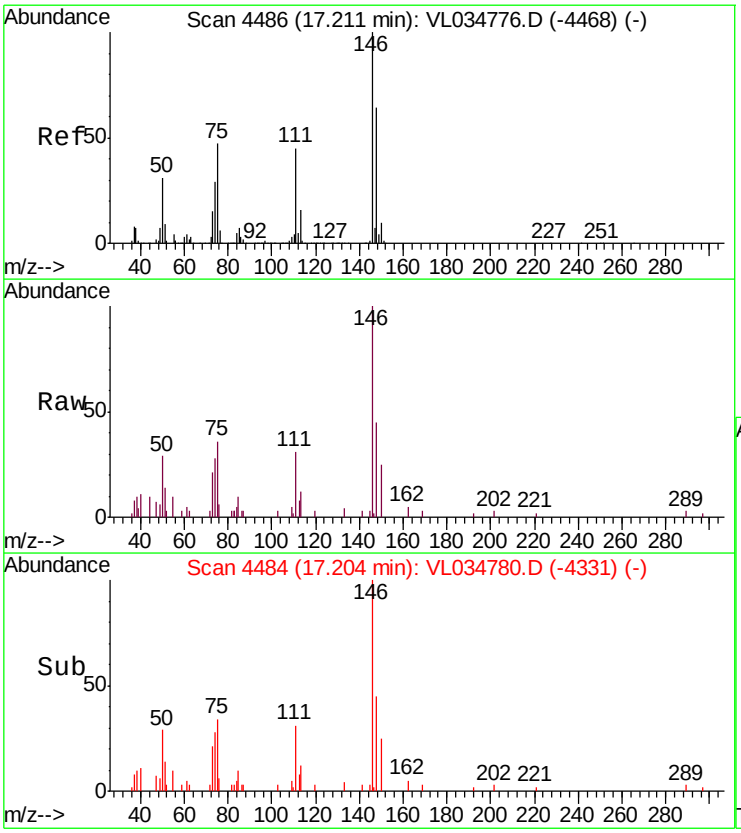

#75
1,3-Dichlorobenzene
Concen: 0.046 ppbv
RT: 17.05 min Scan# 4437
Delta R.T. -0.02 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:146 Resp: 7158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 0.0 | 24.7 | 74.1# |
| 148 | 0.0 | 31.8 | 95.4# |

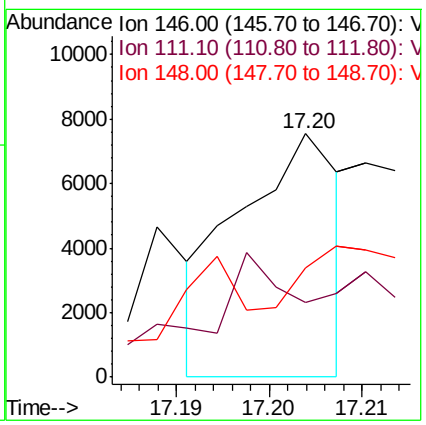


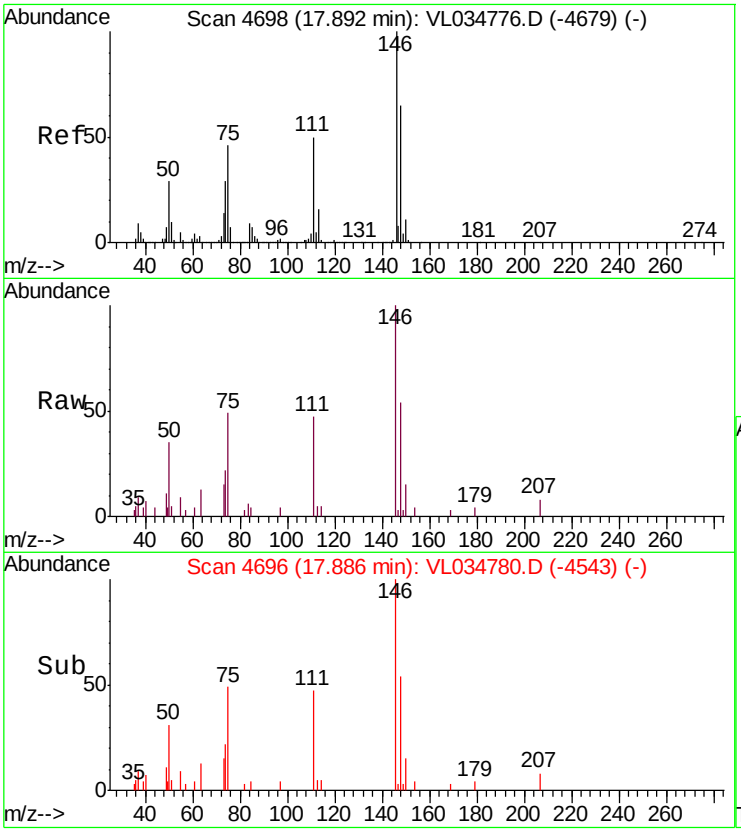




#76
1,4-Dichlorobenzene
Concen: 0.037 ppbv
RT: 17.20 min Scan# 4484
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:146 Resp: 5734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 133.3 | 23.5 | 70.5# |
| 148 | 0.0 | 32.2 | 96.6# |



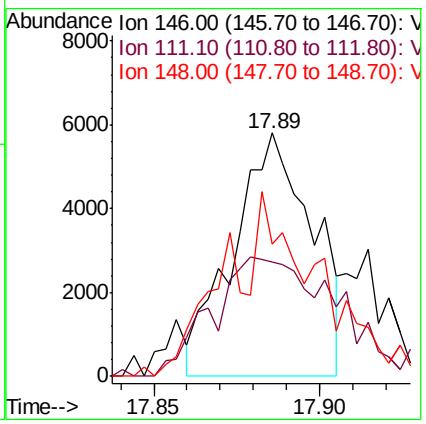


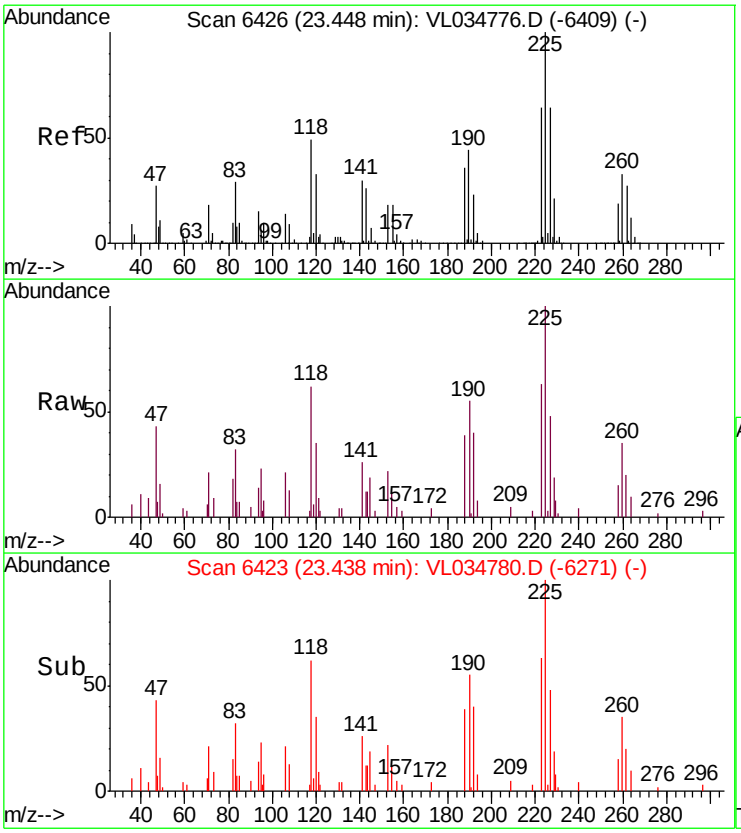

#77
1,2-Dichlorobenzene
Concen: 0.065 ppbv
RT: 17.89 min Scan# 4696
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:146 Resp: 9668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 79.1 | 25.3 | 75.8# |
| 148 | 92.5 | 32.3 | 96.9 |

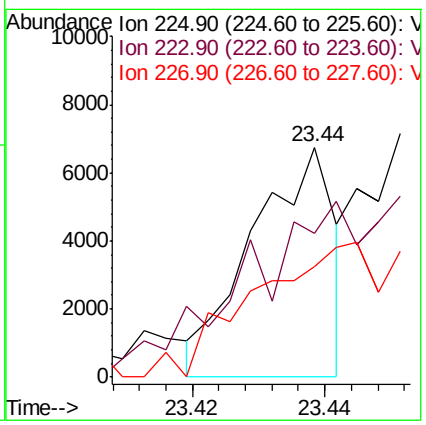


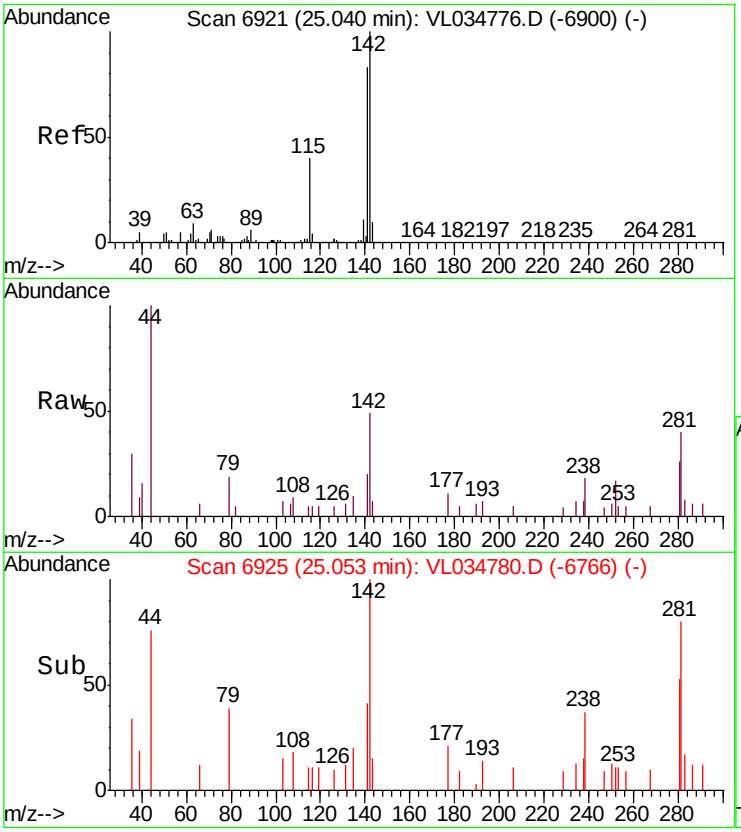




#78
Hexachloro-1,3-Butadiene
Concen: 0.045 ppbv
RT: 23.44 min Scan# 6423
Delta R.T. -0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

Tgt Ion:225 Resp: 5806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 51.3 | 76.9# |
| 227 | 0.0 | 51.9 | 77.9# |






#80
Naphthalene,2-methyl-
Concen: 0.033 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. 0.01 min
Lab File: VL034780.D
Acq: 4 Mar 2020 3:57

**Instrument :**
MSVOA_L
**ClientSampleId :**
VSTDICC0.1

Tgt Ion:142 Resp: 2378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 111.6 | 67.7 | 101.5# |
| 115 | 21.3 | 30.7 | 46.1# |