Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053039.D
Acq On : 20 Dec 2018 4:37
Operator : MD\SY
Sample : J6411-07MS
Misc : 5.39g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 46 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :**

Quant Time: Dec 20 05:31:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 943742 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 1491062 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 1332611 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 628656 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 575153 | 60.05 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 120.10% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 443922 | 65.18 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 130.36% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 1923956 | 52.62 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.24% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 915735 | 71.34 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 142.68% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.85 | 85 | 415019 | 43.451 | ug/l | 100 |
| 3) Chloromethane | 2.06 | 50 | 600443 | 51.877 | ug/l | 100 |
| 4) Vinyl Chloride | 2.19 | 62 | 564073 | 48.121 | ug/l | 99 |
| 5) Bromomethane | 2.56 | 94 | 385728 | 47.495 | ug/l | 99 |
| 6) Chloroethane | 2.71 | 64 | 342113 | 49.279 | ug/l | 98 |
| 7) Trichlorofluoromethane | 3.02 | 101 | 658304 | 45.081 | ug/l | 100 |
| 8) Diethyl Ether | 3.41 | 74 | 320685 | 58.212 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 413762 | 44.440 | ug/l | 97 |
| 10) Methyl Iodide | 3.96 | 142 | 701206 | 53.629 | ug/l | 99 |
| 11) Tert butyl alcohol | 4.78 | 59 | 164441 | 281.402 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 3.74 | 96 | 422074 | 46.923 | ug/l | 98 |
| 13) Acrolein | 3.61 | 56 | 177516 | 335.021 | ug/l | 100 |
| 14) Allyl chloride | 4.33 | 41 | 694233 | 49.826 | ug/l | 98 |
| 15) Acrylonitrile | 4.99 | 53 | 936715 | 288.537 | ug/l | 100 |
| 16) Acetone | 3.82 | 43 | 580157 | 308.958 | ug/l | 96 |
| 17) Carbon Disulfide | 4.06 | 76 | 1153381 | 39.317 | ug/l | 99 |
| 18) Methyl Acetate | 4.32 | 43 | 484615 | 56.725 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.05 | 73 | 1401857 | 58.237 | ug/l | 99 |
| 20) Methylene Chloride | 4.55 | 84 | 552859 | 53.974 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.05 | 96 | 466186 | 48.237 | ug/l | 97 |
| 22) Diisopropyl ether | 5.95 | 45 | 1708104 | 57.434 | ug/l | 98 |
| 23) Vinyl Acetate | 5.90 | 43 | 4934429 | 288.535 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 5.85 | 63 | 929779 | 52.611 | ug/l | 99 |
| 25) 2-Butanone | 6.83 | 43 | 972953 | 308.738 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 6.82 | 77 | 509692 | 37.781 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 6.83 | 96 | 569109 | 52.015 | ug/l | 97 |
| 28) Bromochloromethane | 7.19 | 49 | 436165 | 56.956 | ug/l | 95 |
| 29) Tetrahydrofuran | 7.21 | 42 | 684788 | 290.944 | ug/l | 98 |
| 30) Chloroform | 7.37 | 83 | 906249 | 52.201 | ug/l | 100 |
| 31) Cyclohexane | 7.65 | 56 | 754755 | 45.441 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 7.57 | 97 | 698950 | 47.261 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 7.80 | 75 | 633964 | 44.297 | ug/l | 100 |
| 37) Ethyl Acetate | 6.93 | 43 | 452817 | 56.677 | ug/l | 98 |
| 38) Carbon Tetrachloride | 7.77 | 117 | 573362 | 43.708 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
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Acq On : 20 Dec 2018 4:37
Operator : MD\SY
Sample : J6411-07MS
Misc : 5.39g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 46 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :**

Quant Time: Dec 20 05:31:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 9.08 | 83 | 815609 | 46.913 | ug/l | | 98 |
| 40) Benzene | 8.04 | 78 | 2094554 | 49.203 | ug/l | | 99 |
| 41) Methacrylonitrile | 7.18 | 41 | 278185 | 60.262 | ug/l | | 92 |
| 42) 1,2-Dichloroethane | 8.12 | 62 | 661963 | 52.638 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.16 | 43 | 862161 | 55.887 | ug/l | | 99 |
| 44) Trichloroethene | 8.84 | 130 | 566200 | 45.985 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 9.12 | 63 | 579879 | 52.297 | ug/l | | 99 |
| 46) Dibromomethane | 9.21 | 93 | 337948 | 52.319 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.40 | 83 | 696248 | 50.708 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.20 | 41 | 423396 | 54.613 | ug/l | | 98 |
| 49) 1,4-Dioxane | 9.20 | 88 | 100692 | 1026.751 | ug/l | # | 93 |
| 51) 4-Methyl-2-Pentanone | 9.99 | 43 | 2242536 | 289.840 | ug/l | | 98 |
| 52) Toluene | 10.16 | 92 | 1256079 | 47.604 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.38 | 75 | 696664 | 48.252 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 9.84 | 75 | 812140 | 49.005 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.56 | 97 | 641019 | 69.637 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.43 | 69 | 813919 | 66.803 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 10.71 | 76 | 853275 | 54.055 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 9.70 | 63 | 1891081 | 282.717 | ug/l | | 98 |
| 59) 2-Hexanone | 10.75 | 43 | 1416455 | 270.583 | ug/l | | 91 |
| 60) Dibromochloromethane | 10.90 | 129 | 534438 | 50.720 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.01 | 107 | 497946 | 53.263 | ug/l | | 99 |
| 64) Tetrachloroethene | 10.63 | 164 | 664983 | 46.067 | ug/l | | 100 |
| 65) Chlorobenzene | 11.43 | 112 | 1408615 | 47.685 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.51 | 131 | 507163 | 49.371 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.51 | 91 | 2371472 | 46.681 | ug/l | | 100 |
| 68) m/p-Xylenes | 11.62 | 106 | 1779376 | 92.136 | ug/l | | 100 |
| 69) o-Xylene | 11.95 | 106 | 863510 | 46.596 | ug/l | | 96 |
| 70) Styrene | 11.96 | 104 | 1437753 | 47.579 | ug/l | | 99 |
| 71) Bromoform | 12.13 | 173 | 352916 | 47.556 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.25 | 105 | 4247697 | 86.358 | ug/l | | 99 |
| 74) N-amyl acetate | 12.05 | 43 | 4300336 | 314.903 | ug/l | # | 56 |
| 75) 1,1,2,2-Tetrachloroethane | 12.51 | 83 | 917979 | 95.130 | ug/l | | 86 |
| 76) 1,2,3-Trichloropropane | 12.55 | 75 | 704538 | 66.574 | ug/l | # | 100 |
| 77) Bromobenzene | 12.53 | 156 | 582427 | 45.553 | ug/l | | 94 |
| 78) n-propylbenzene | 12.59 | 91 | 4181593 | 74.645 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 12.68 | 91 | 1565591 | 45.087 | ug/l | | 95 |
| 80) 1,3,5-Trimethylbenzene | 12.73 | 105 | 1668710 | 41.623 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75 | 143301 | 43.644 | ug/l | # | 62 |
| 82) 4-Chlorotoluene | 12.77 | 91 | 1436990 | 42.276 | ug/l | | 91 |
| 83) tert-Butylbenzene | 12.99 | 119 | 1828889 | 51.580 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105 | 6546568 | 162.433 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.17 | 105 | 5032985 | 104.943 | ug/l | | 84 |
| 86) p-Isopropyltoluene | 13.29 | 119 | 2372148 | 57.242 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.28 | 146 | 887978 | 39.240 | ug/l | # | 68 |
| 88) 1,4-Dichlorobenzene | 13.36 | 146 | 882941 | 38.529 | ug/l | # | 72 |
| 89) n-Butylbenzene | 13.62 | 91 | 3406826 | 95.557 | ug/l | # | 87 |
| 90) Hexachloroethane | 13.89 | 117 | 616442 | 96.933 | ug/l | # | 39 |
| 91) 1,2-Dichlorobenzene | 13.65 | 146 | 854541 | 40.124 | ug/l | # | 64 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75 | 93290 | 55.913 | ug/l | | 78 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
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Acq On : 20 Dec 2018 4:37
Operator : MD\SY
Sample : J6411-07MS
Misc : 5.39g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 46 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :**

Quant Time: Dec 20 05:31:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180 | 534203 | 47.375 | ug/l | # | 87 |
| 94) Hexachlorobutadiene | 15.01 | 225 | 387656 | 67.350 | ug/l | | 99 |
| 95) Naphthalene | 15.13 | 128 | 1198806 | 48.535 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180 | 489058 | 48.150 | ug/l | | 95 |

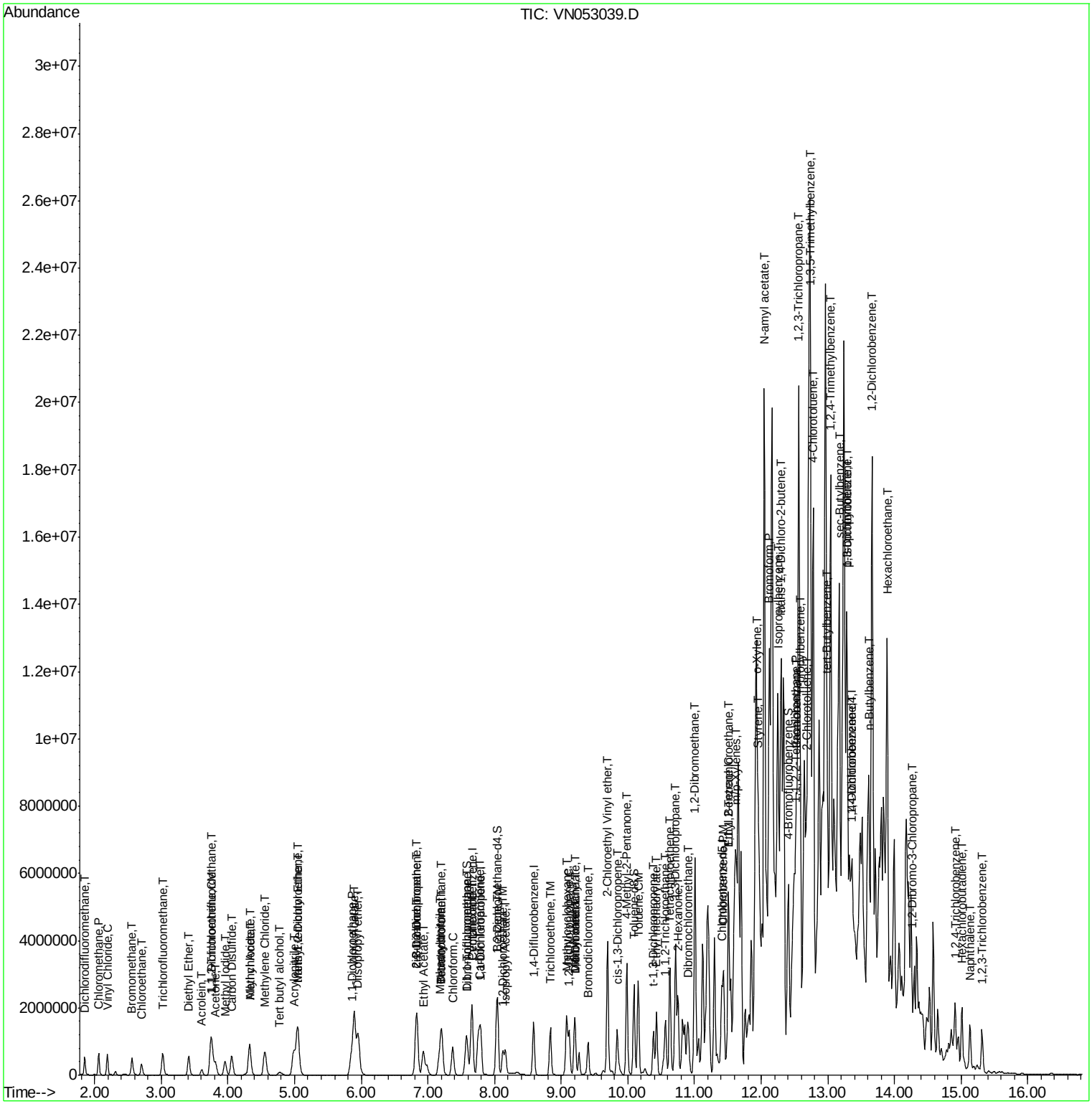
(#) = qualifier out of range (m) = manual integration (+) = signals summed

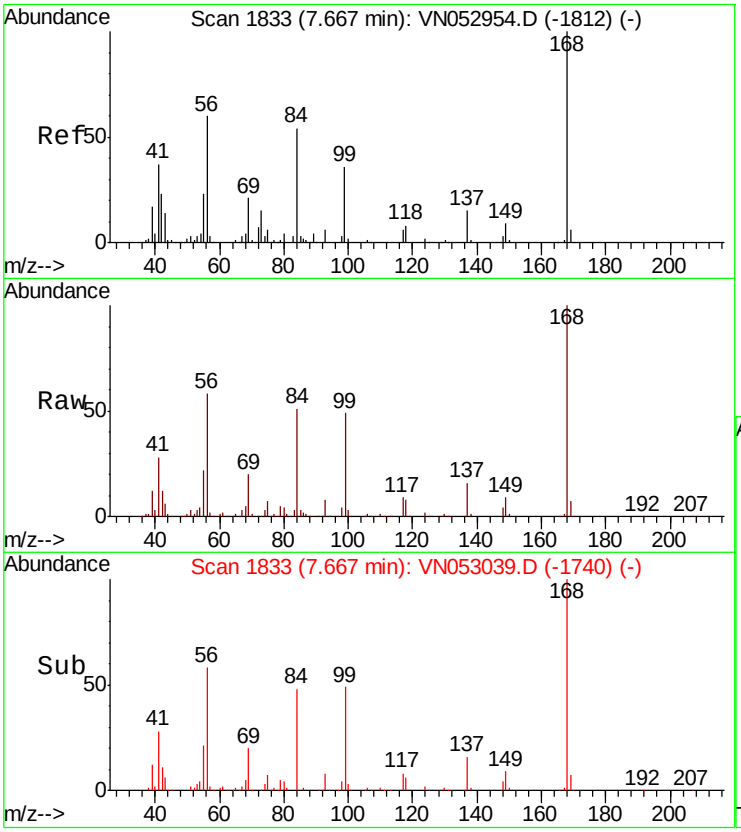
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121918\
Data File : VN053039.D
Acq On : 20 Dec 2018 4:37
Operator : MD\SY
Sample : J6411-07MS
Misc : 5.39g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 46 Sample Multiplier: 28

**Instrument :**
MSVOA_N
**ClientSampleId :**

Quant Time: Dec 20 05:31:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration



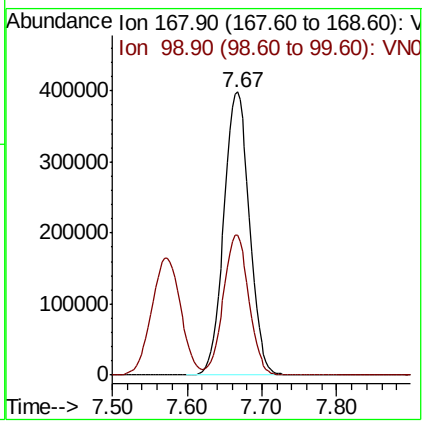


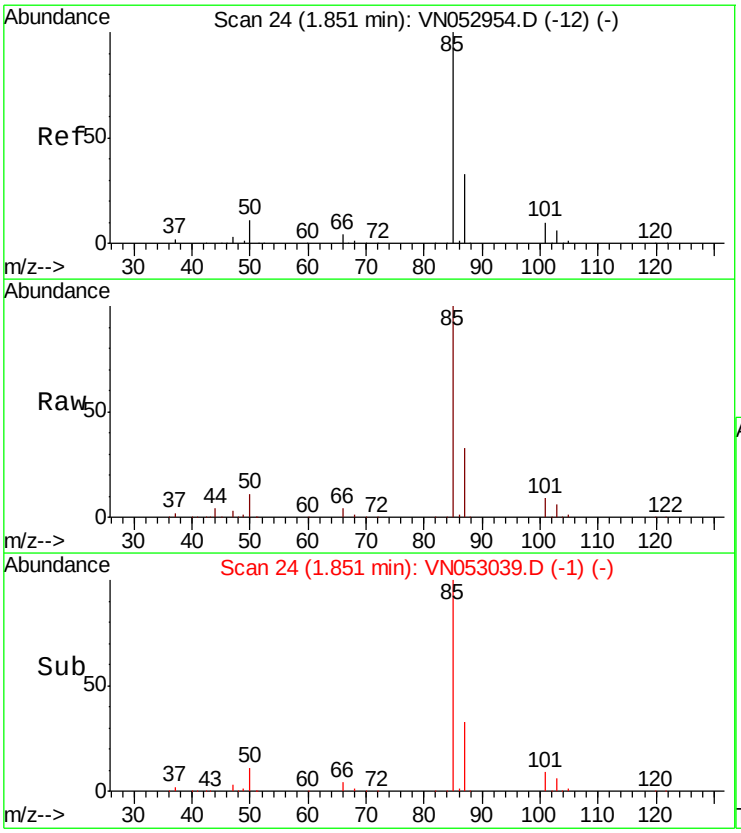

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:168 Resp: 943742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.2 | 40.2 | 60.2 |

**Instrument :**
MSVOA_N
**ClientSampleId :**

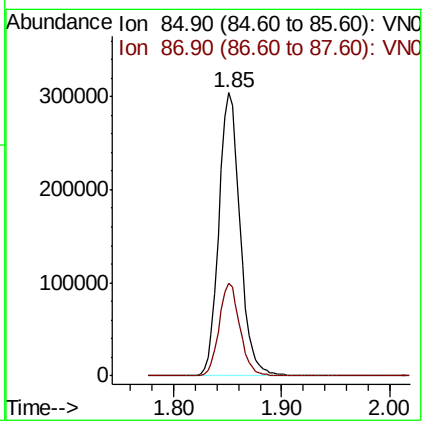


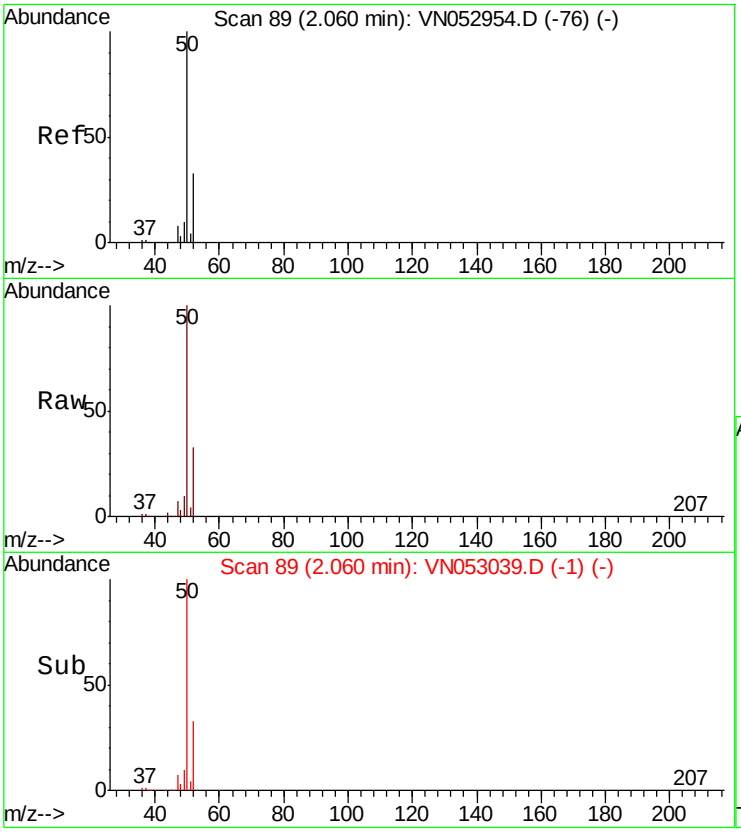




#2
Dichlorodifluoromethane
Concen: 43.451 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 85 Resp: 415019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 16.3 | 48.8 |



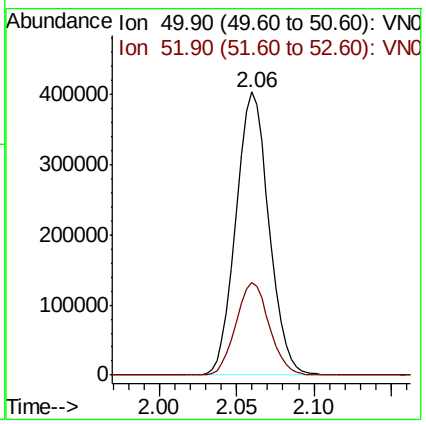


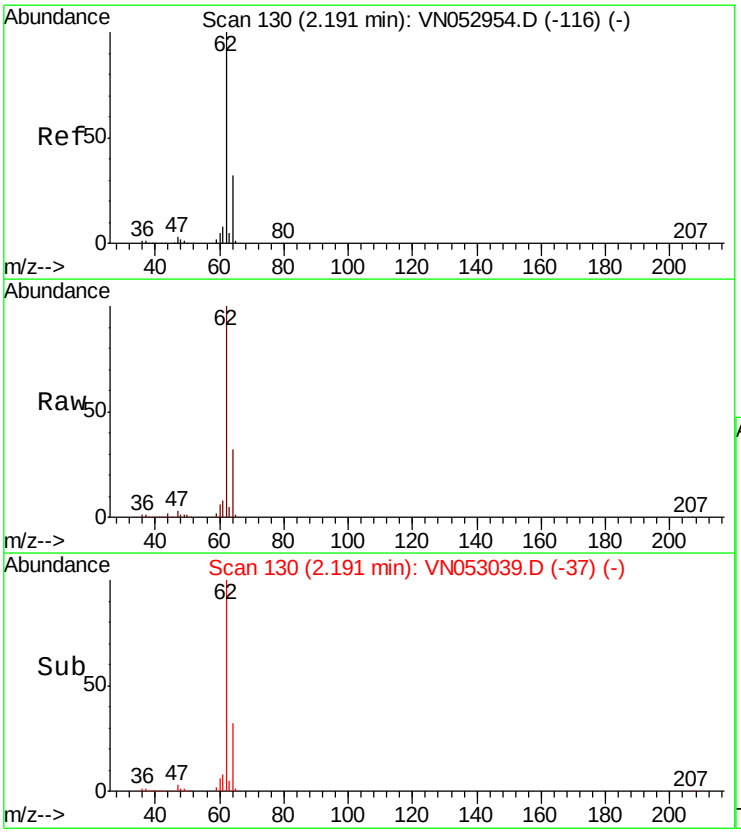

#3
Chloromethane
Concen: 51.877 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 50 Resp: 600443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.2 | 39.4 |

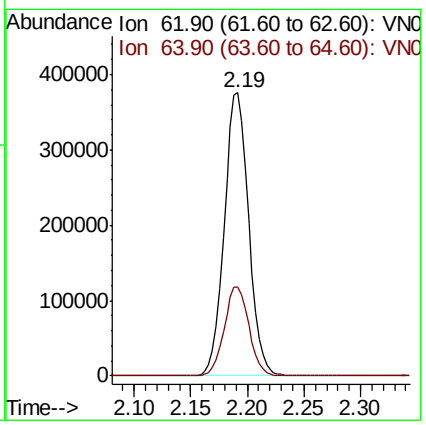


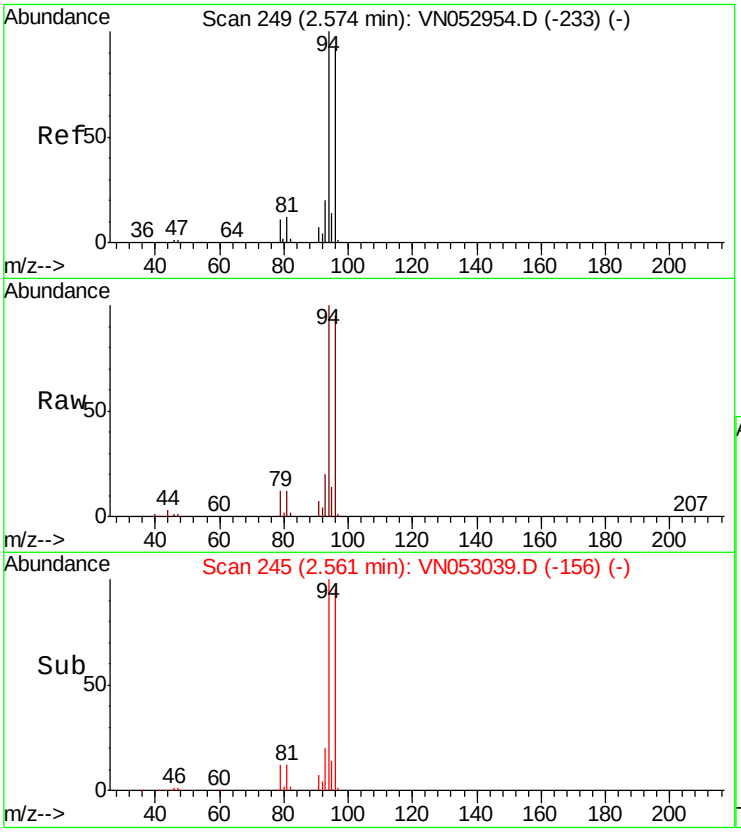




#4
Vinyl Chloride
Concen: 48.121 ug/l
RT: 2.19 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 62 Resp: 564073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.6 | 25.5 | 38.3 |



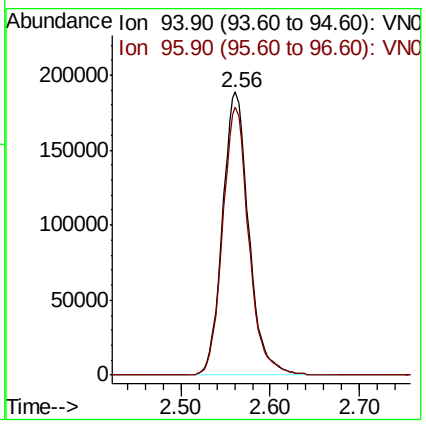


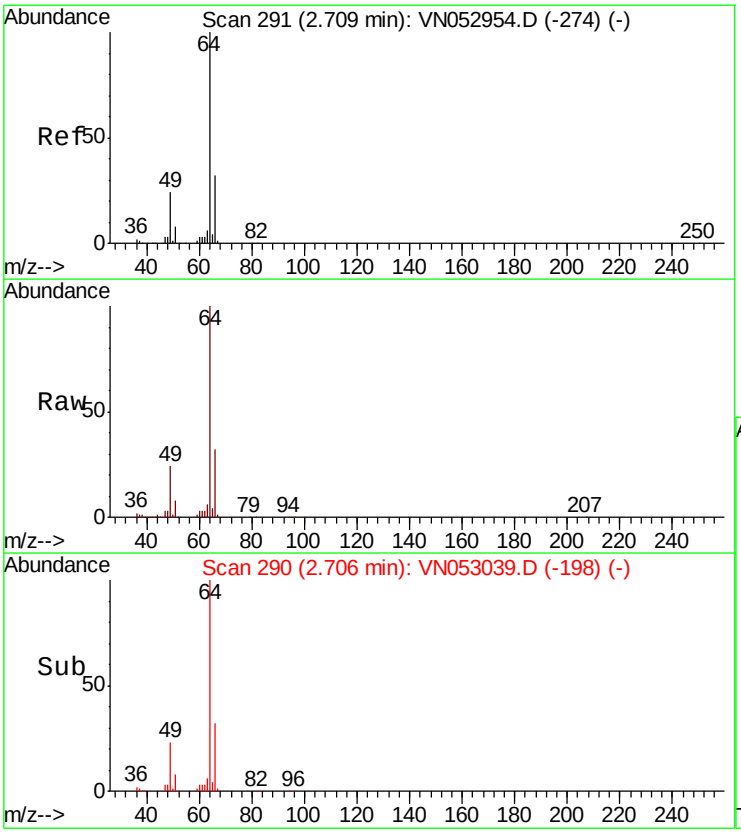

#5
Bromomethane
Concen: 47.495 ug/l
RT: 2.56 min Scan# 245
Delta R.T. -0.01 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 94 Resp: 385728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.6 | 75.0 | 112.4 |

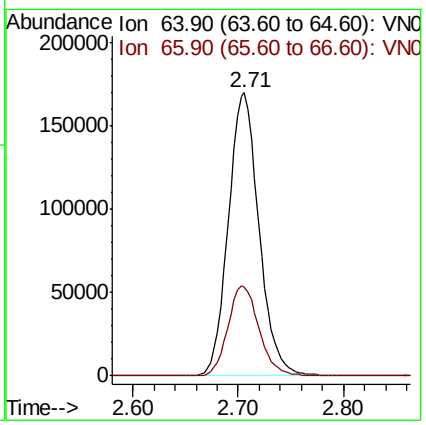


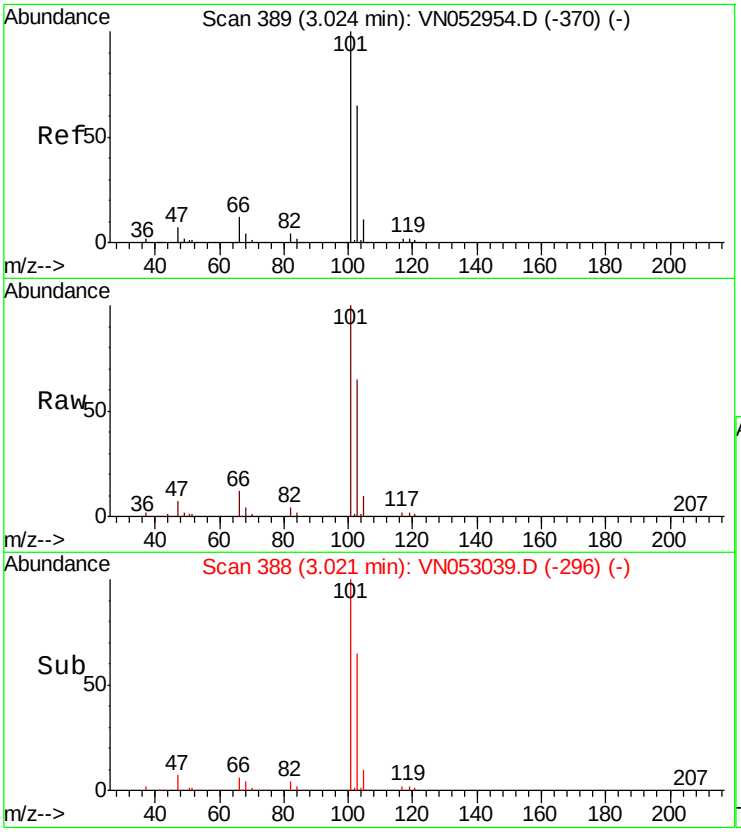




#6
Chloroethane
Concen: 49.279 ug/l
RT: 2.71 min Scan# 290
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 64 Resp: 342113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 26.2 | 39.2 |



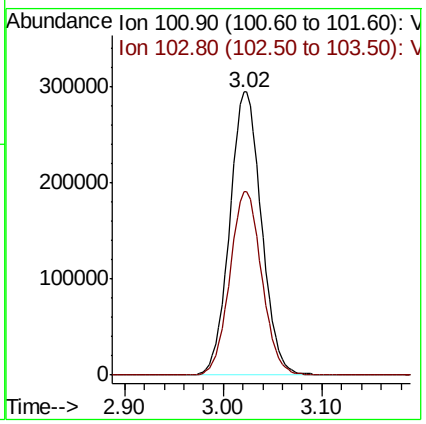


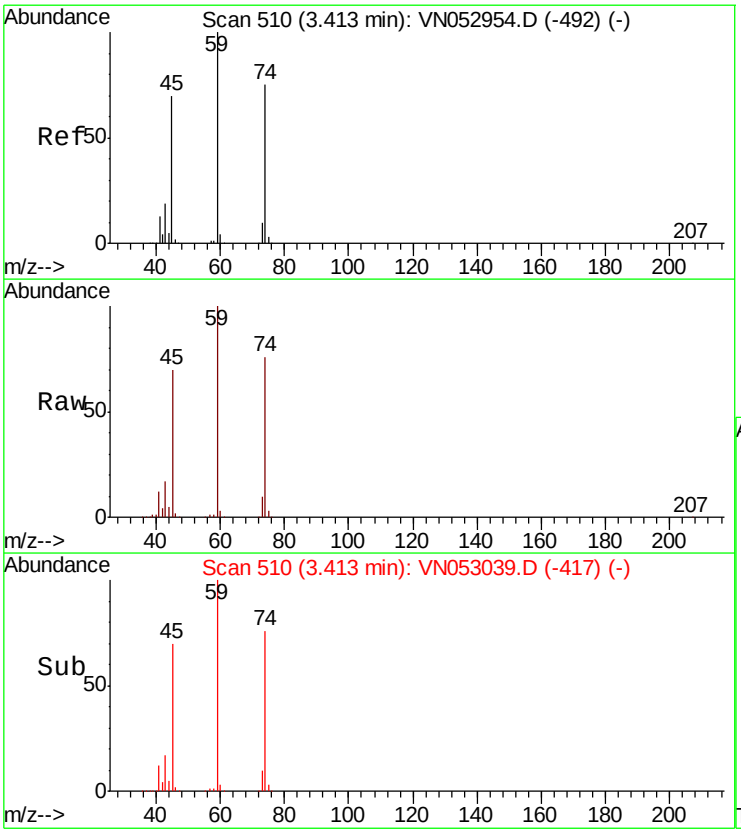

#7
Trichlorofluoromethane
Concen: 45.081 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:101 Resp: 658304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.7 | 51.8 | 77.6 |

**Instrument :**
MSVOA_N
**ClientSampleId :**

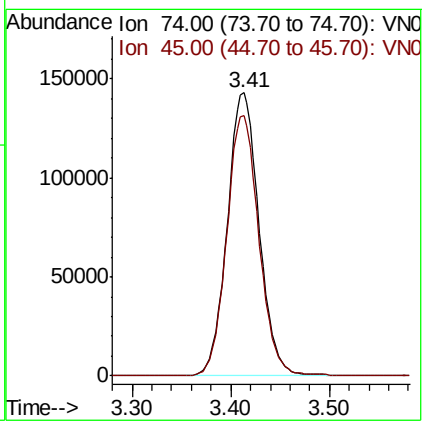


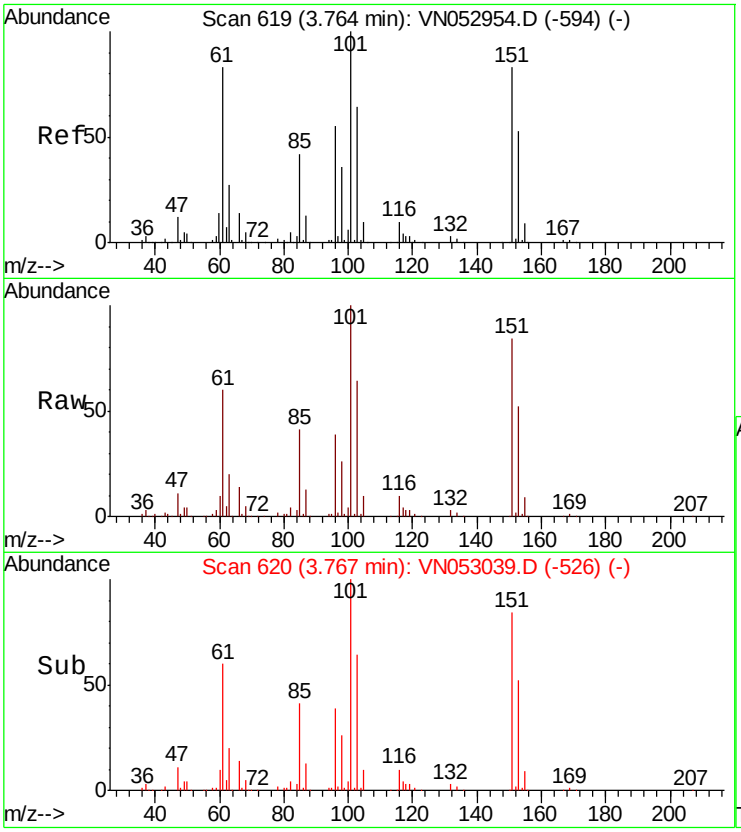




#8
Diethyl Ether
Concen: 58.212 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 74 Resp: 320685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 92.6 | 49.4 | 148.0 |



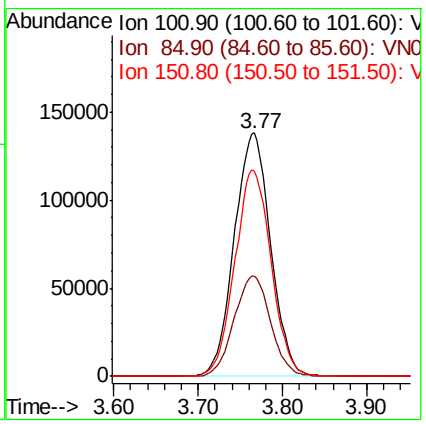


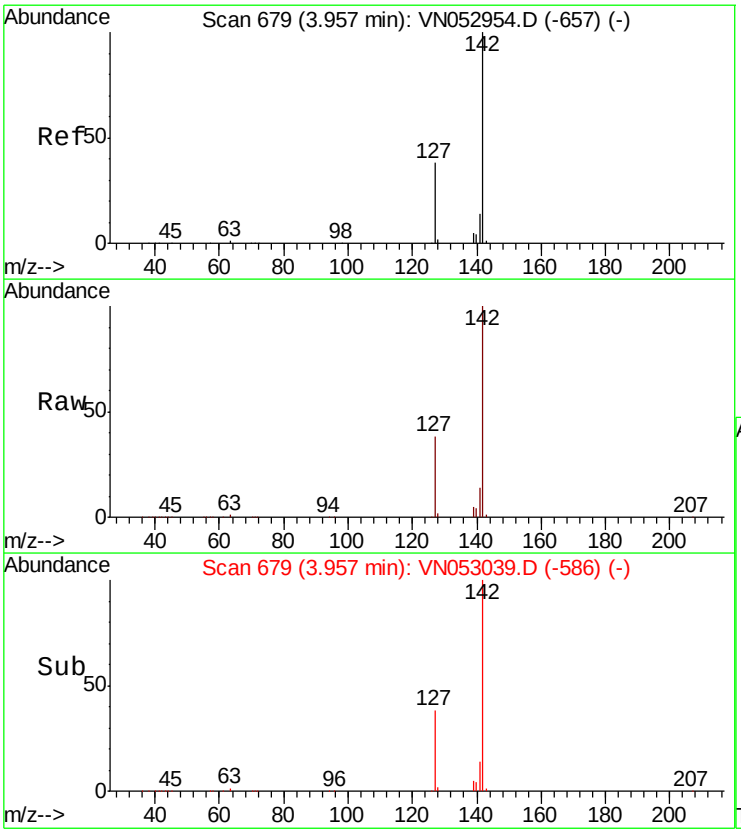

#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.440 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:101 Resp: 413762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.3 | 33.6 | 50.4 |
| 151 | 85.0 | 65.5 | 98.3 |

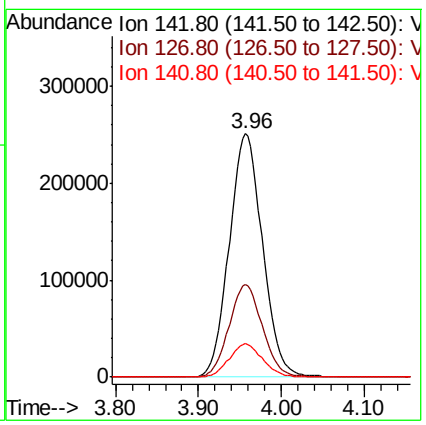


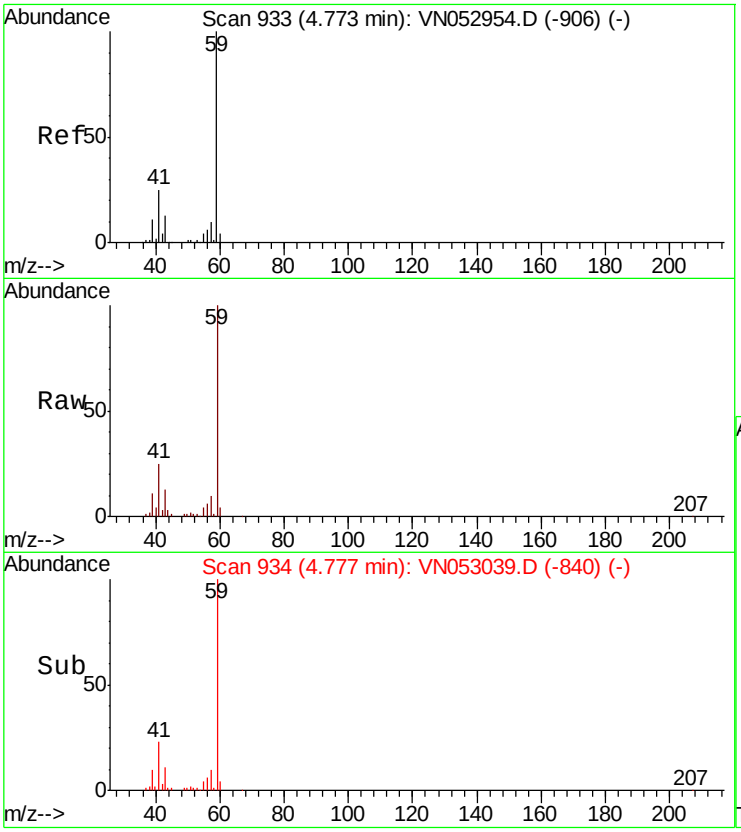




#10
Methyl Iodide
Concen: 53.629 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:142 Resp: 701206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 38.3 | 31.0 | 46.6 |
| 141 | 13.7 | 11.2 | 16.8 |



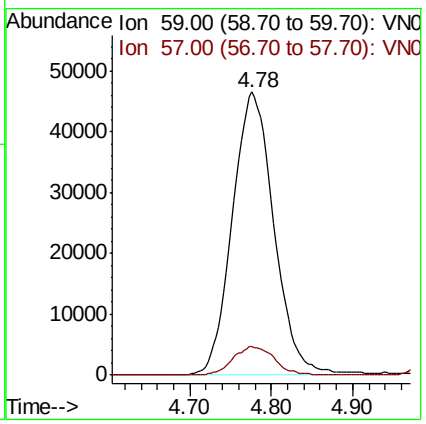


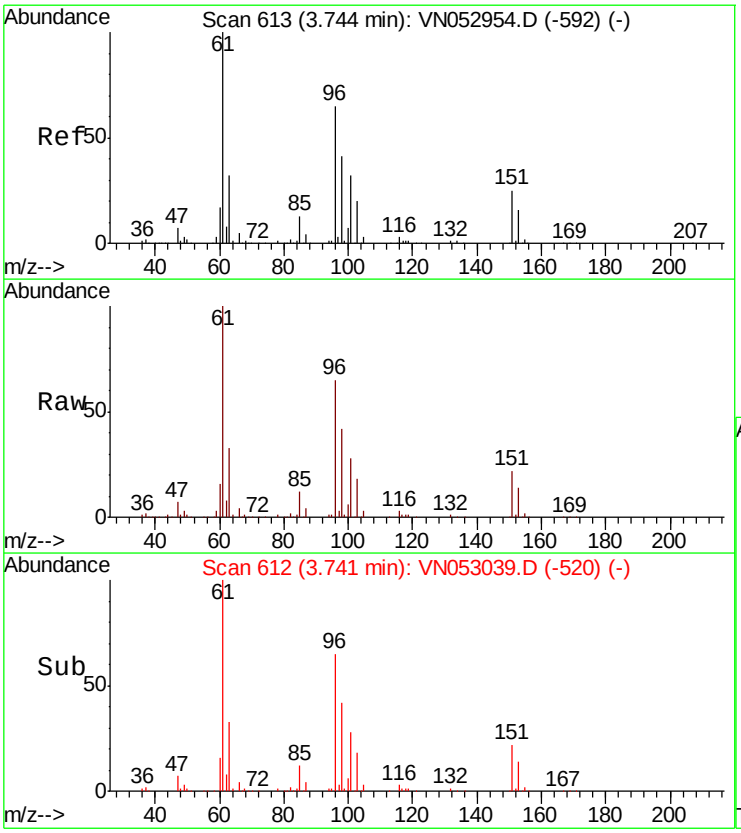

#11
Tert butyl alcohol
Concen: 281.402 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 59 Resp: 164441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 7.7 | 11.5 |

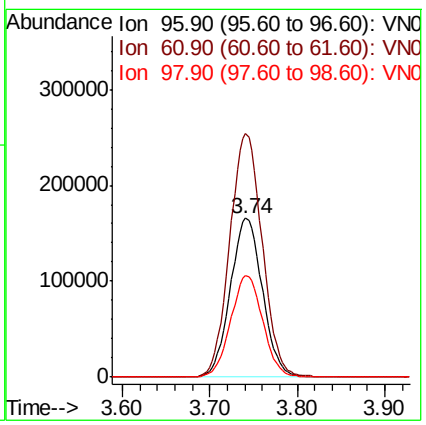


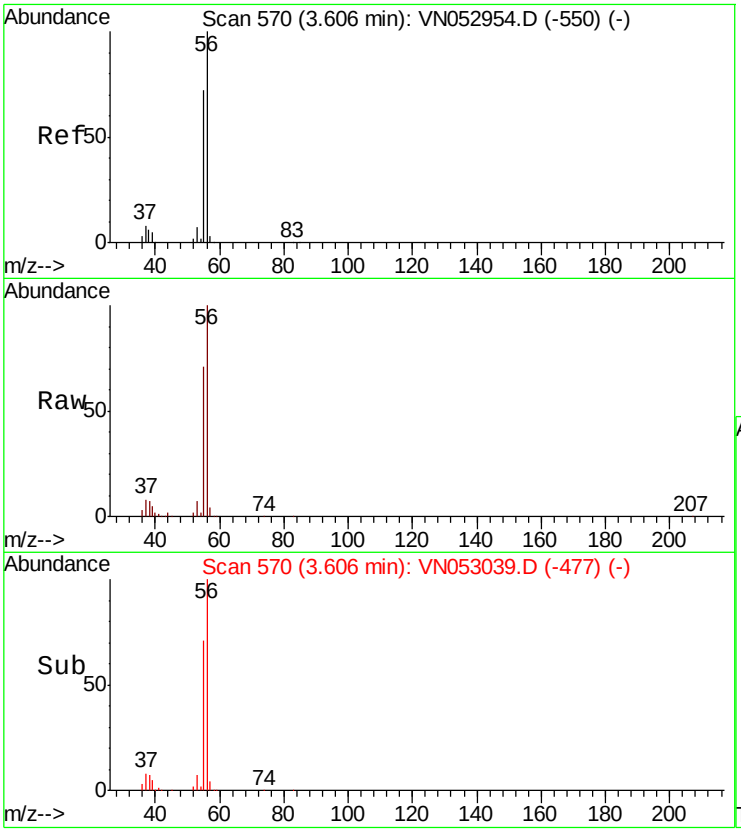




#12
1,1-Dichloroethene
Concen: 46.923 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 96 Resp: 422074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 153.6 | 125.6 | 188.4 |
| 98 | 64.2 | 50.6 | 75.8 |



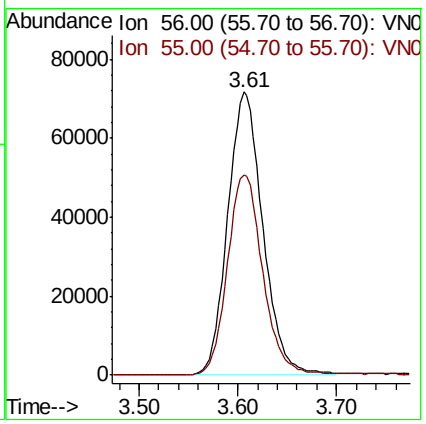


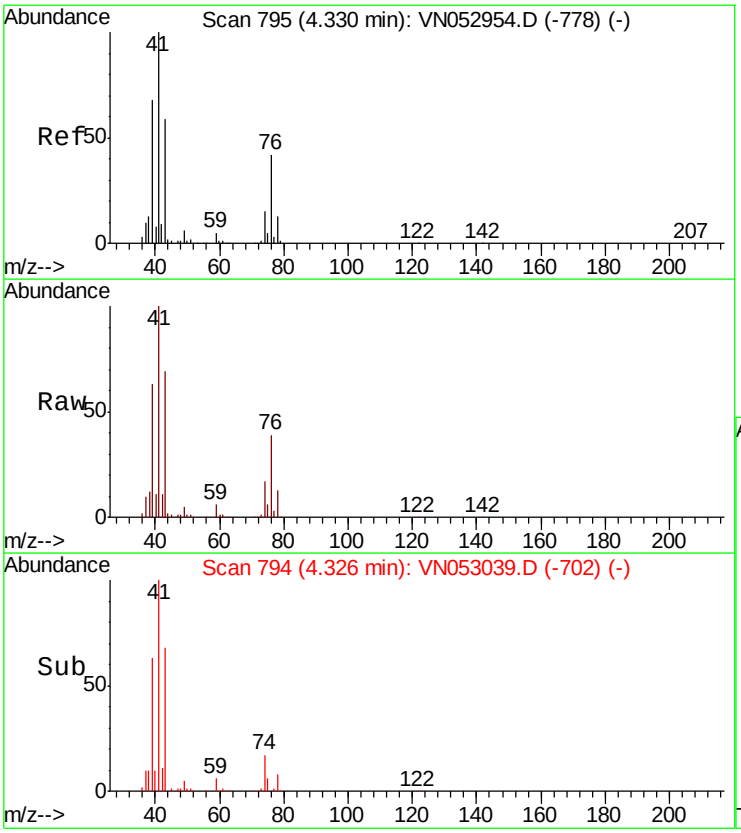

#13
Acrolein
Concen: 335.021 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 56 Resp: 177516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.0 | 56.6 | 85.0 |

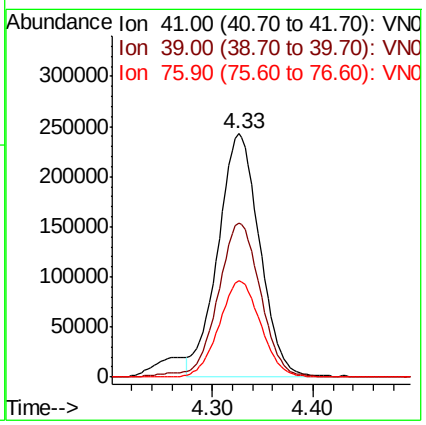


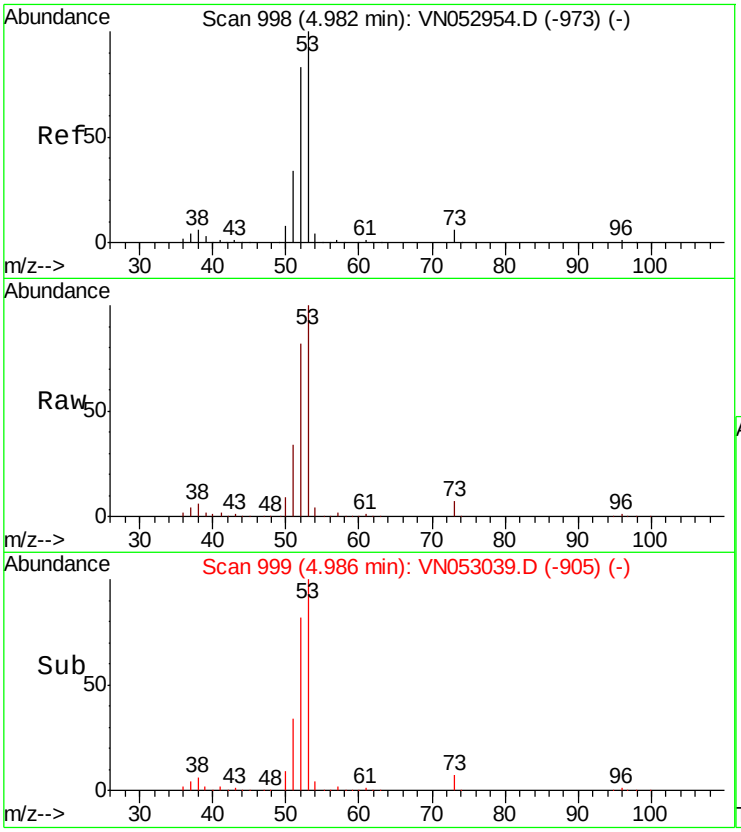




#14
Allyl chloride
Concen: 49.826 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 41 Resp: 694233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.5 | 54.1 | 81.1 |
| 76 | 38.8 | 30.3 | 45.5 |



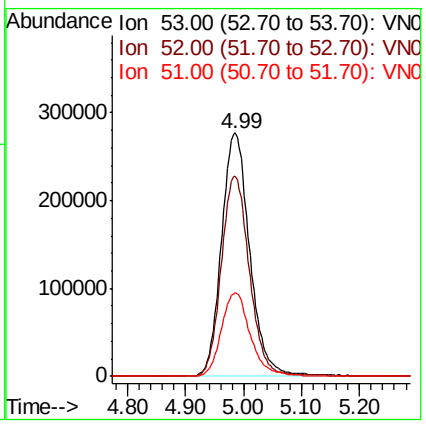


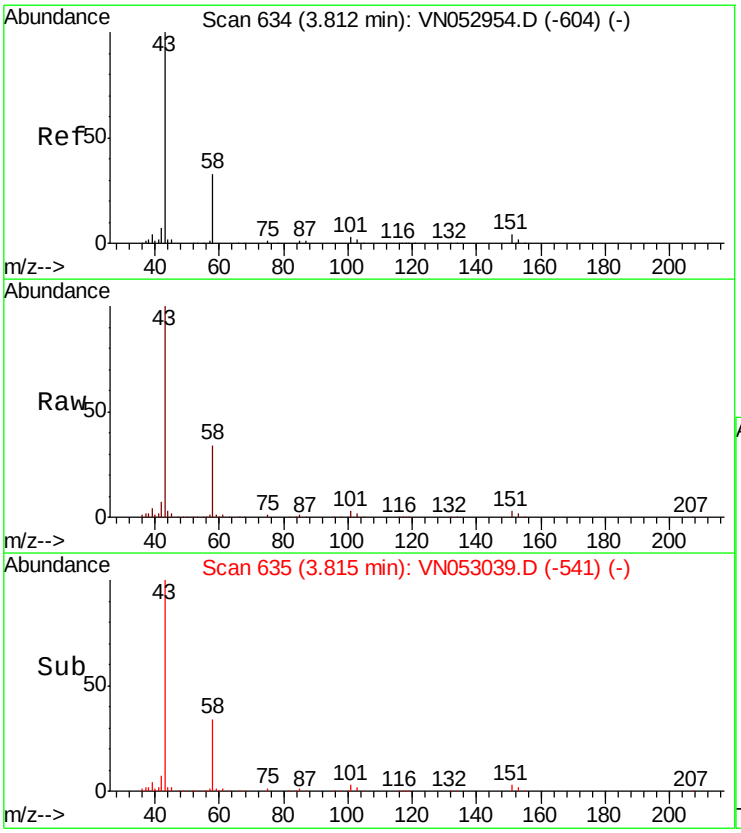

#15
Acrylonitrile
Concen: 288.537 ug/l
RT: 4.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 53 Resp: 936715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.9 | 65.1 | 97.7 |
| 51 | 35.2 | 28.1 | 42.1 |

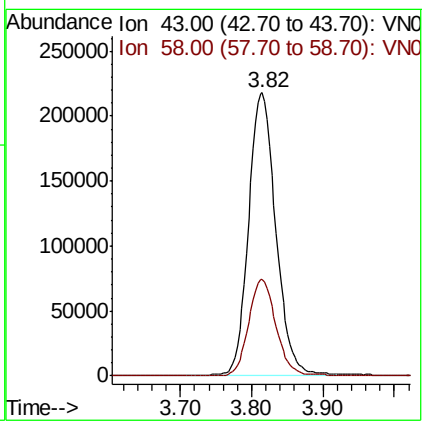


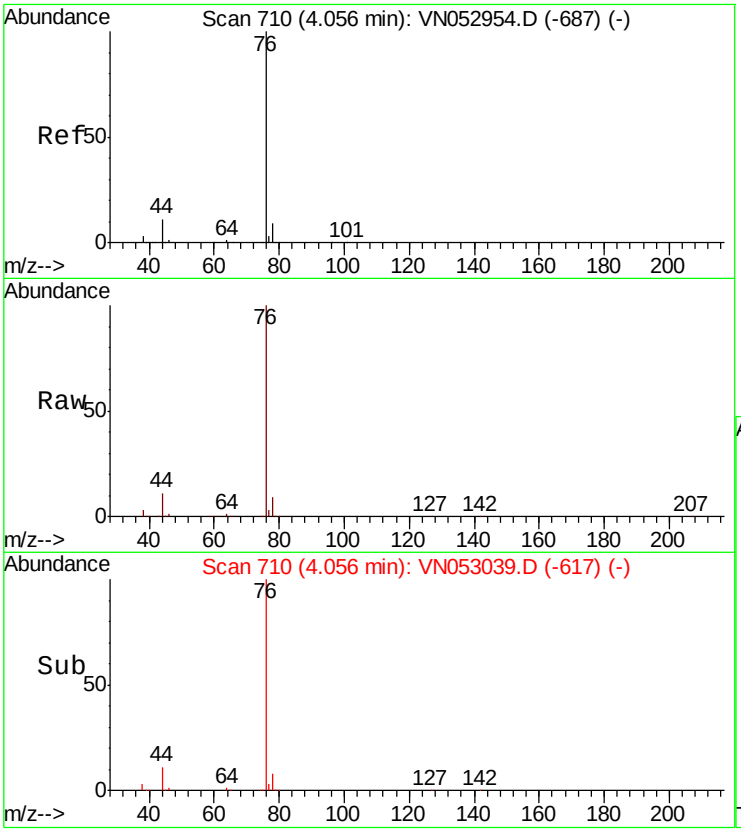




#16
Acetone
Concen: 308.958 ug/l
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 580157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.2 | 25.4 | 38.0 |



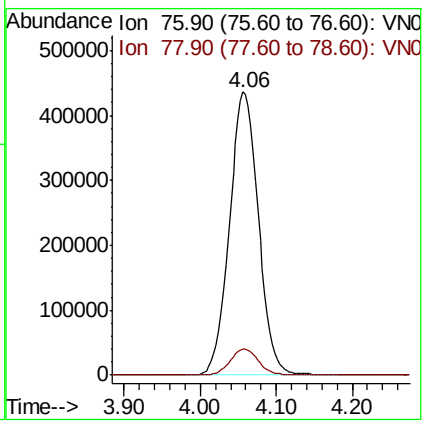


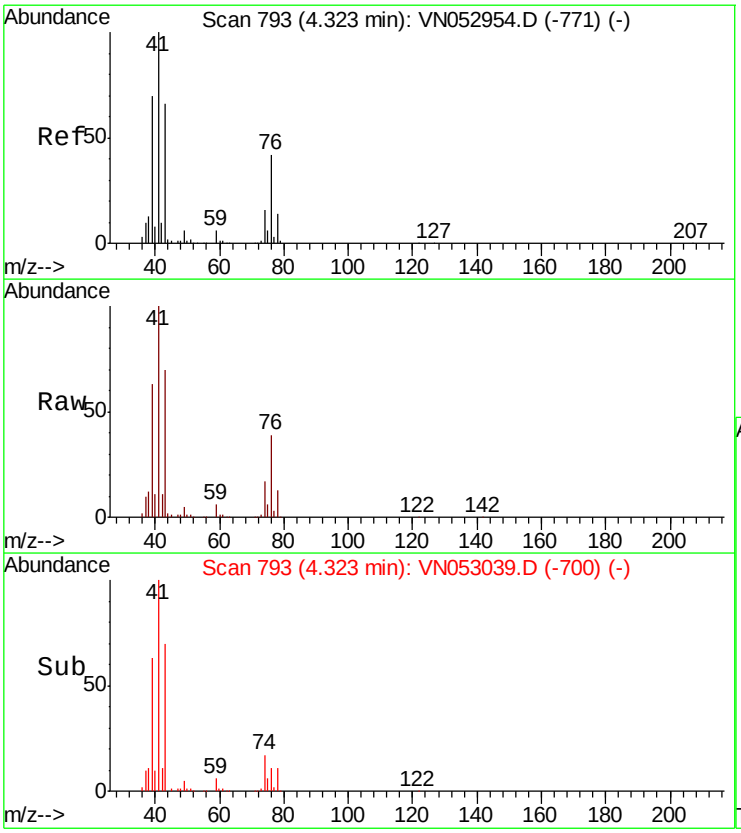

#17
Carbon Disulfide
Concen: 39.317 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 76 Resp: 1153381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.1 | 10.7 |

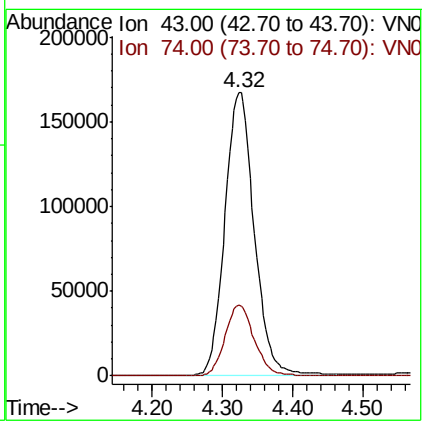


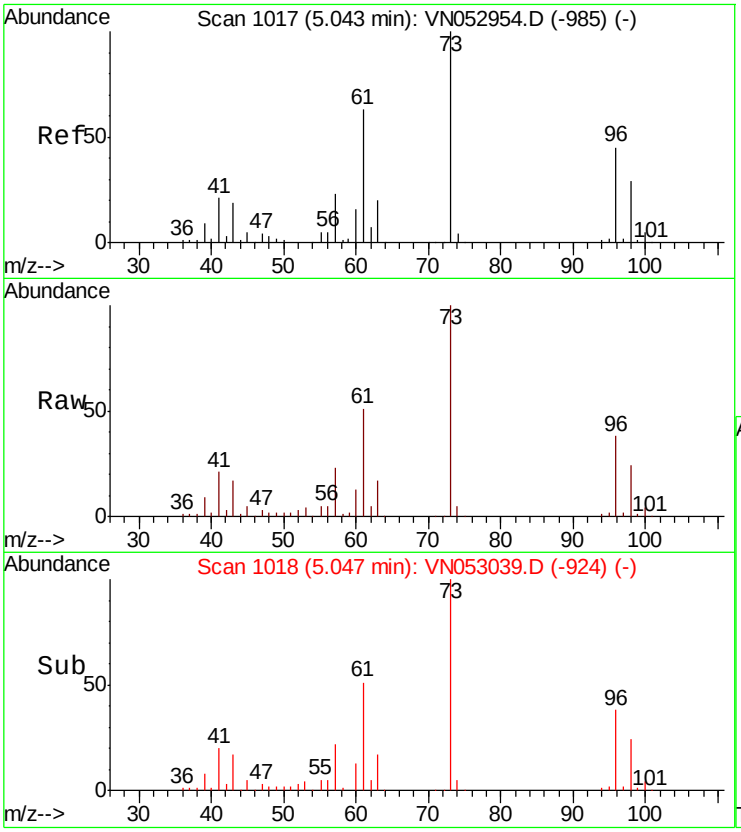




#18
Methyl Acetate
Concen: 56.725 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 484615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.0 | 19.2 | 28.8 |



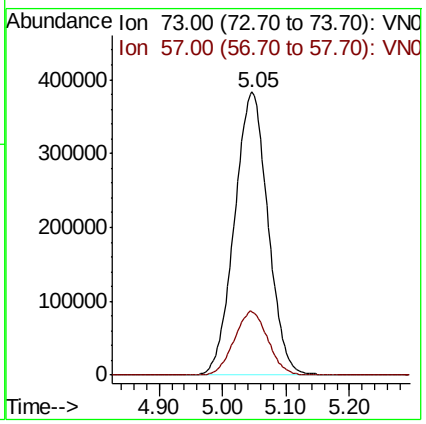


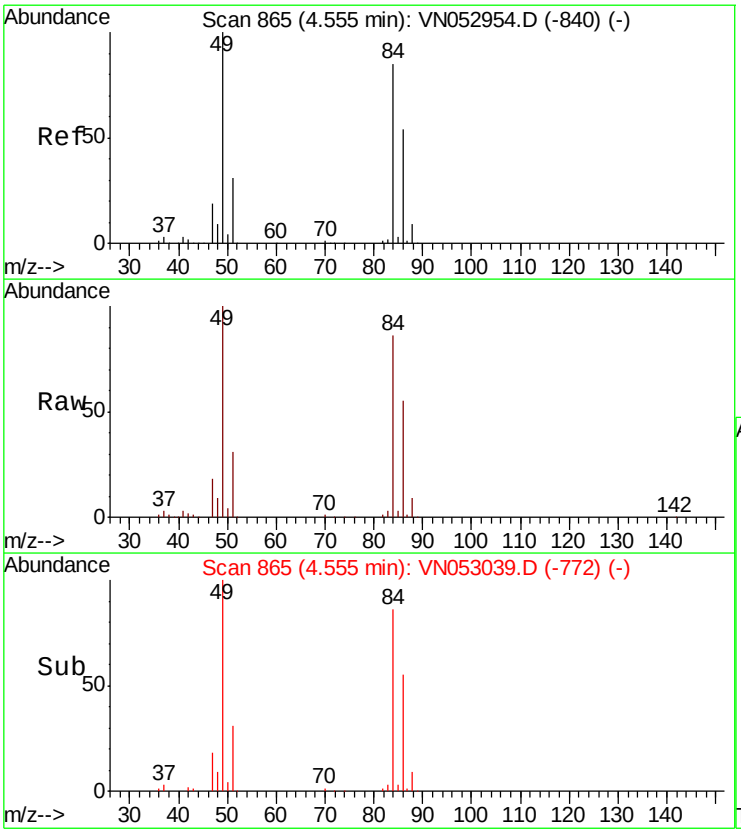

#19
Methyl tert-butyl Ether
Concen: 58.237 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 73 Resp: 1401857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.5 | 18.4 | 27.6 |

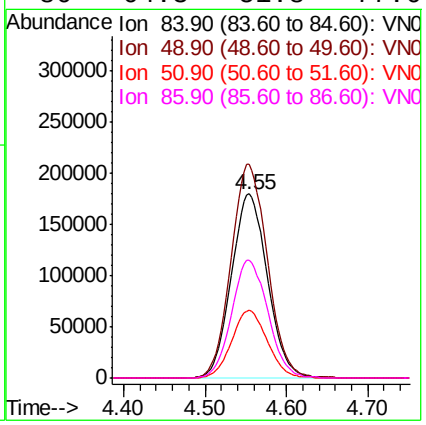


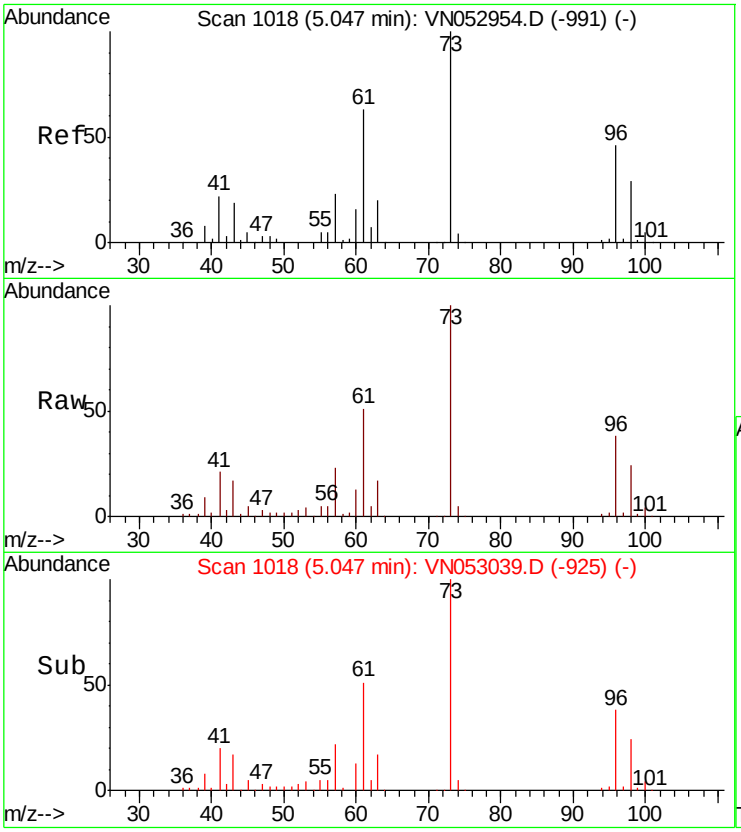




#20
Methylene Chloride
Concen: 53.974 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 84 Resp: 552859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 116.0 | 96.8 | 145.2 |
| 51 | 36.5 | 29.9 | 44.9 |
| 86 | 64.3 | 51.8 | 77.6 |



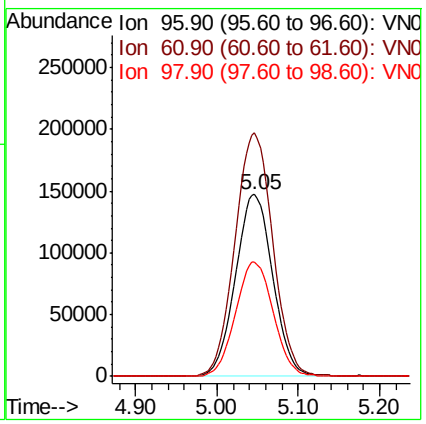


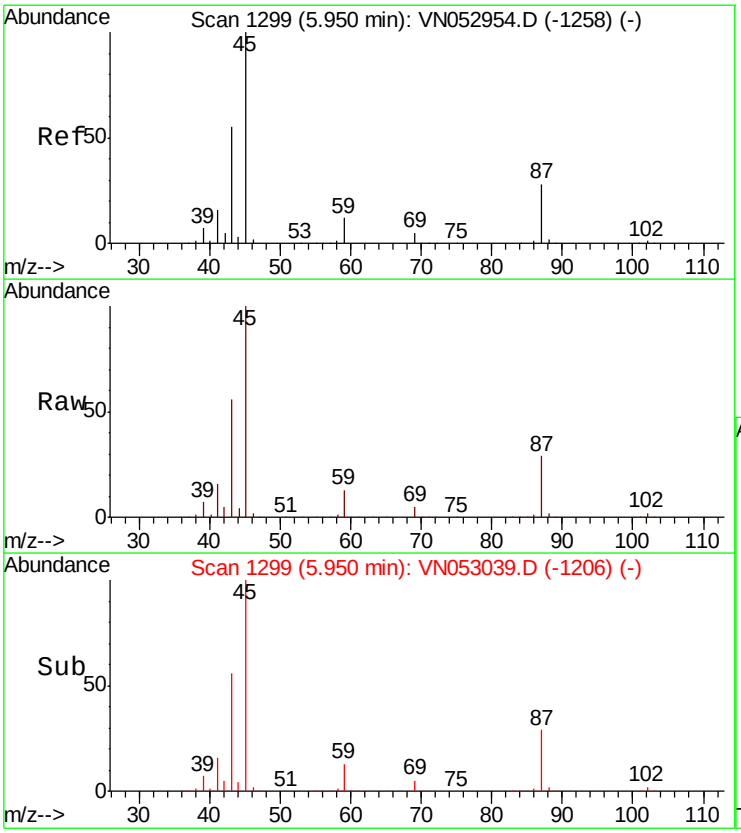

#21
trans-1,2-Dichloroethene
Concen: 48.237 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 96 Resp: 466186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.1 | 110.8 | 166.2 |
| 98 | 62.8 | 51.4 | 77.2 |

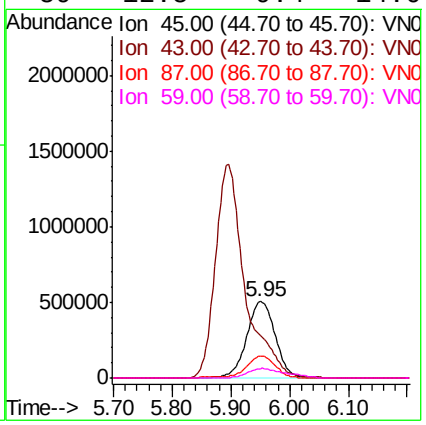


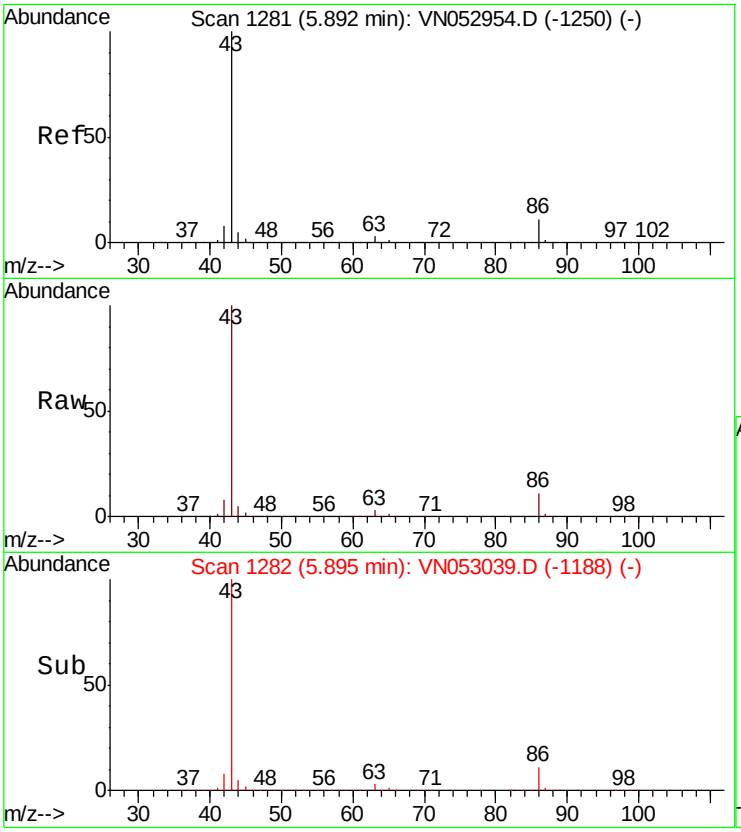




#22
Diisopropyl ether
Concen: 57.434 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 45 Resp: 1708104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 55.7 | 45.5 | 68.3 |
| 87 | 28.8 | 22.0 | 33.0 |
| 59 | 12.5 | 9.4 | 14.0 |



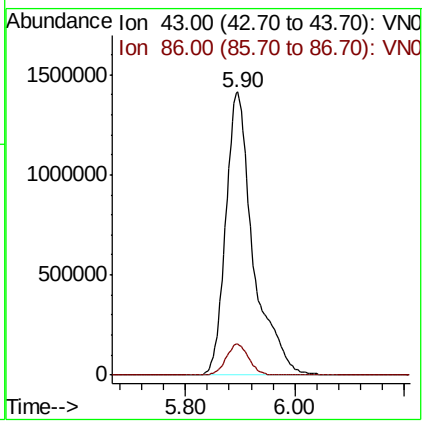


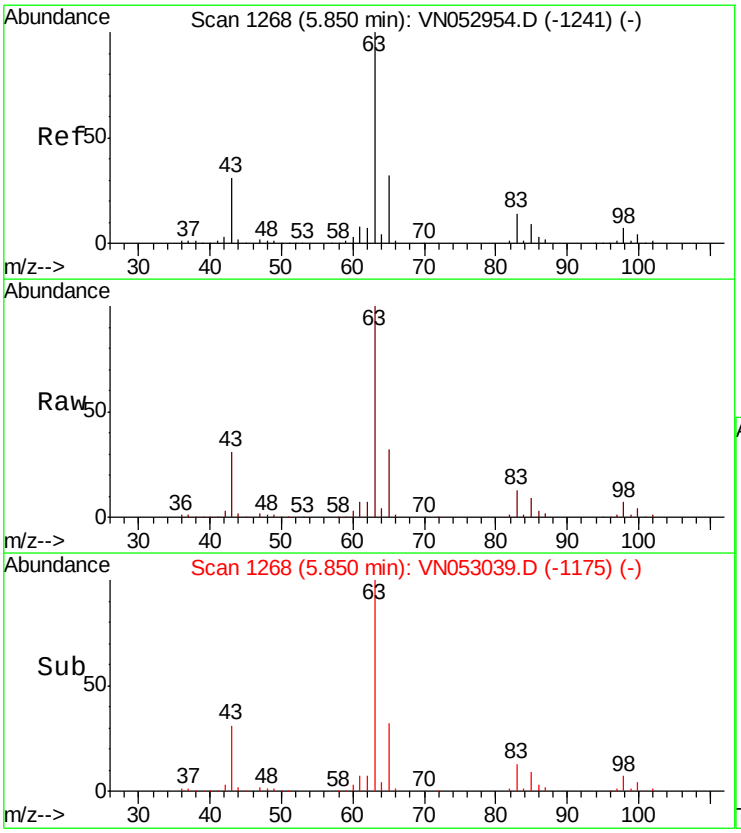

#23
Vinyl Acetate
Concen: 288.535 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 4934429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 8.1 | 12.1 |

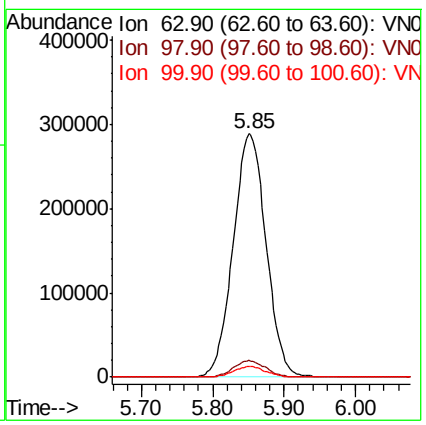


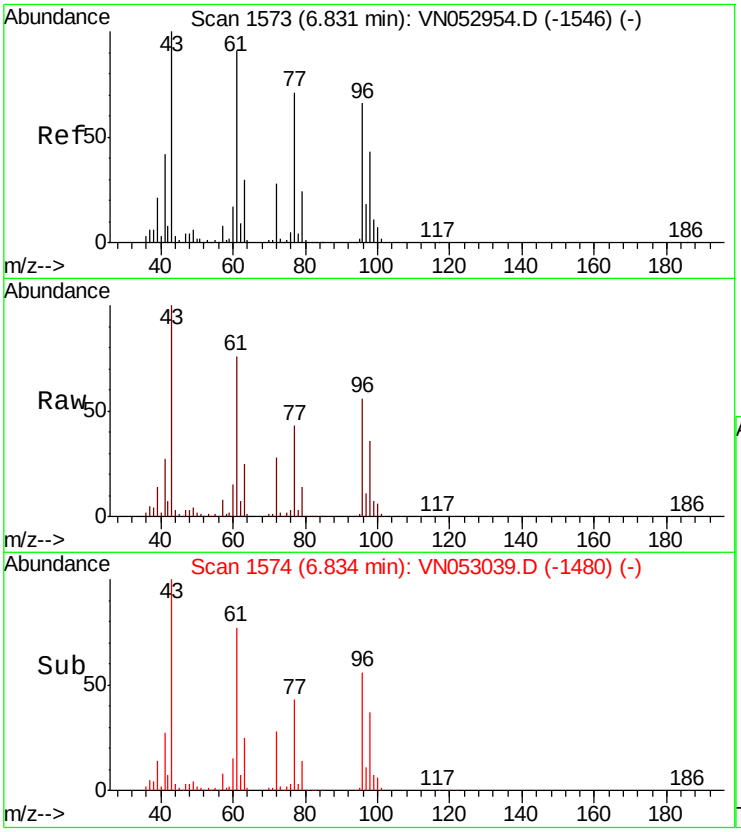




#24
1,1-Dichloroethane
Concen: 52.611 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 63 Resp: 929779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.1 | 9.4 |
| 100 | 4.3 | 2.0 | 5.8 |



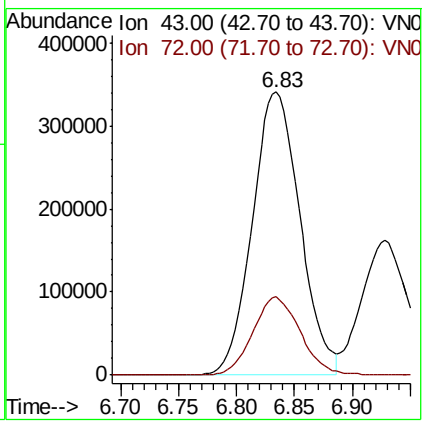


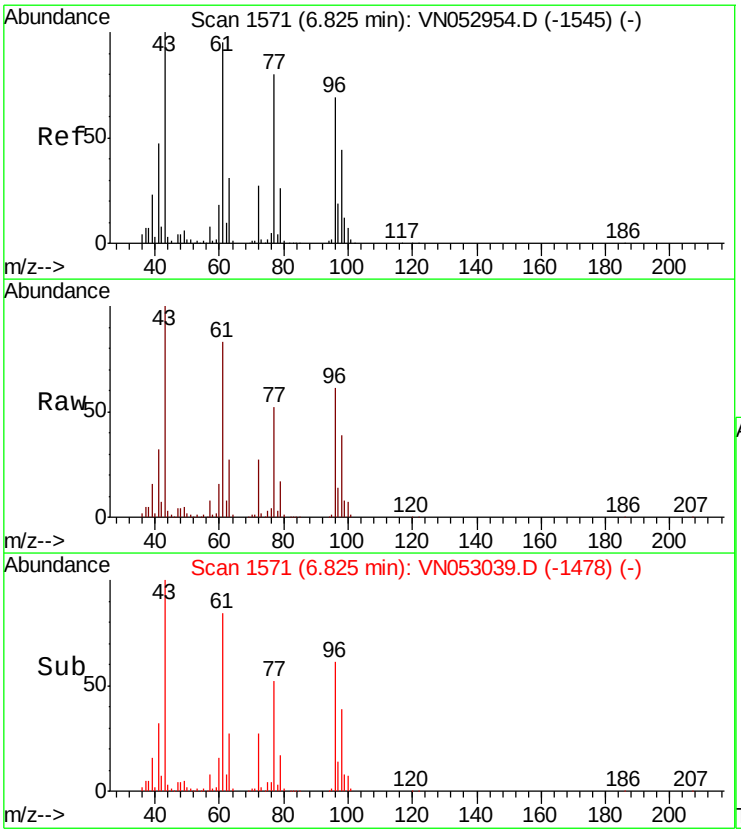

#25
2-Butanone
Concen: 308.738 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 972953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.6 | 21.0 | 31.6 |

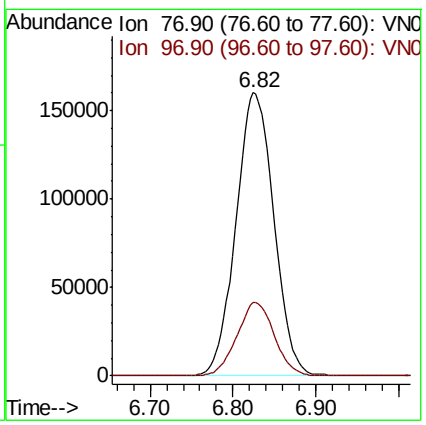


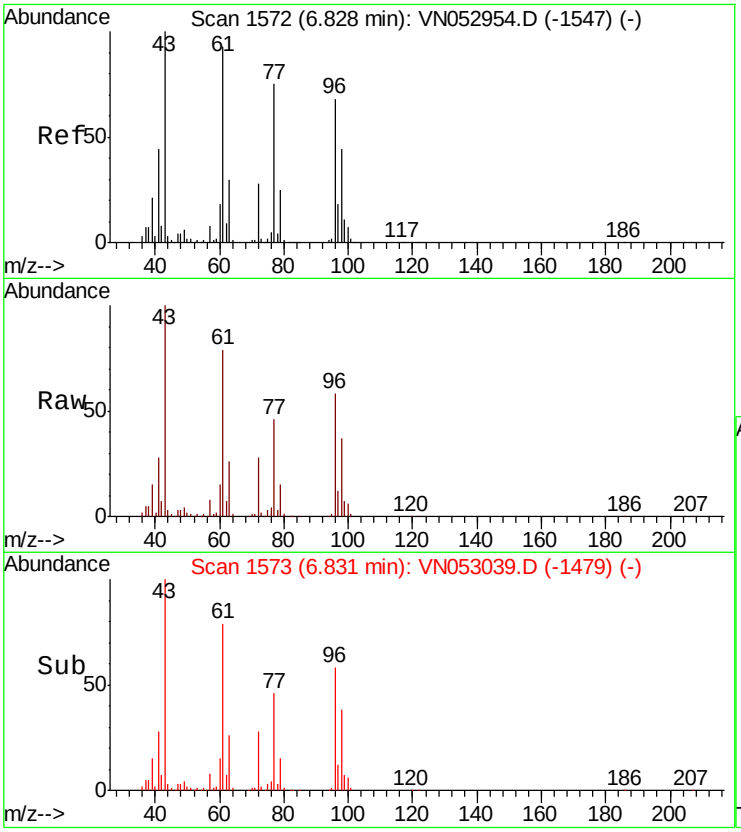




#26
2,2-Dichloropropane
Concen: 37.781 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 77 Resp: 509692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.6 | 11.9 | 35.9 |



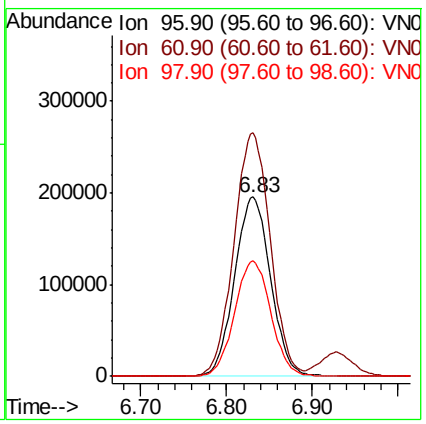


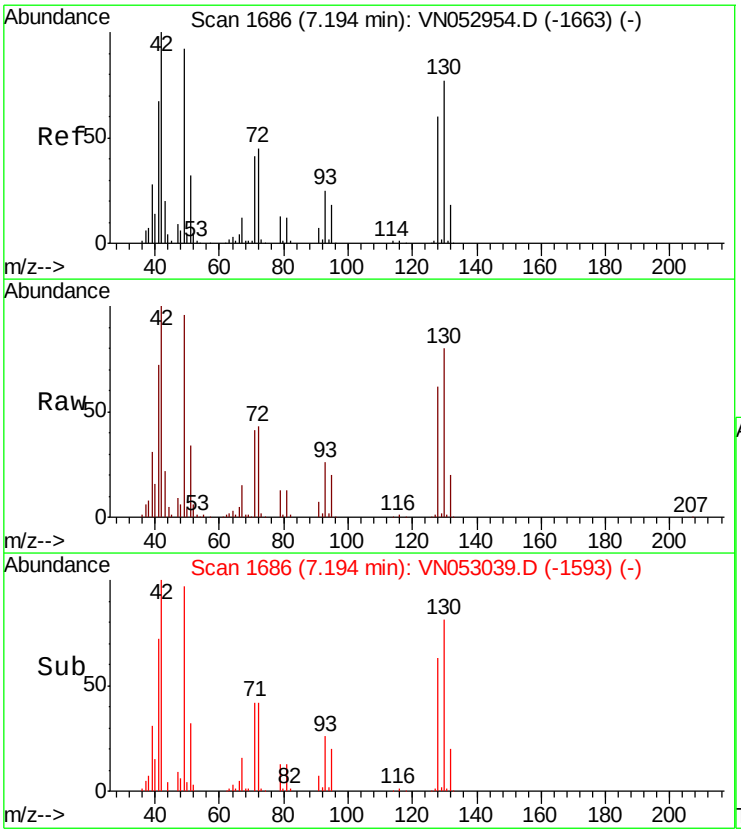

#27
cis-1,2-Dichloroethene
Concen: 52.015 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 96 Resp: 569109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.9 | 0.0 | 284.2 |
| 98 | 64.9 | 0.0 | 129.2 |

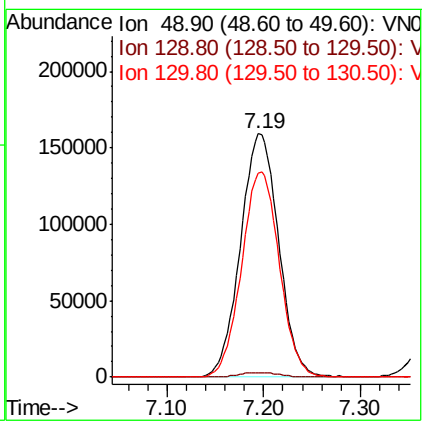


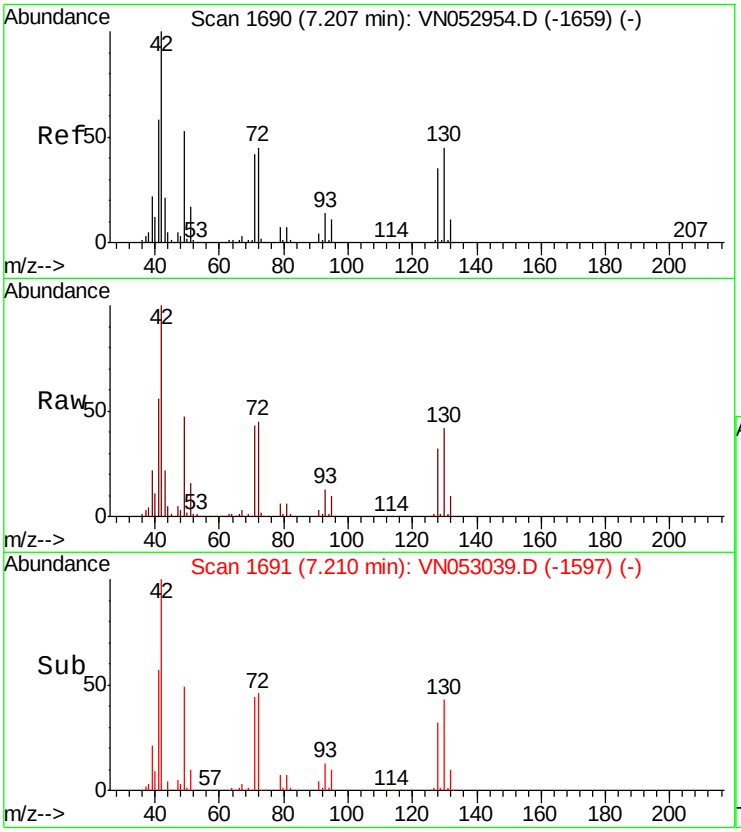




#28
Bromochloromethane
Concen: 56.956 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 49 Resp: 436165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 83.6 | 63.3 | 94.9 |



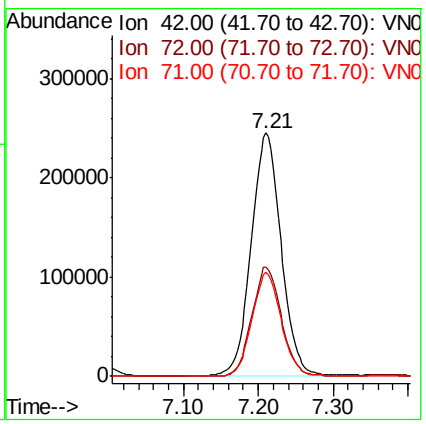


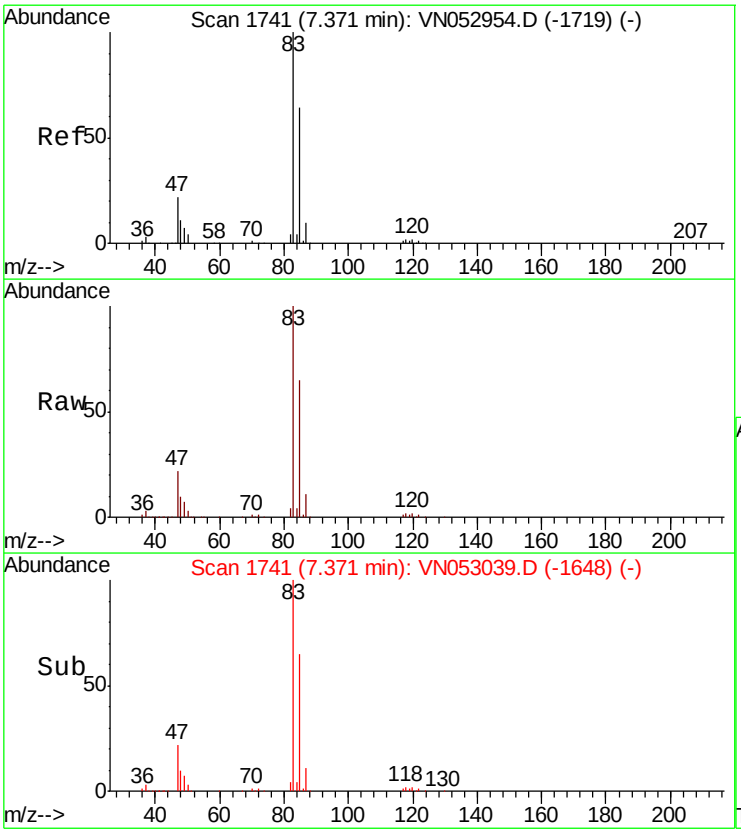

#29
Tetrahydrofuran
Concen: 290.944 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 42 Resp: 684788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.1 | 34.7 | 52.1 |
| 71 | 41.8 | 32.3 | 48.5 |

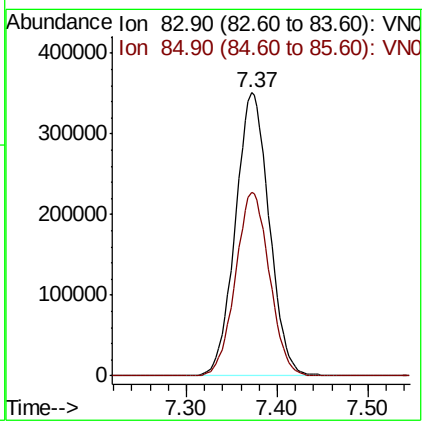


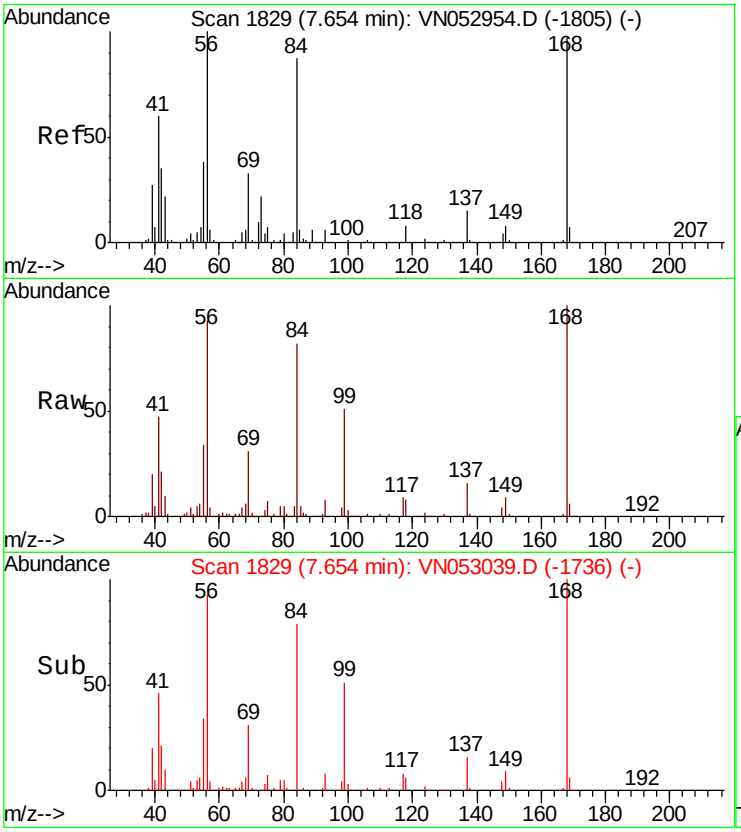




#30
Chloroform
Concen: 52.201 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 83 Resp: 906249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 52.1 | 78.1 |



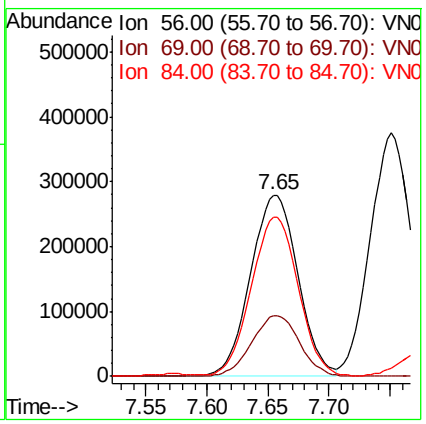


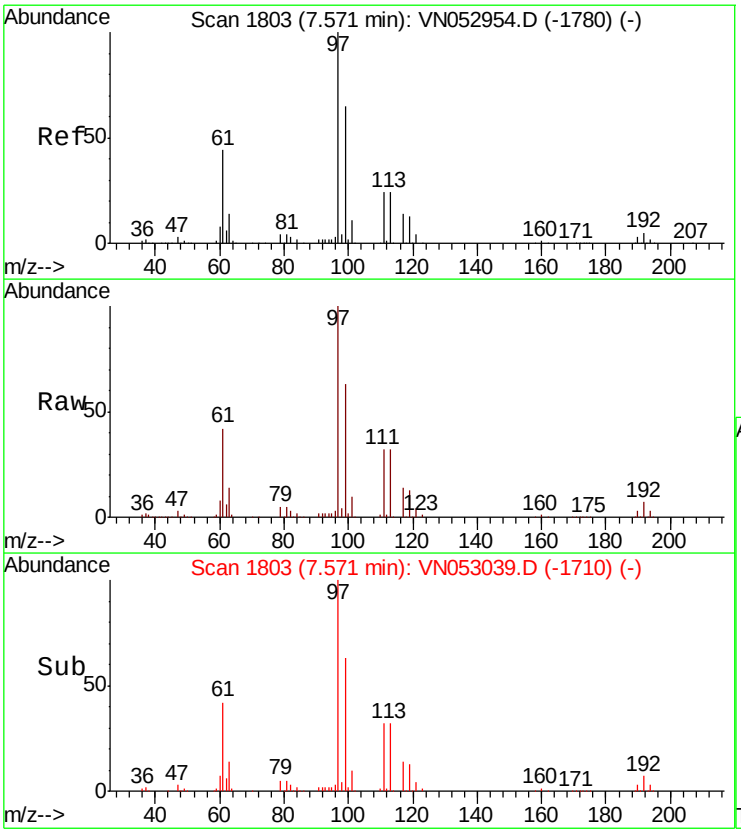

#31
Cyclohexane
Concen: 45.441 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 56 Resp: 754755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.3 | 26.6 | 39.8 |
| 84 | 86.9 | 68.4 | 102.6 |

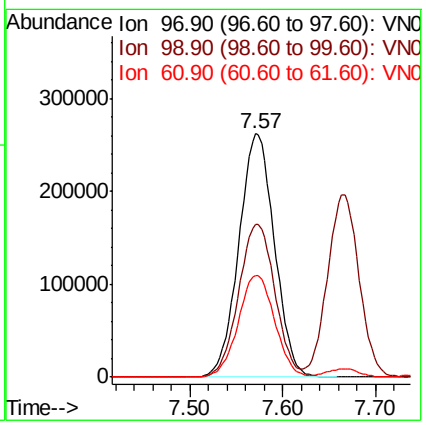


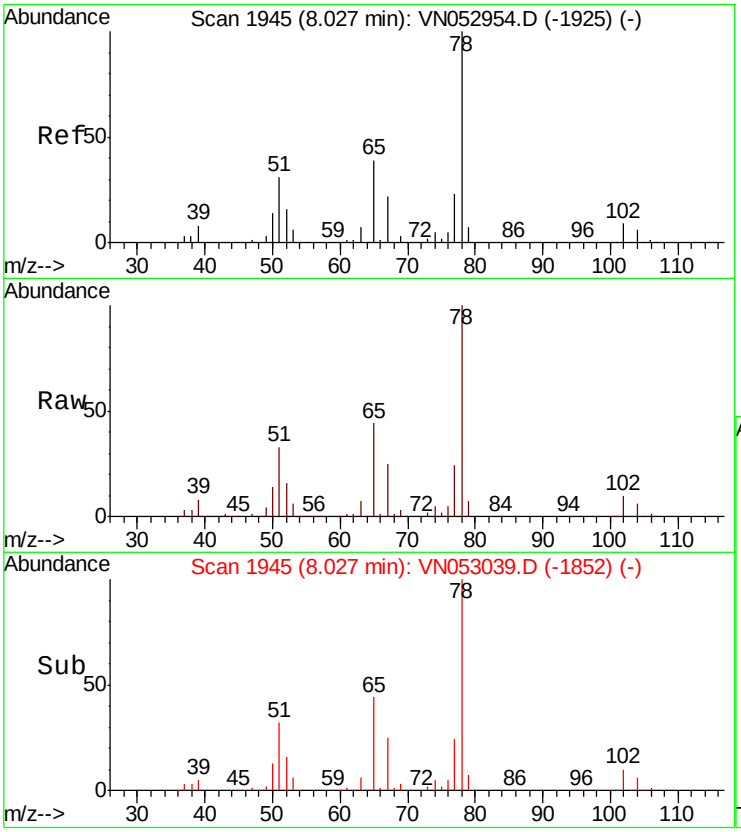




#32
1,1,1-Trichloroethane
Concen: 47.261 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 97 Resp: 698950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 51.1 | 76.7 |
| 61 | 42.8 | 35.0 | 52.6 |



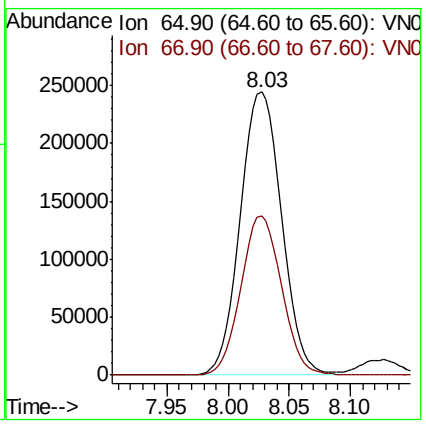


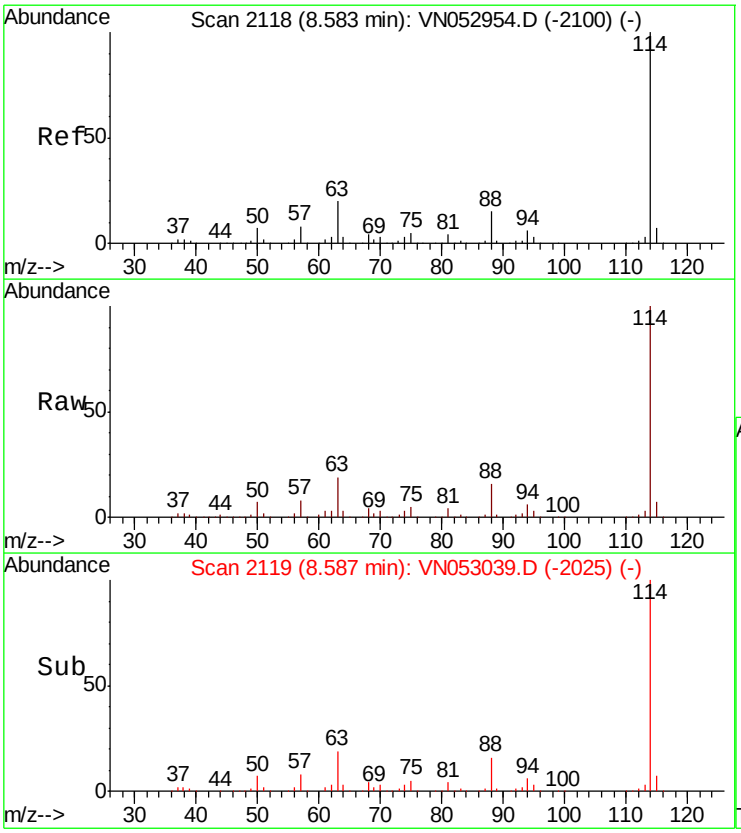

#33
1,2-Dichloroethane-d4
Concen: 47.261 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 65 Resp: 575153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 55.3 | 0.0 | 110.4 |

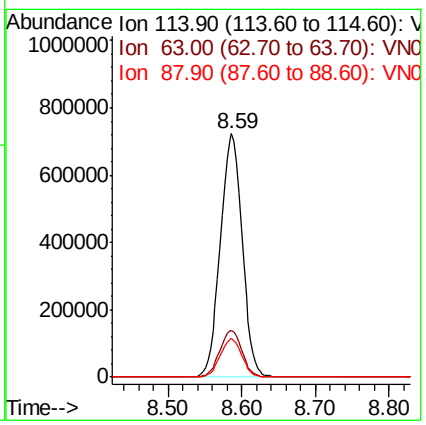


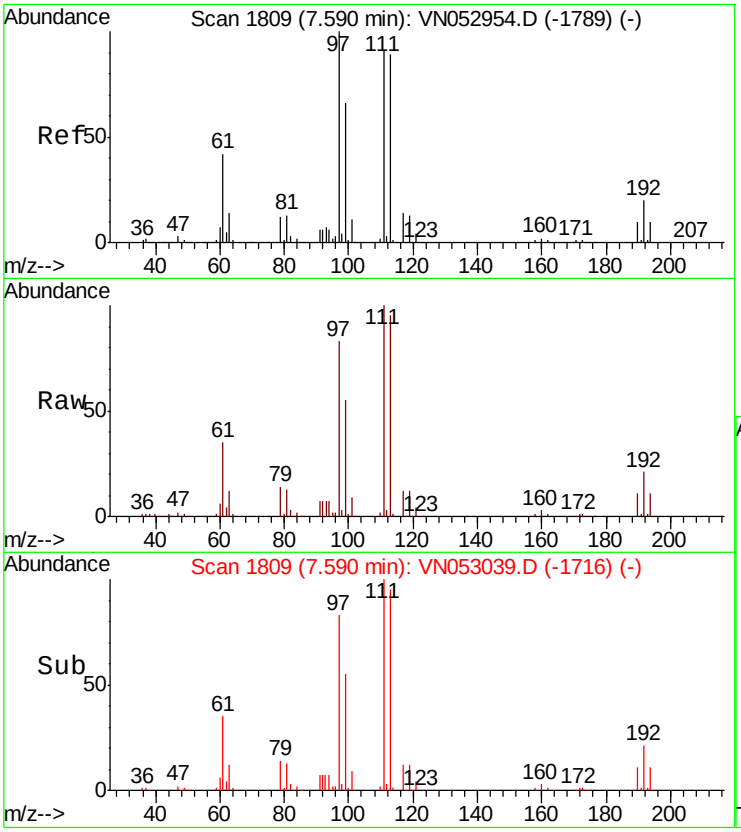




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:114 Resp: 1491062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.2 | 0.0 | 39.8 |
| 88 | 15.7 | 0.0 | 31.0 |



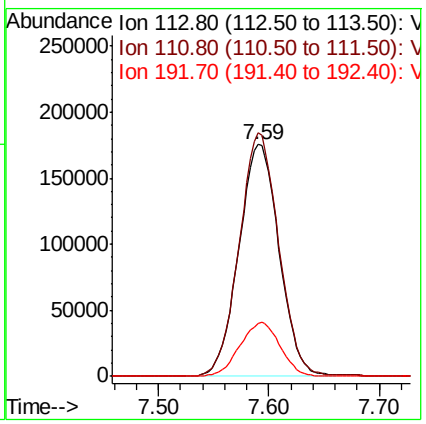


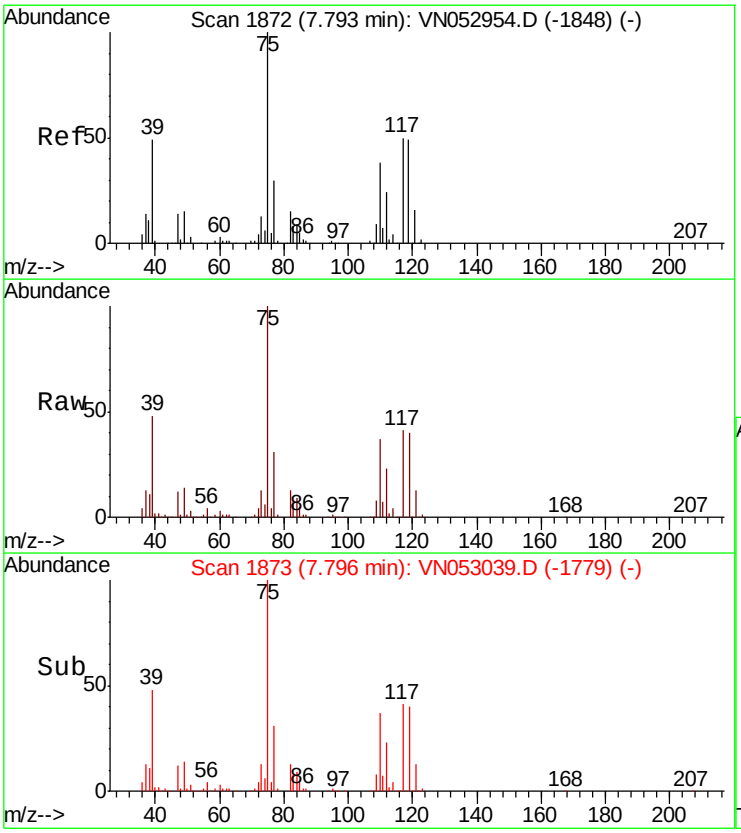

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:113 Resp: 443922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 83.0 | 124.4 |
| 192 | 23.3 | 17.5 | 26.3 |

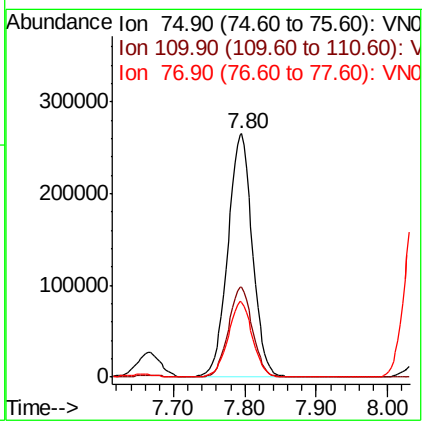


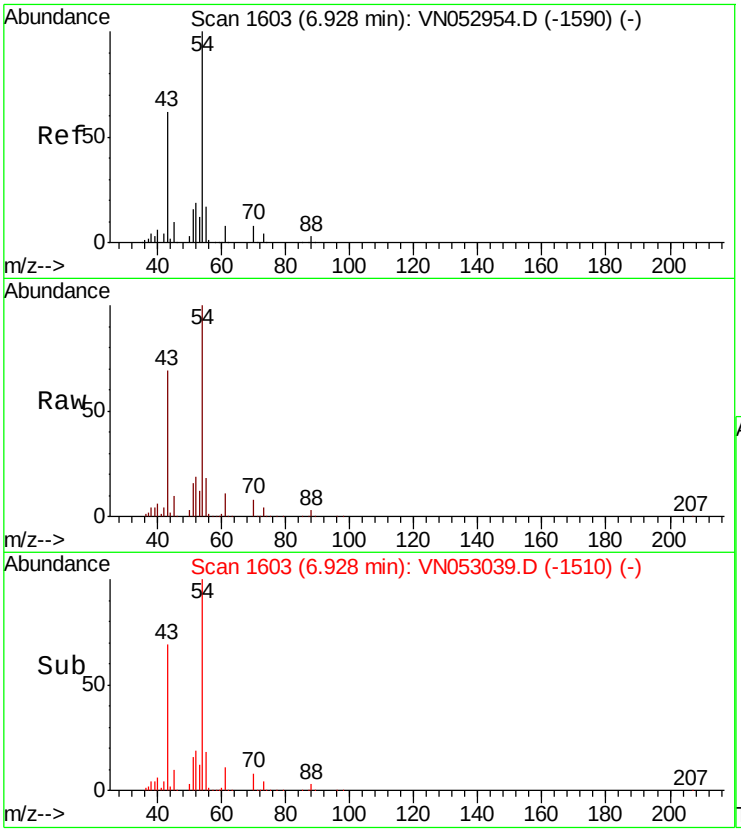




#36
1,1-Dichloropropene
Concen: 44.297 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 633964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.5 | 18.2 | 54.6 |
| 77 | 31.0 | 24.9 | 37.3 |



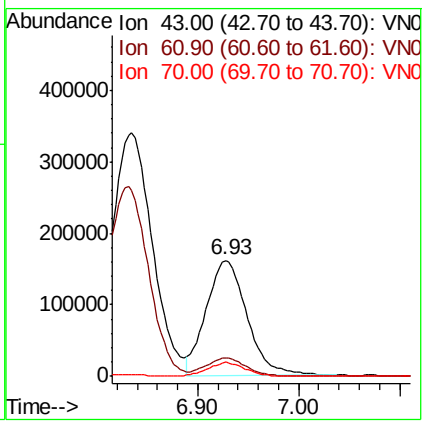


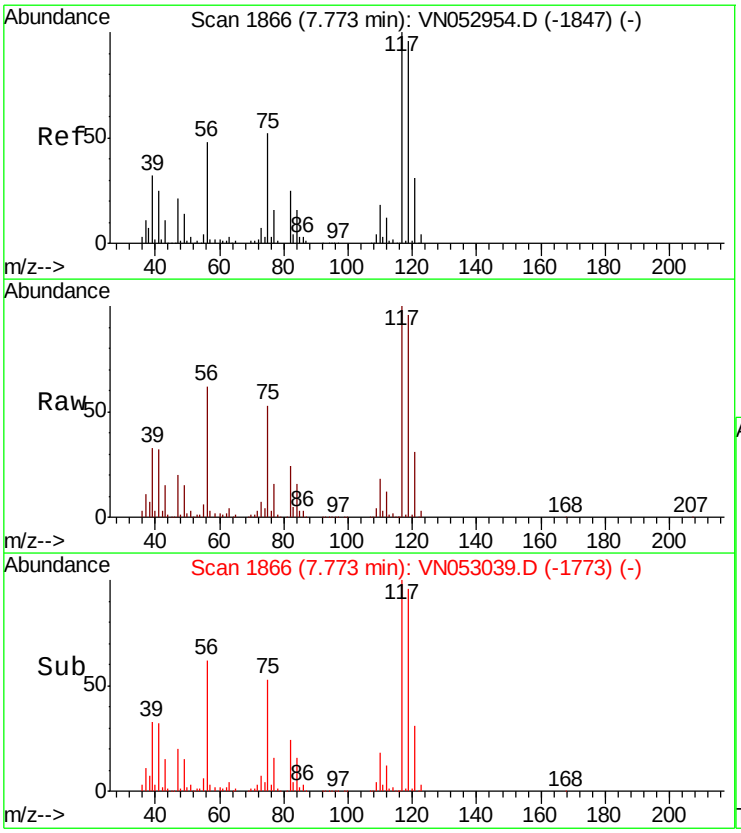

#37
Ethyl Acetate
Concen: 56.677 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 452817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 15.7 | 11.8 | 17.6 |
| 70 | 10.9 | 8.4 | 12.6 |

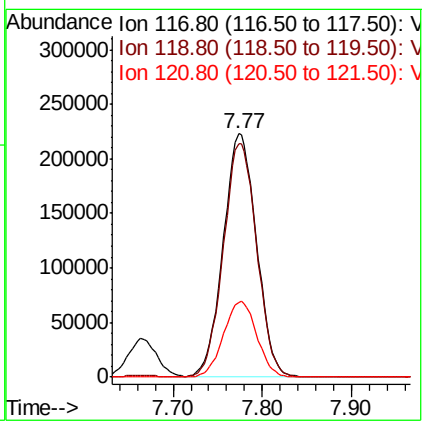


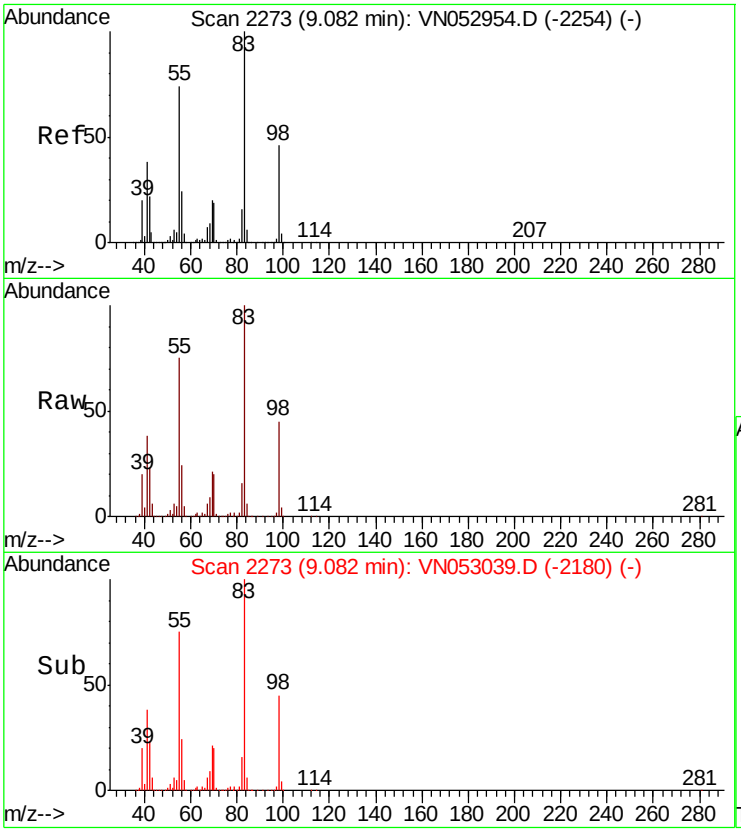




#38
Carbon Tetrachloride
Concen: 43.708 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:117 Resp: 573362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 77.1 | 115.7 |
| 121 | 30.8 | 24.9 | 37.3 |



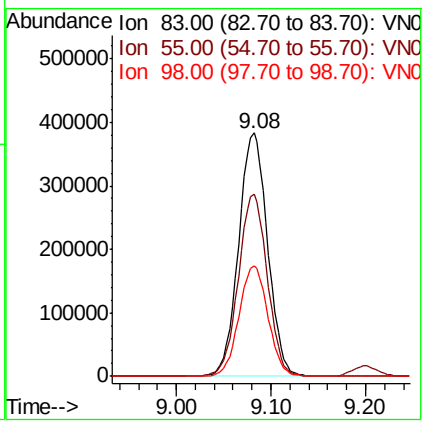


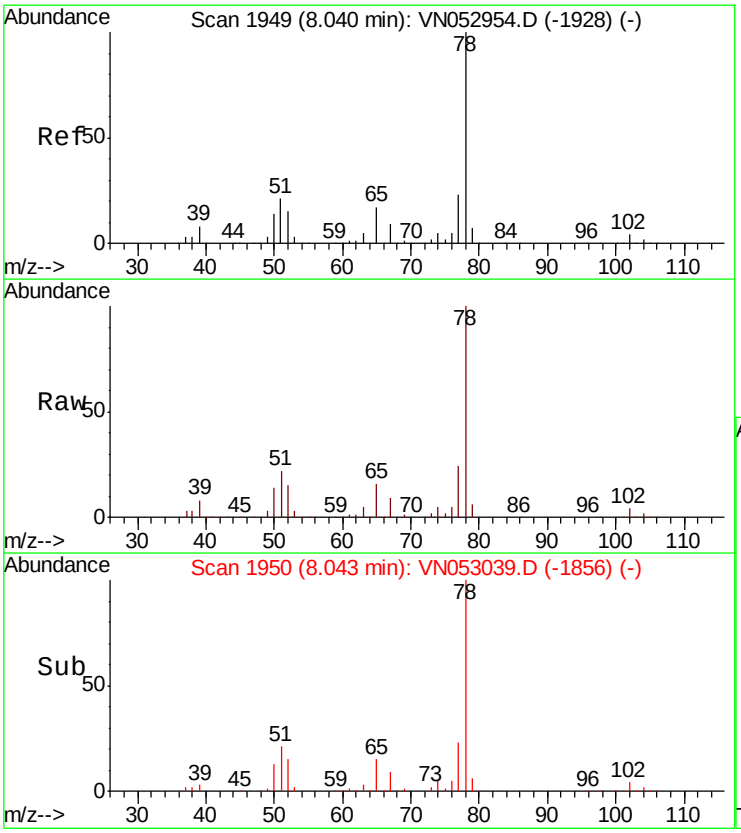

#39
Methylcyclohexane
Concen: 46.913 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 83 Resp: 815609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.5 | 61.3 | 91.9 |
| 98 | 45.5 | 37.0 | 55.4 |

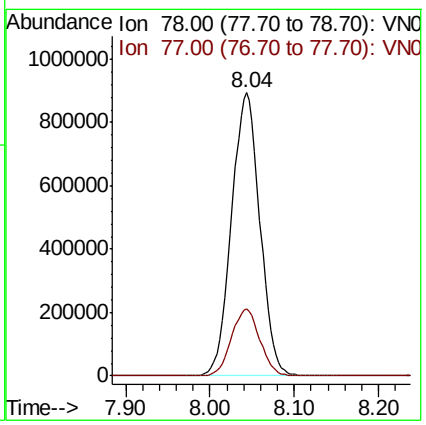


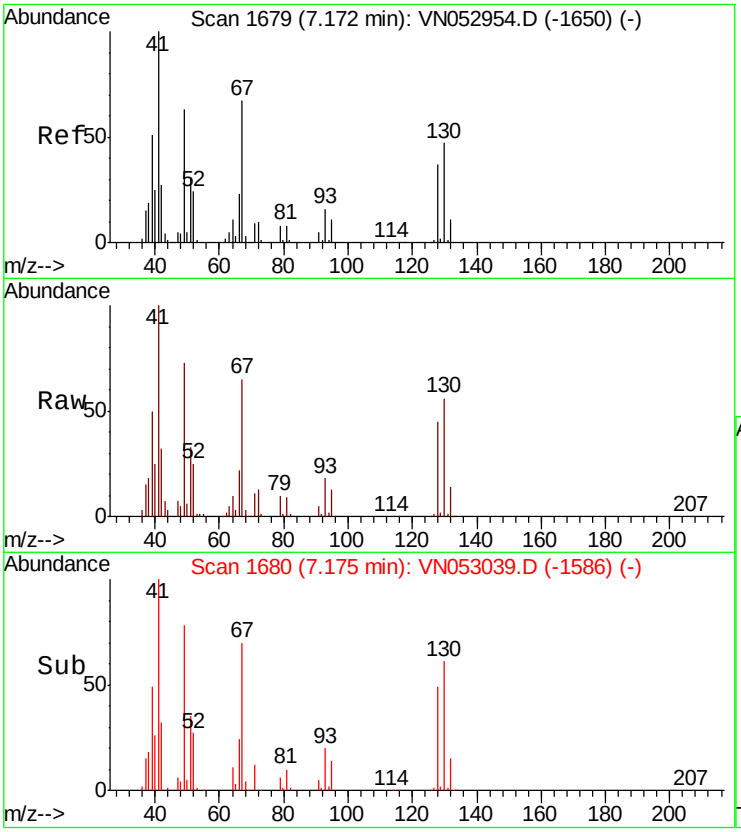




#40
Benzene
Concen: 49.203 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 78 Resp: 2094554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.5 | 27.7 |



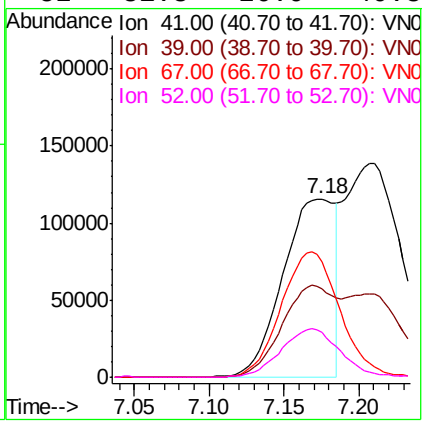


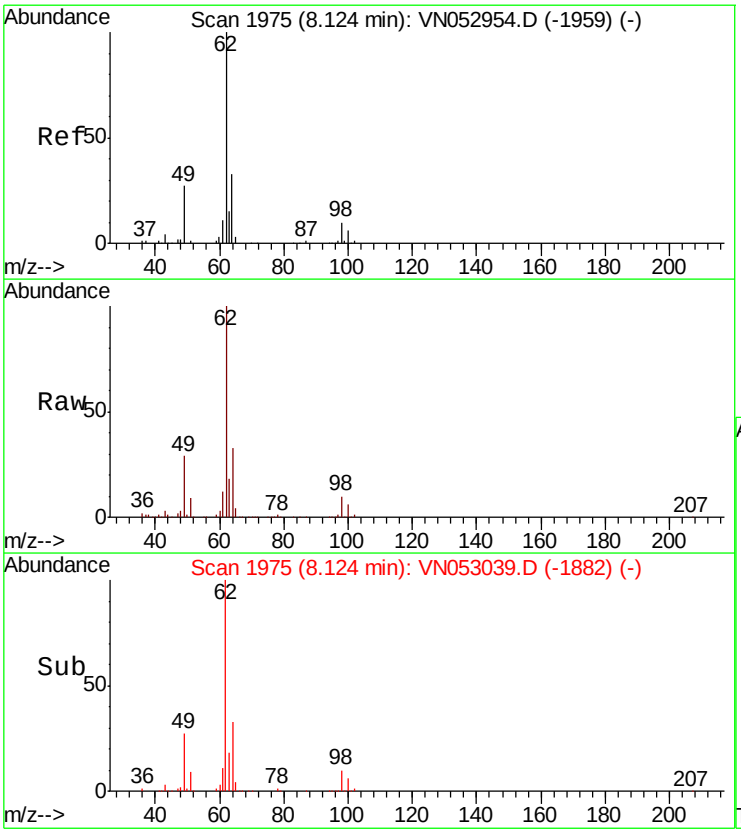

#41
Methacrylonitrile
Concen: 60.262 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 41 Resp: 278185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.1 | 48.0 | 72.0 |
| 67 | 79.7 | 70.3 | 105.5 |
| 52 | 31.3 | 26.9 | 40.3 |

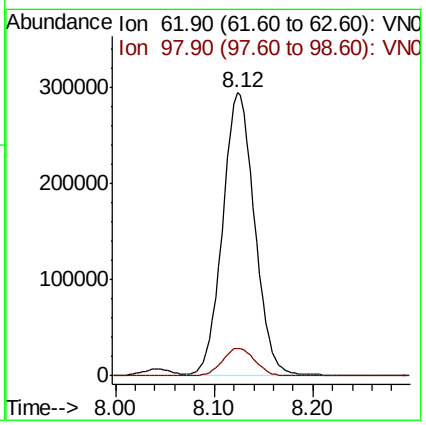


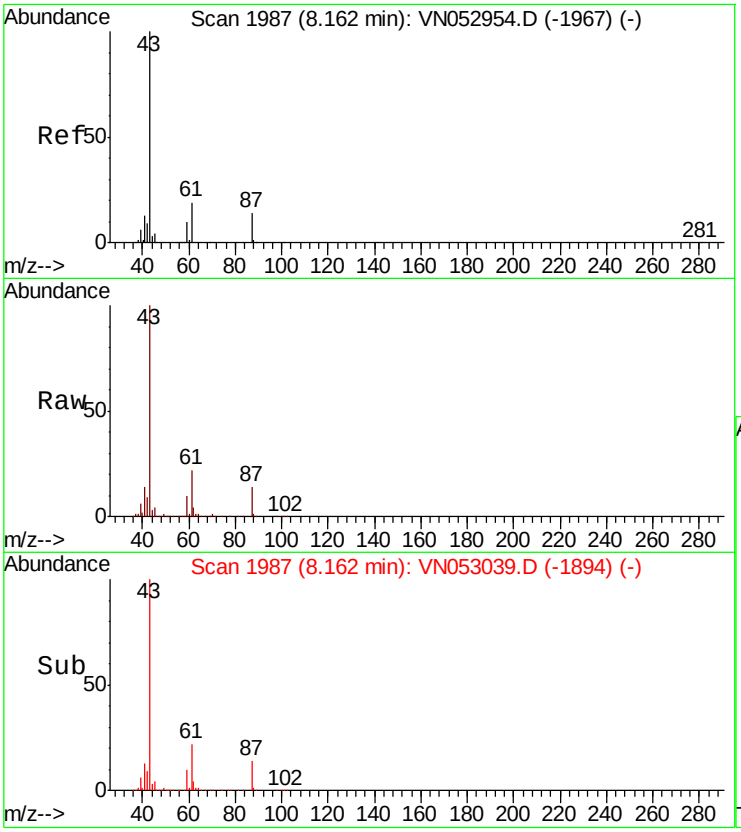




#42
1,2-Dichloroethane
Concen: 52.638 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 62 Resp: 661963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.0 | 0.0 | 19.0 |



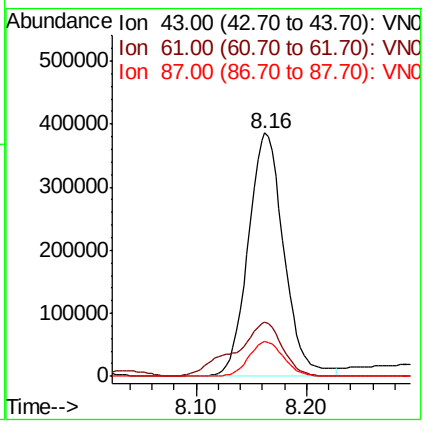


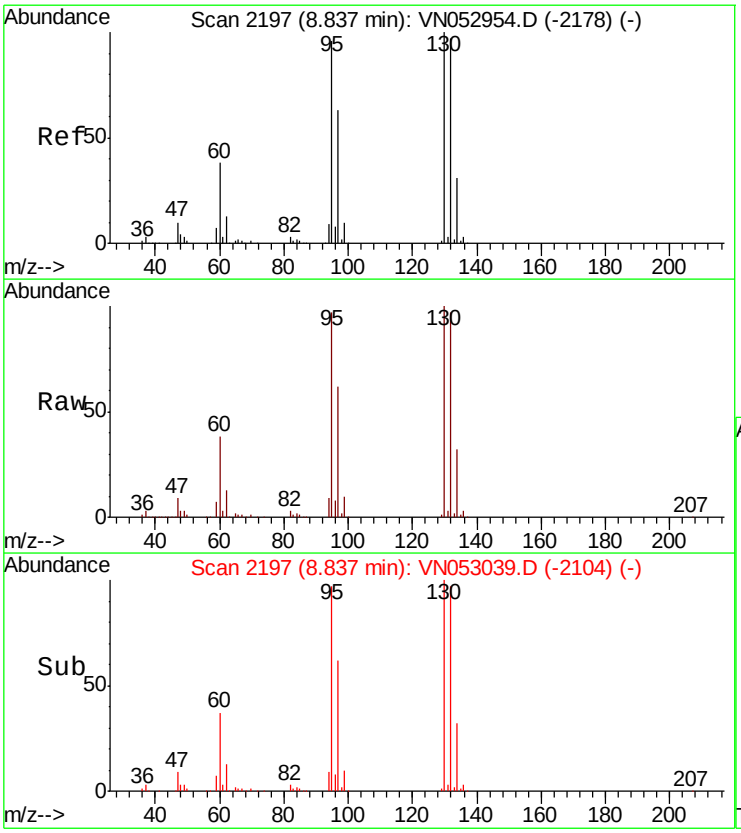

#43
Isopropyl Acetate
Concen: 55.887 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 862161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 29.0 | 22.9 | 34.3 |
| 87 | 13.9 | 10.6 | 15.8 |

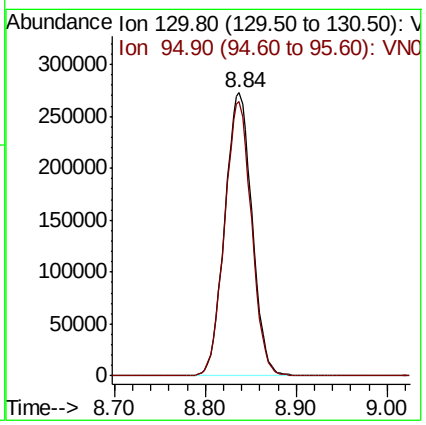


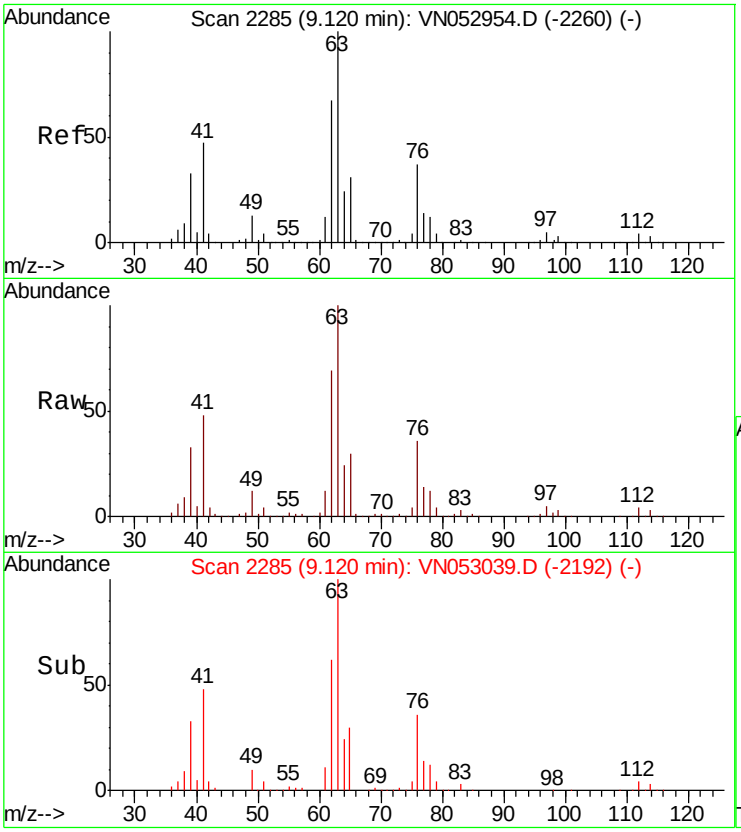




#44
Trichloroethene
Concen: 45.985 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:130 Resp: 566200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.8 | 0.0 | 197.8 |



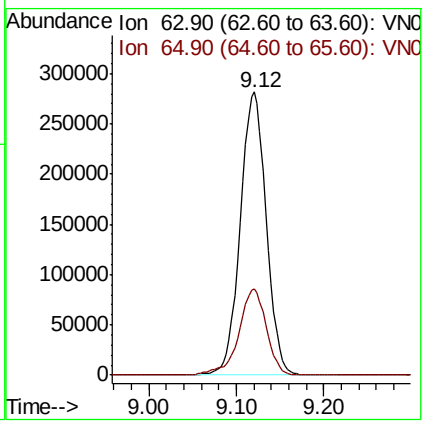


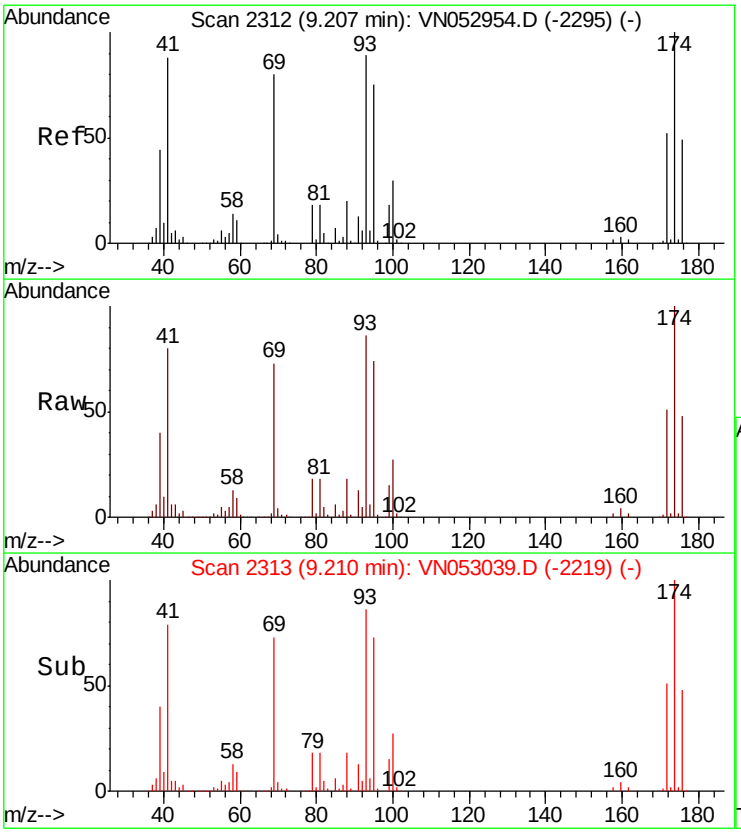

#45
1,2-Dichloropropane
Concen: 52.297 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 63 Resp: 579879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.6 | 37.0 |

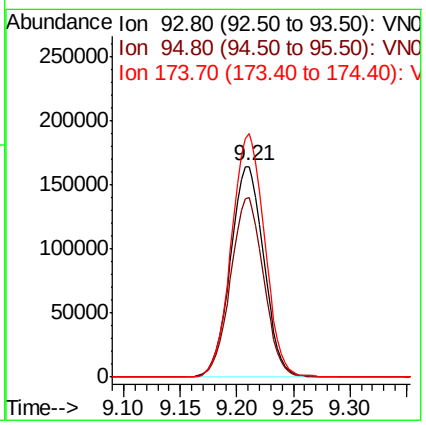


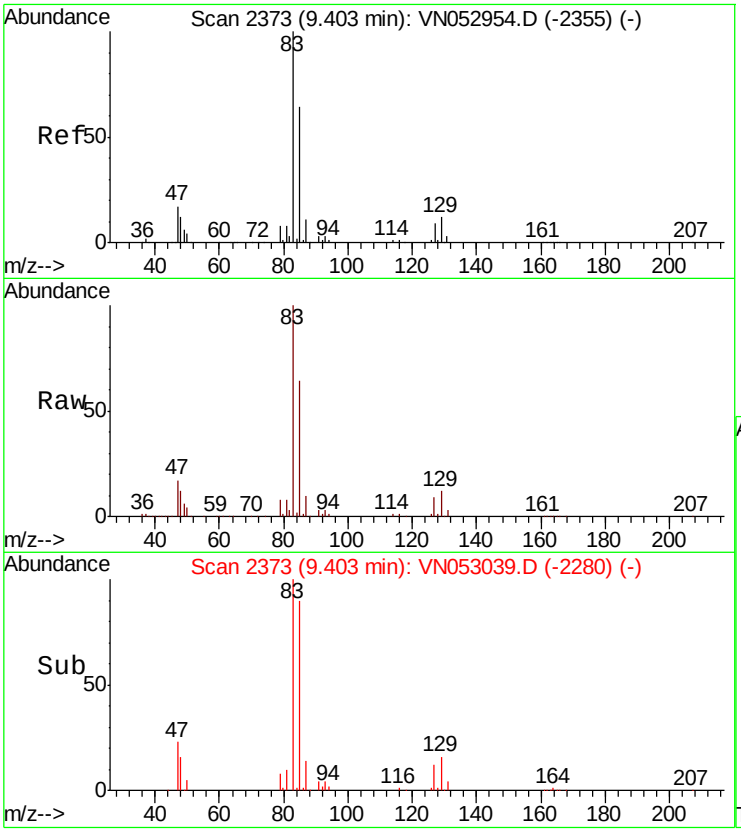




#46
Dibromomethane
Concen: 52.319 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 93 Resp: 337948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 67.8 | 101.6 |
| 174 | 115.0 | 89.0 | 133.4 |



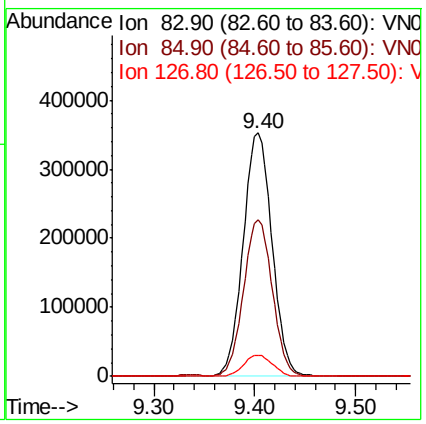


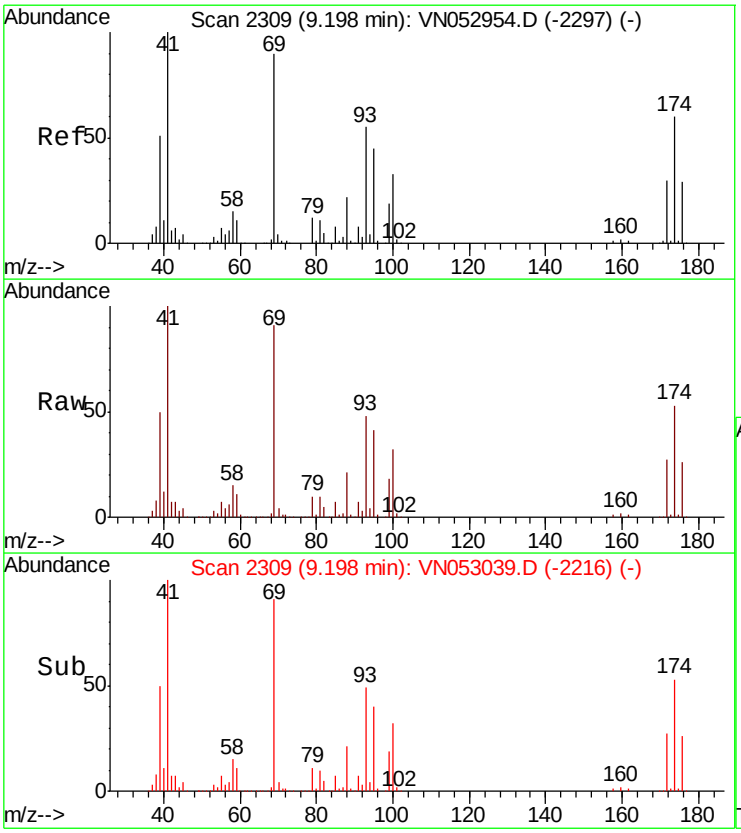

#47
Bromodichloromethane
Concen: 50.708 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 83 Resp: 696248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.1 | 51.6 | 77.4 |
| 127 | 8.8 | 7.1 | 10.7 |

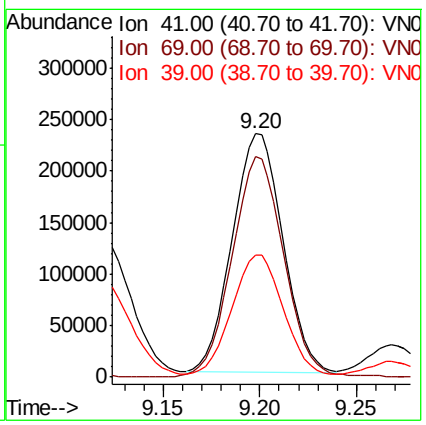


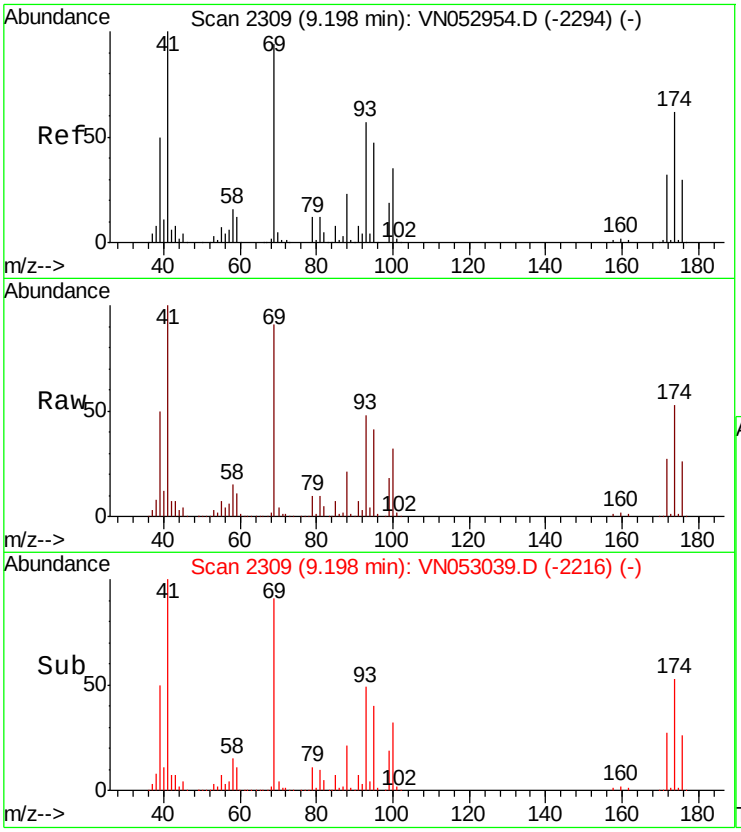




#48
Methyl methacrylate
Concen: 54.613 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 41 Resp: 423396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 93.4 | 72.2 | 108.2 |
| 39 | 52.2 | 41.9 | 62.9 |



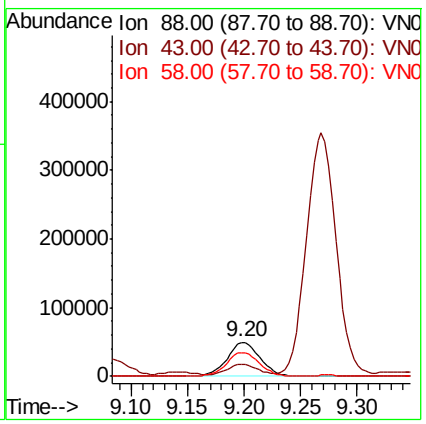


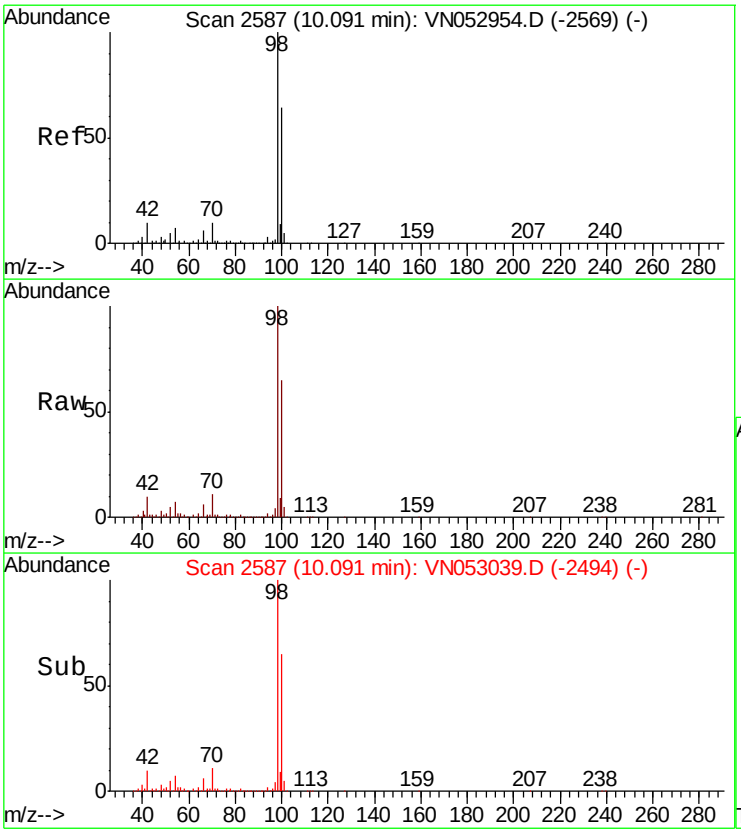

#49
1,4-Dioxane
Concen: 1026.751 ug/l
RT: 9.20 min  Scan# 2309
Delta R.T.  -0.00 min
Lab File:  VN053039.D
Acq: 20 Dec 2018  4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 88 Resp:  100692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 25.5 | 26.6 | 40.0# |
| 58 | 69.3 | 58.4 | 87.6 |

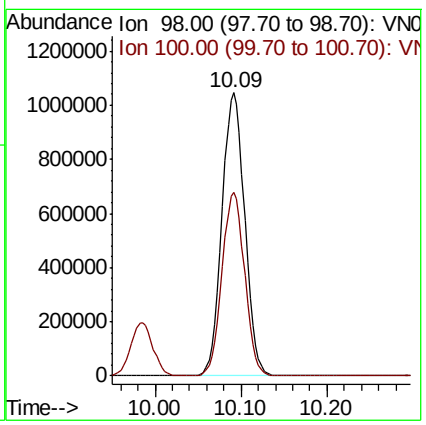


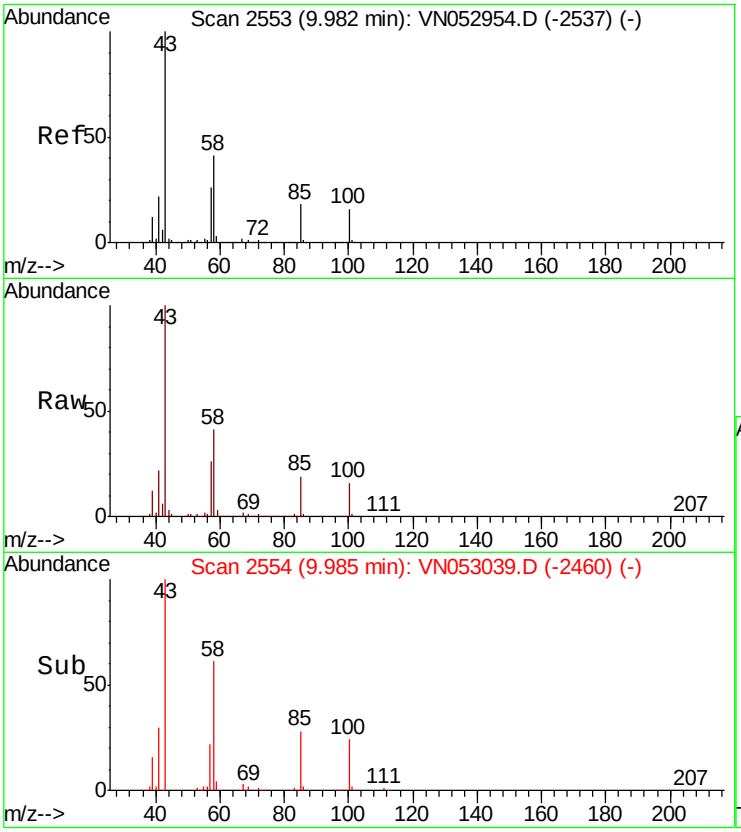




#50
Toluene-d8
Concen: 1026.751 ug/l
RT: 10.09 min  Scan# 2587
Delta R.T.  -0.00 min
Lab File:  VN053039.D
Acq: 20 Dec 2018  4:37

Tgt Ion: 98 Resp: 1923956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.6 | 77.4 |



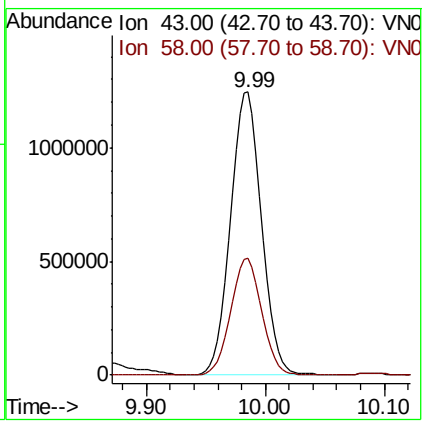


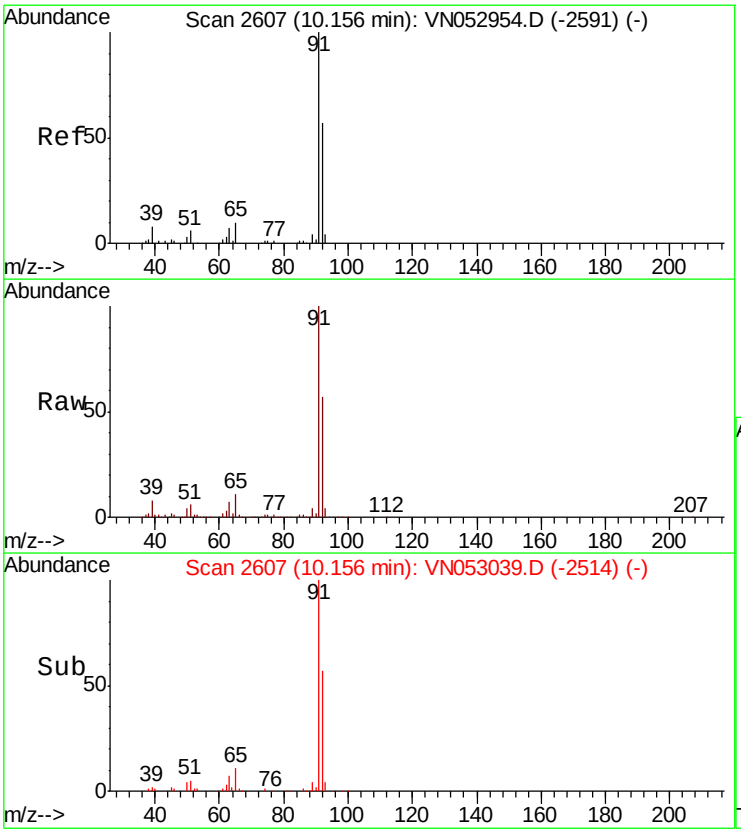

#51
4-Methyl-2-Pentanone
Concen: 289.840 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 2242536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.3 | 32.2 | 48.4 |

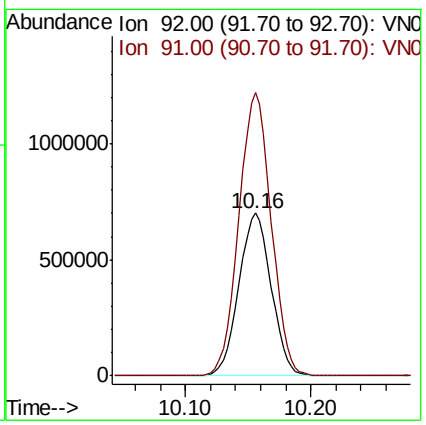


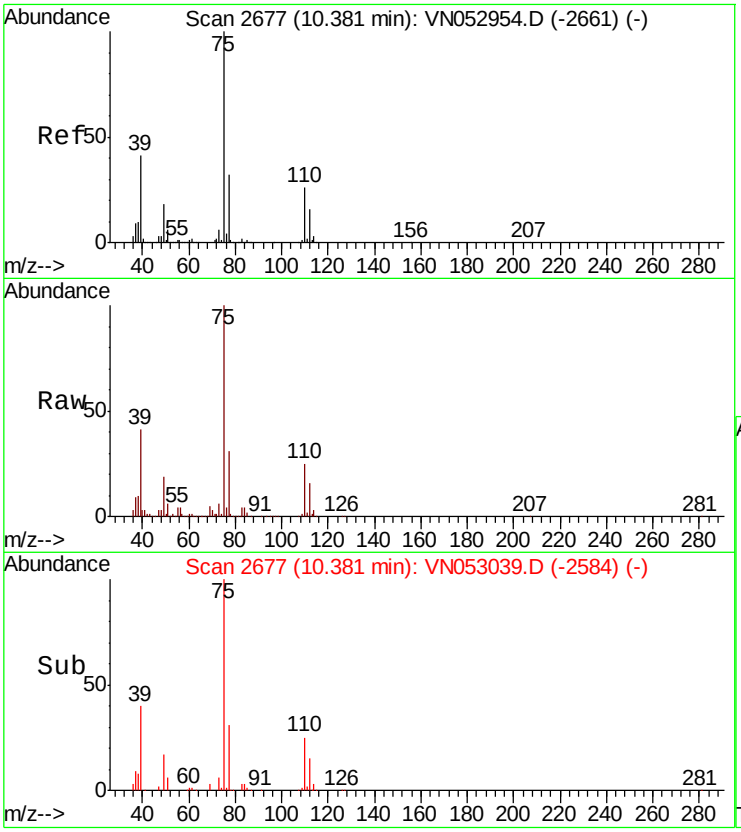




#52
Toluene
Concen: 47.604 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 92 Resp: 1256079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.5 | 139.8 | 209.6 |



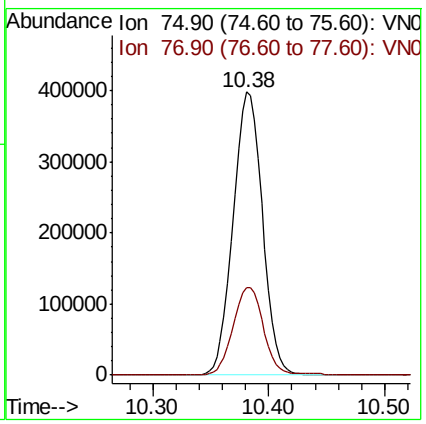


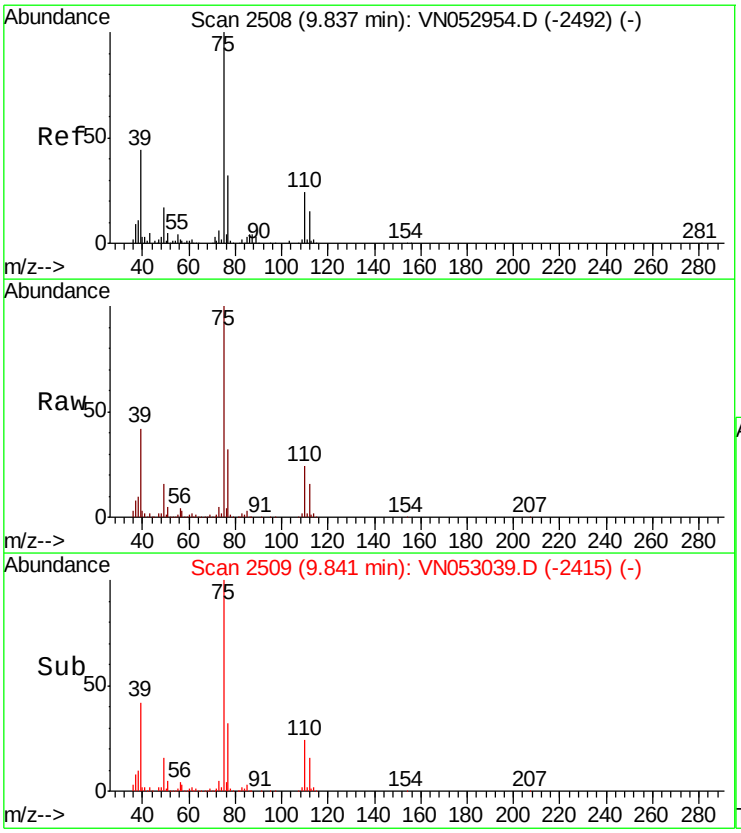

#53
t-1,3-Dichloropropene
Concen: 48.252 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion: 75 Resp: 696664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 25.6 | 38.4 |

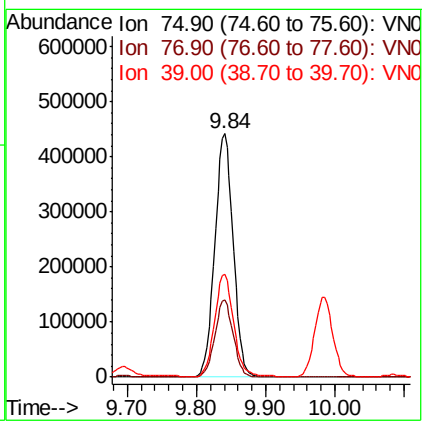


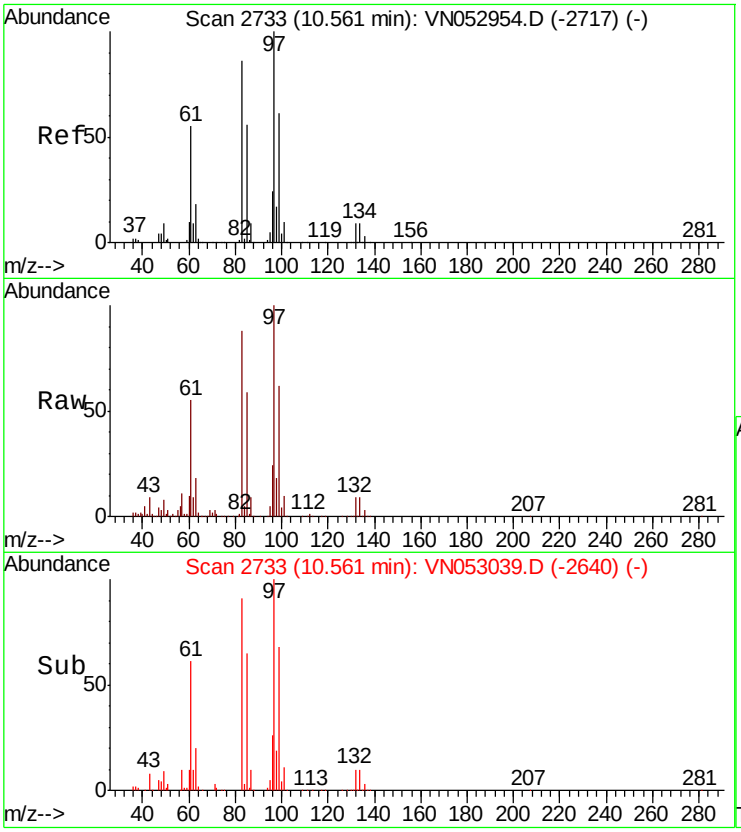




#54
cis-1,3-Dichloropropene
Concen: 49.005 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 812140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.8 | 38.8 |
| 39 | 42.0 | 34.8 | 52.2 |



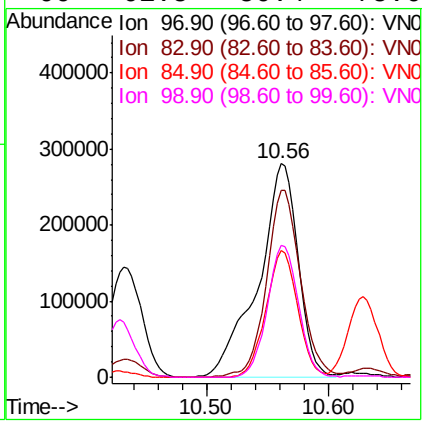


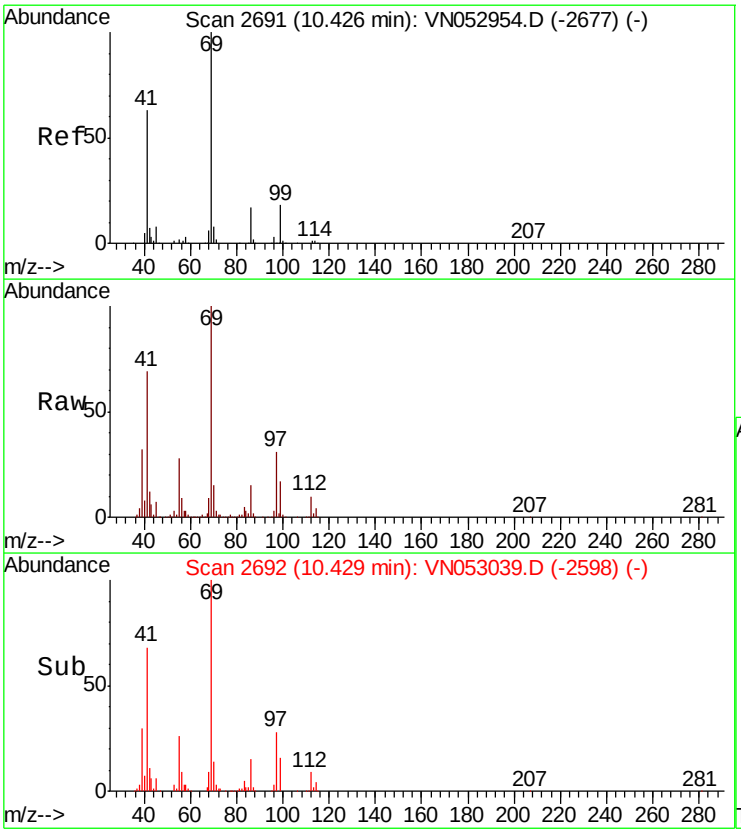

#55
1,1,2-Trichloroethane
Concen: 69.637 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 97 Resp: 641019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.6 | 70.9 | 106.3 |
| 85 | 59.3 | 45.4 | 68.2 |
| 99 | 61.5 | 50.4 | 75.6 |

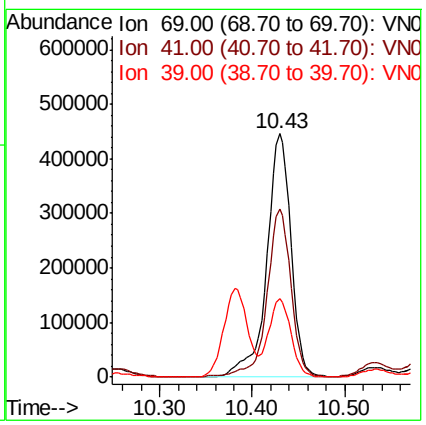


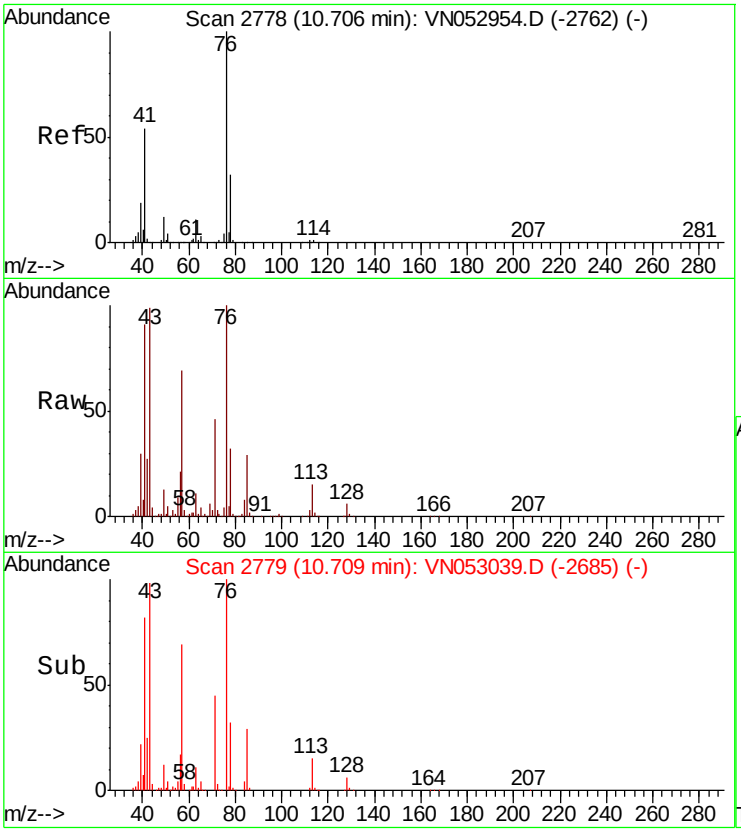




#56
Ethyl methacrylate
Concen: 66.803 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 69 Resp: 813919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.2 | 51.7 | 77.5 |
| 39 | 29.4 | 24.6 | 37.0 |



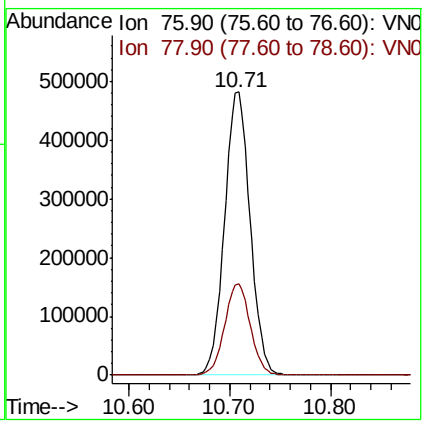


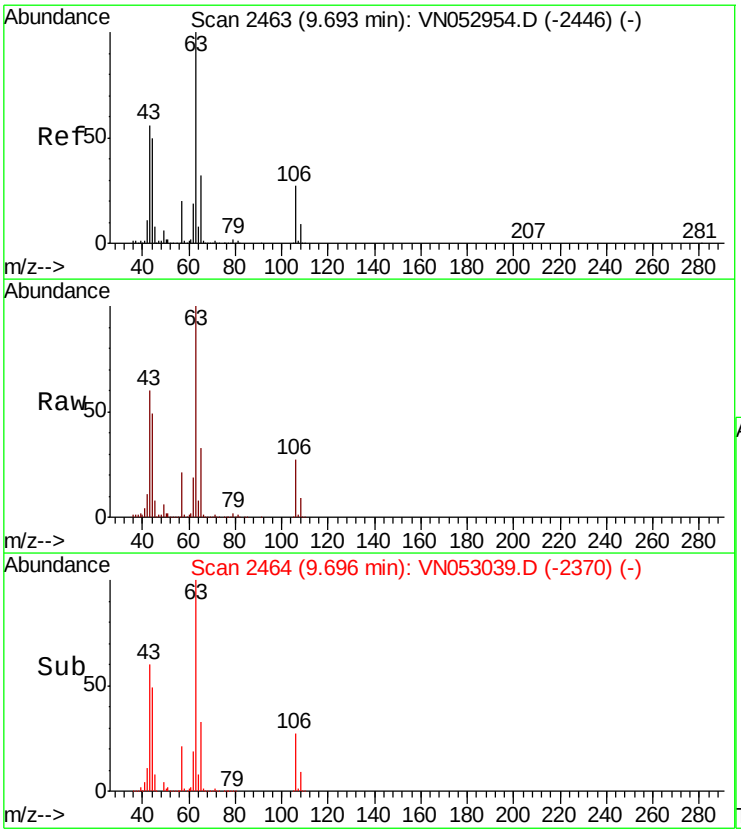

#57
1,3-Dichloropropane
Concen: 54.055 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 76 Resp: 853275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 25.8 | 38.8 |

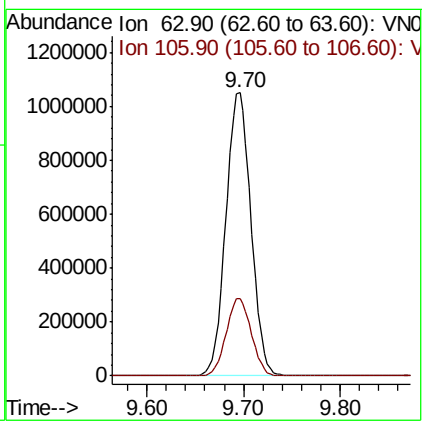


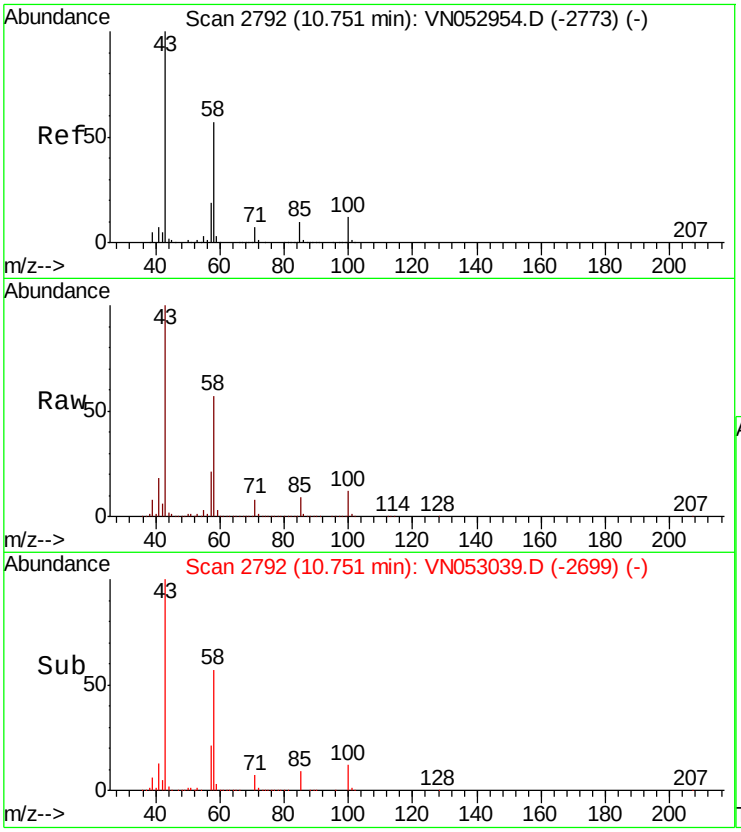




#58
2-Chloroethyl Vinyl ether
Concen: 282.717 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 63 Resp: 1891081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.3 | 21.0 | 31.6 |



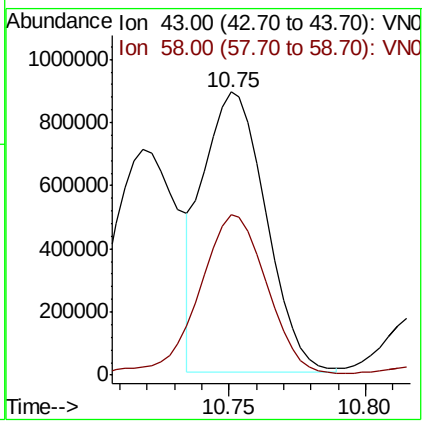


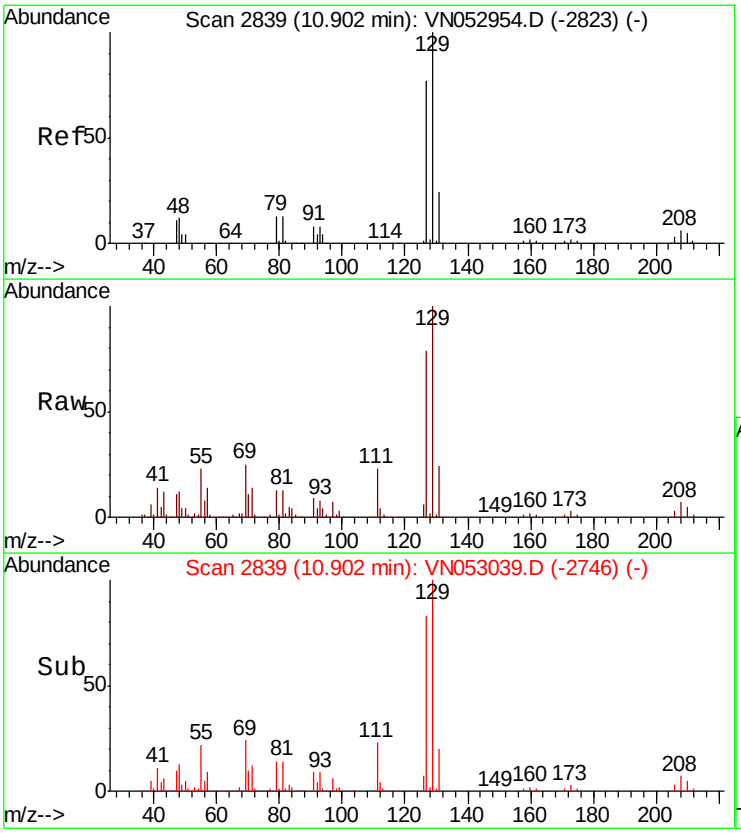

#59
2-Hexanone
Concen: 270.583 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 43 Resp: 1416455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 62.8 | 28.1 | 84.3 |

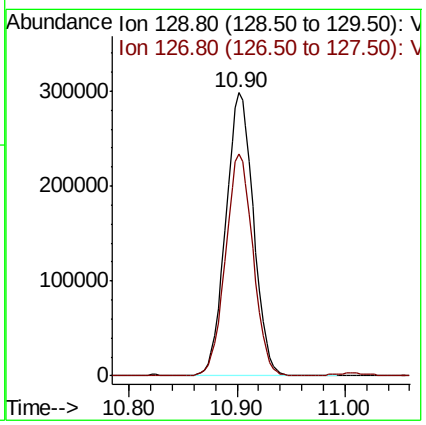


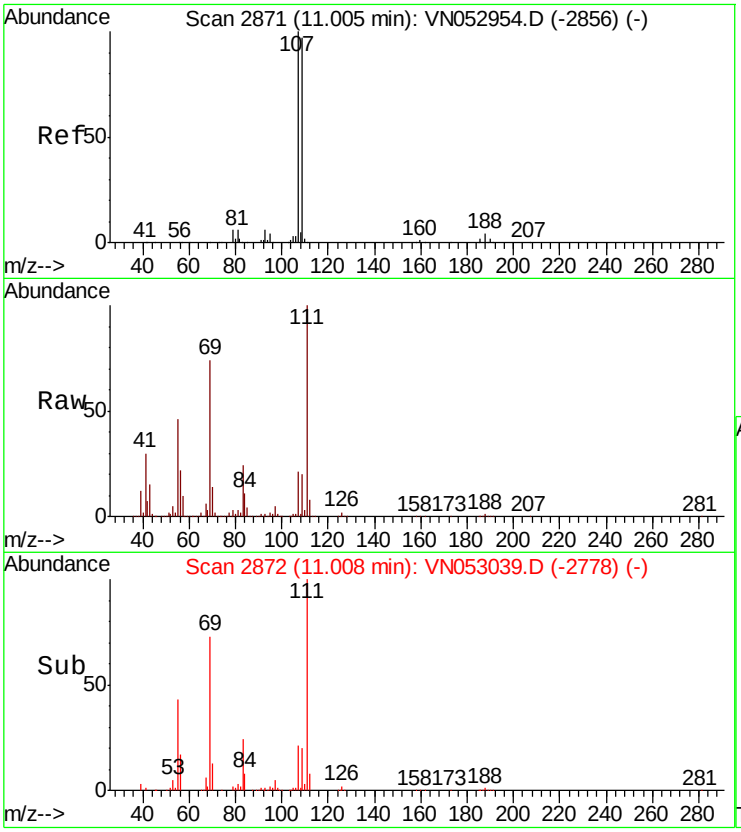




#60
Dibromochloromethane
Concen: 50.720 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:129 Resp: 534438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.6 | 116.0 |



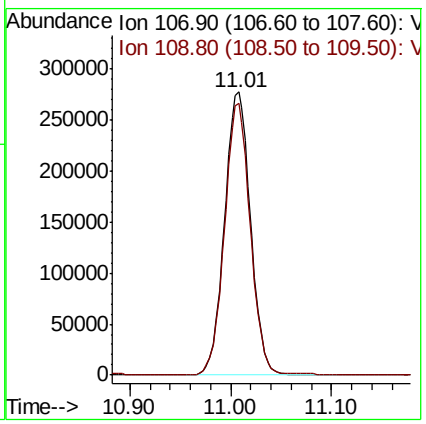


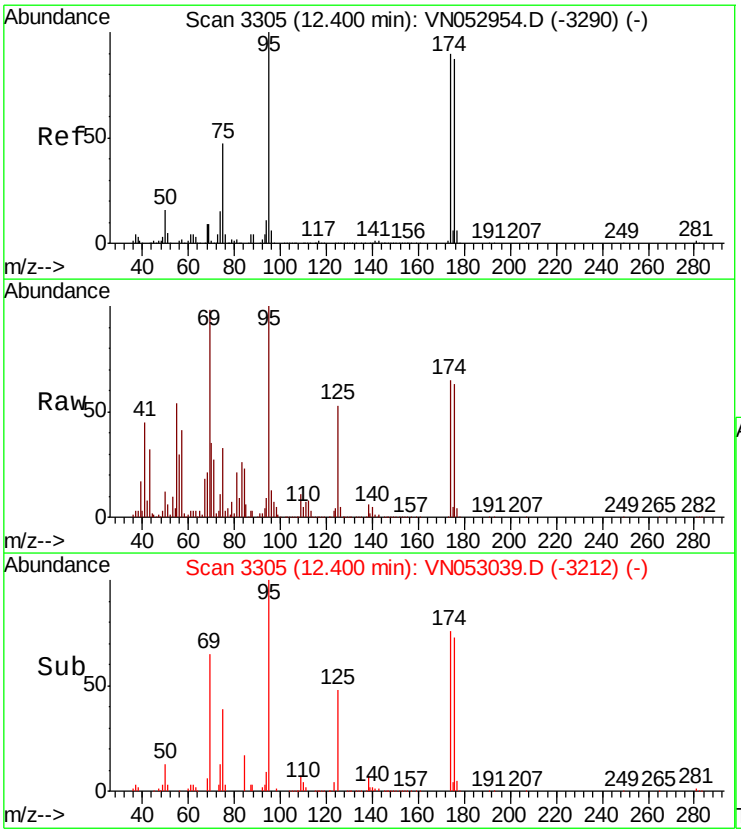

#61
1,2-Dibromoethane
Concen: 53.263 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:107 Resp: 497946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.1 | 75.4 | 113.0 |

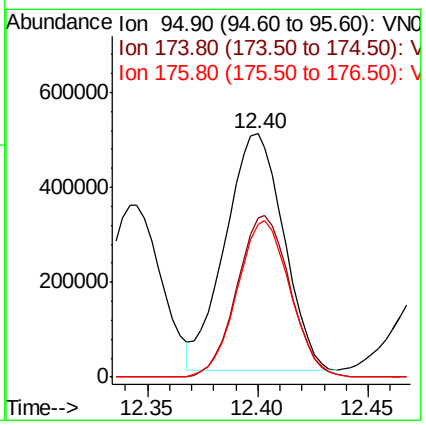


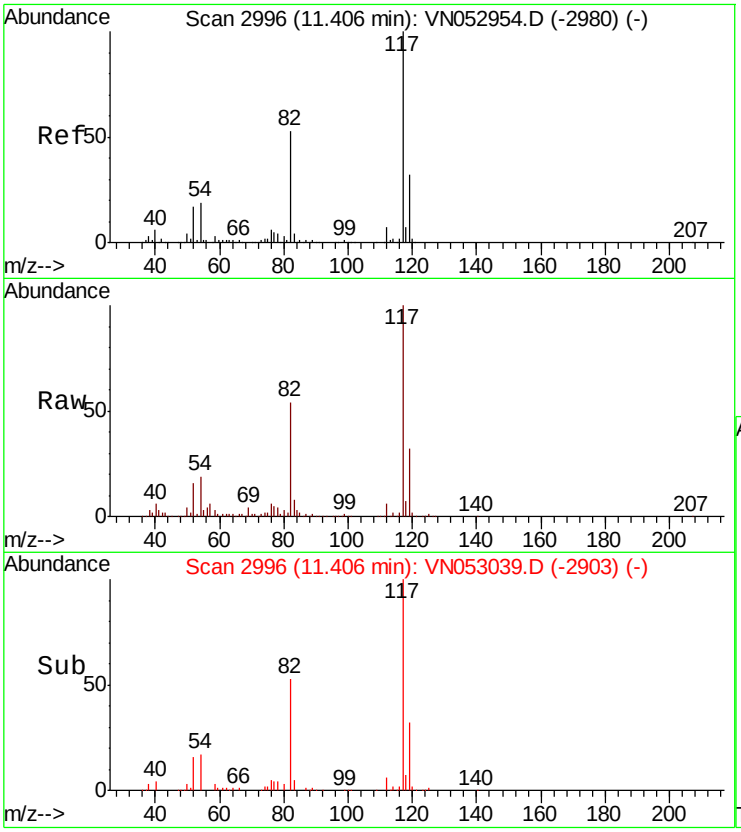




#62
4-Bromofluorobenzene
Concen: 53.263 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 95 Resp: 915735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 62.2 | 0.0 | 178.8 |
| 176 | 60.1 | 0.0 | 173.8 |



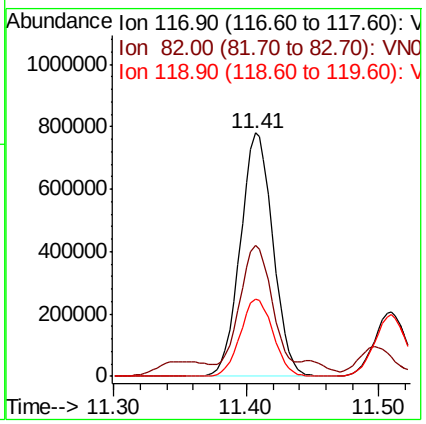


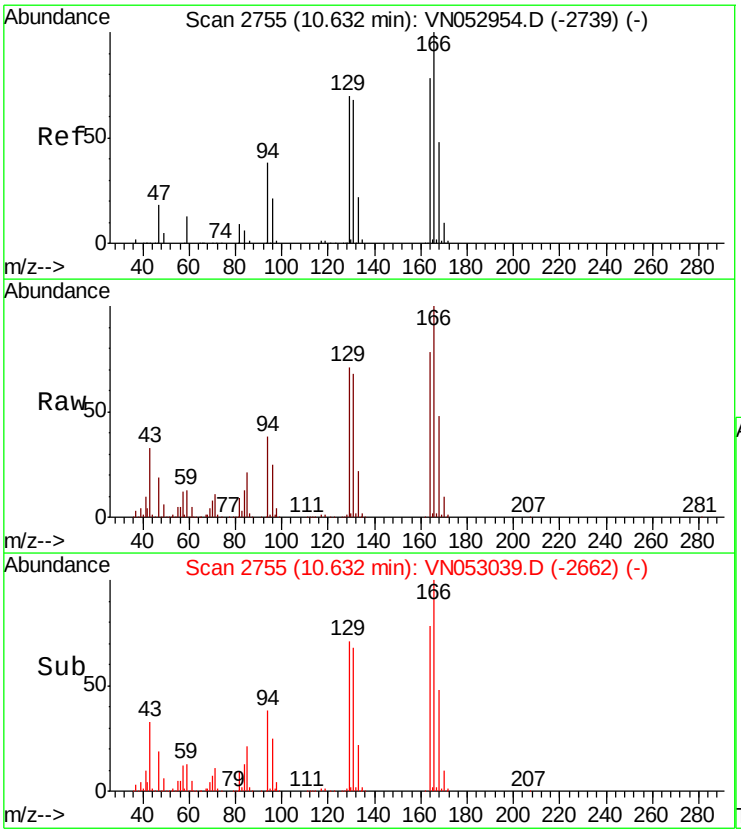

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:117 Resp: 1332611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 51.6 | 42.8 | 64.2 |
| 119 | 31.9 | 25.5 | 38.3 |

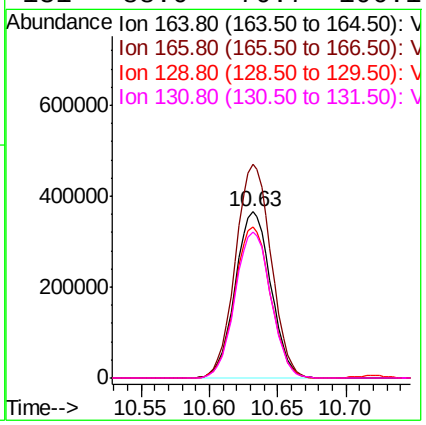


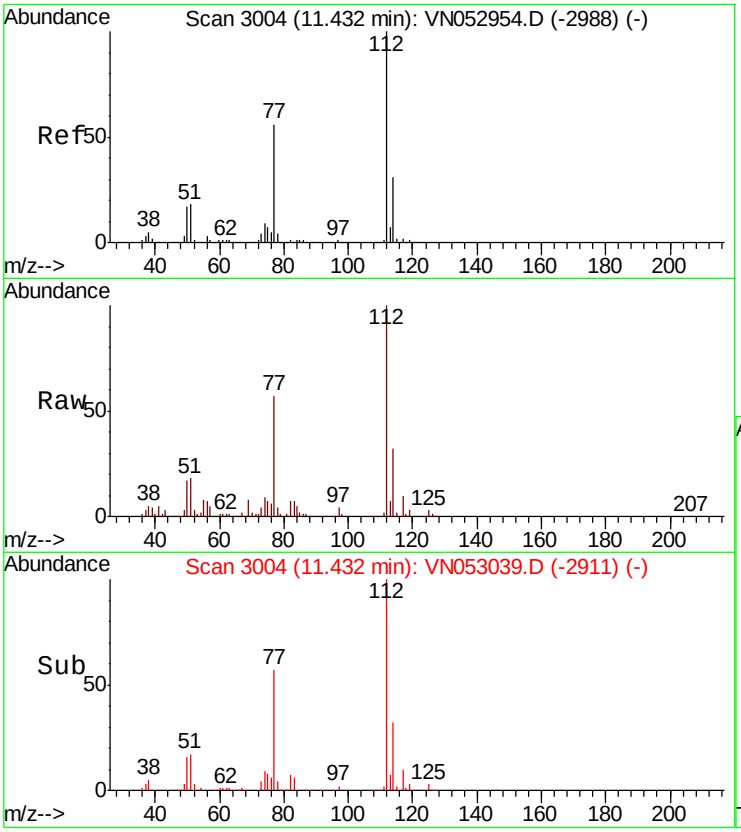




#64
Tetrachloroethene
Concen: 46.067 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:164 Resp: 664983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.6 | 102.9 | 154.3 |
| 129 | 91.1 | 73.7 | 110.5 |
| 131 | 88.0 | 70.7 | 106.1 |



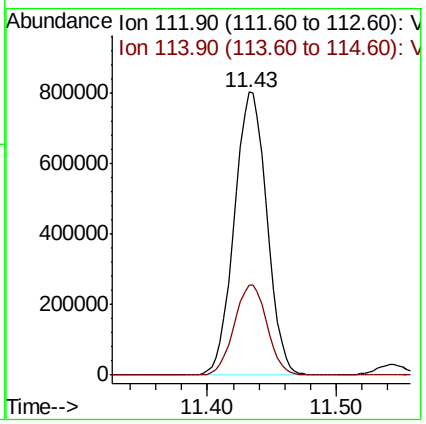


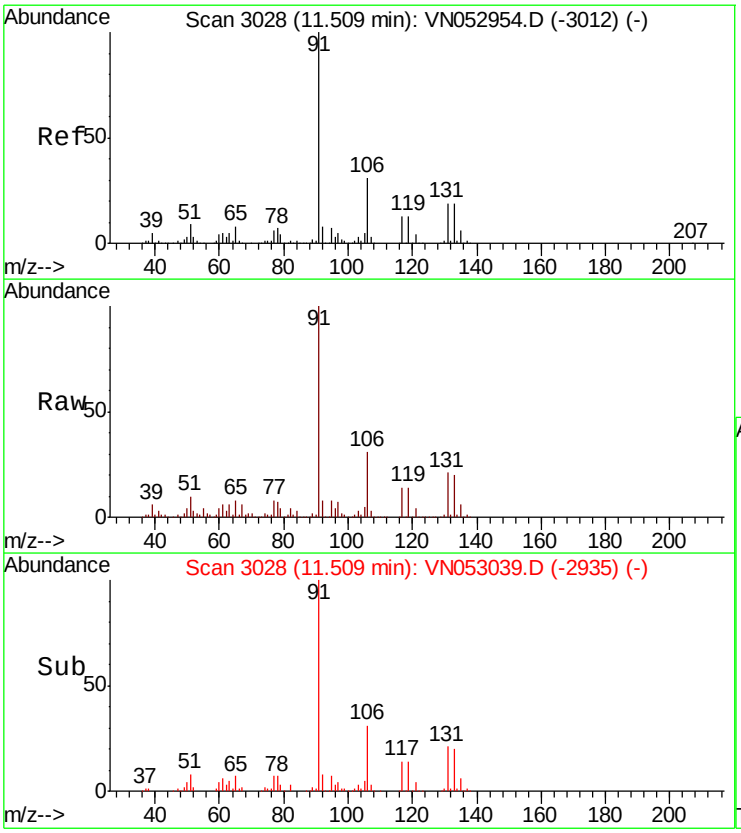

#65
Chlorobenzene
Concen: 47.685 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:112 Resp: 1408615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.5 | 38.3 |

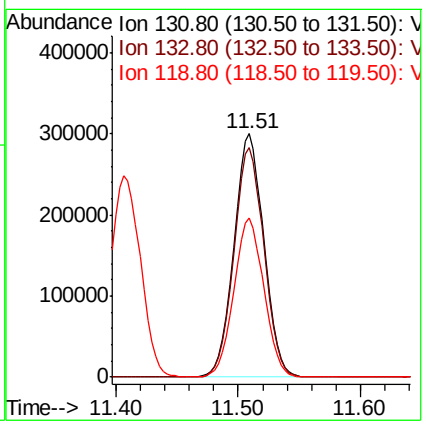


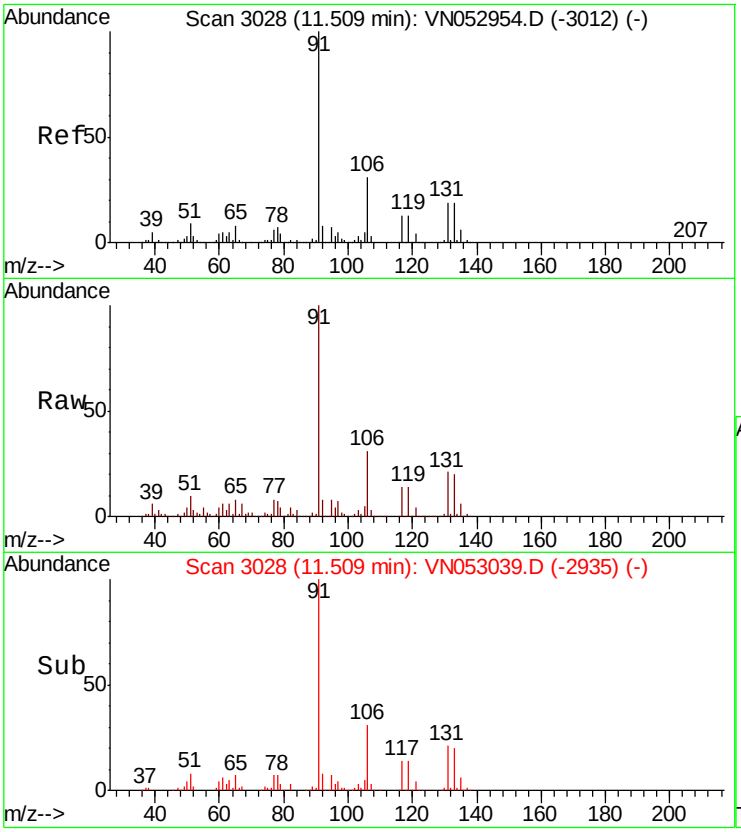




#66
1,1,1,2-Tetrachloroethane
Concen: 49.371 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:131 Resp: 507163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.6 | 142.9 |
| 119 | 65.7 | 33.3 | 99.8 |



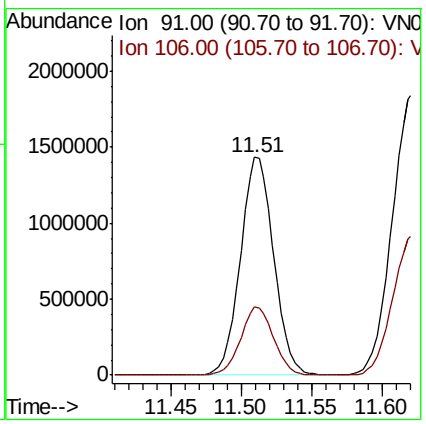


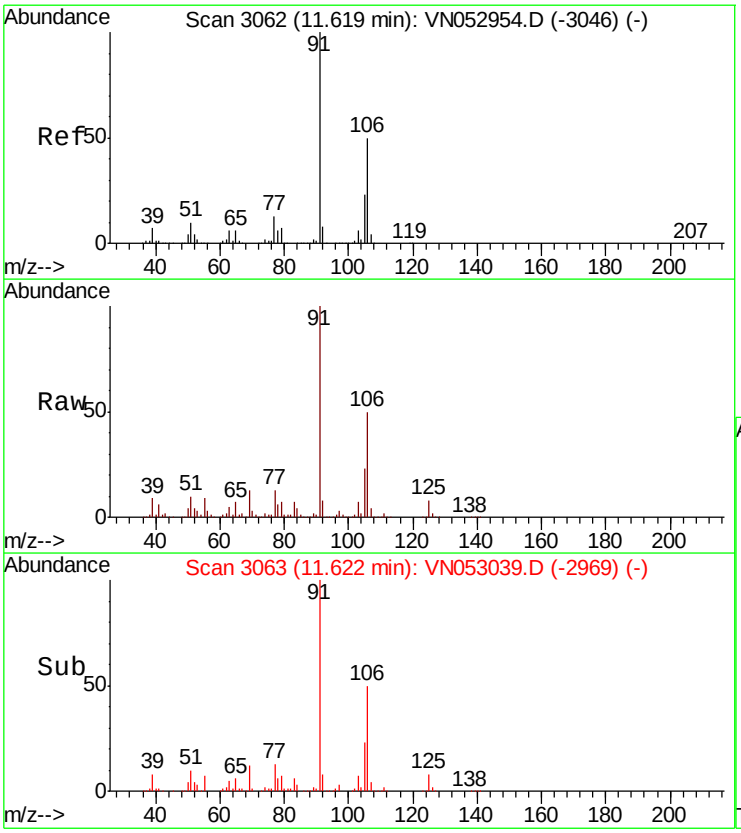

#67
Ethyl Benzene
Concen: 46.681 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 91 Resp: 2371472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 24.9 | 37.3 |

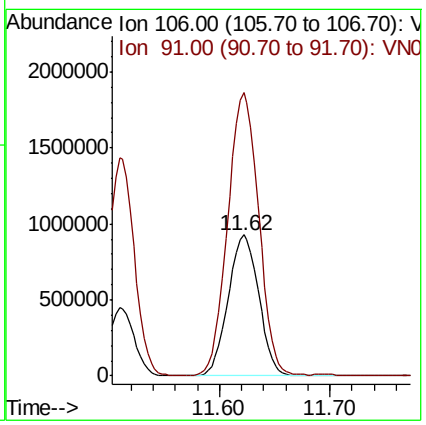


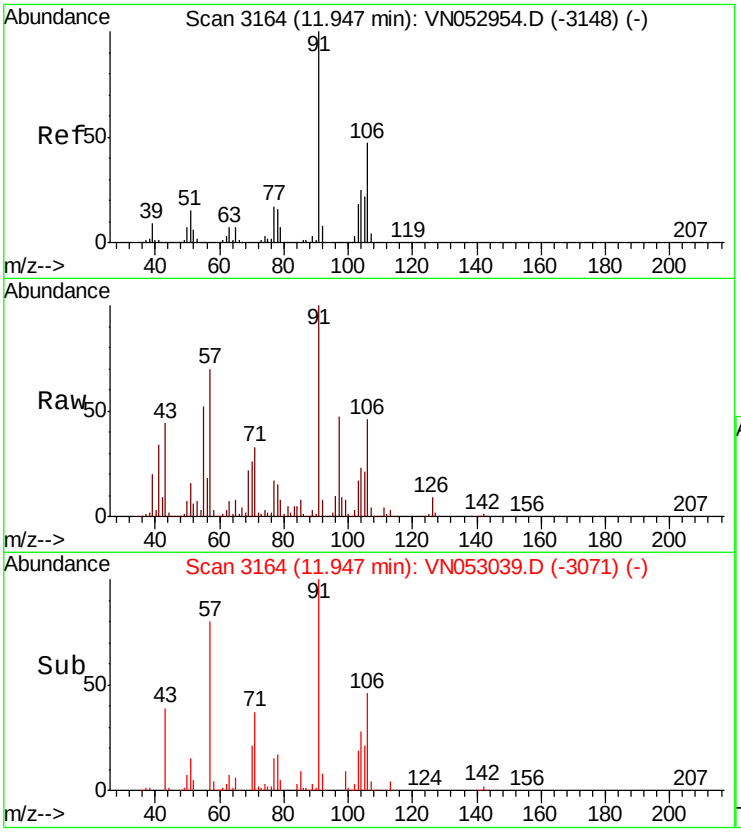




#68
m/p-Xylenes
Concen: 92.136 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:106 Resp: 1779376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 203.1 | 162.2 | 243.4 |



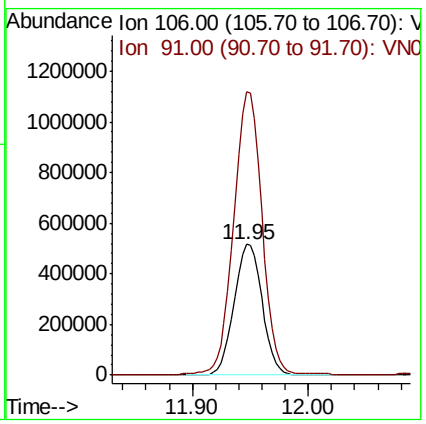


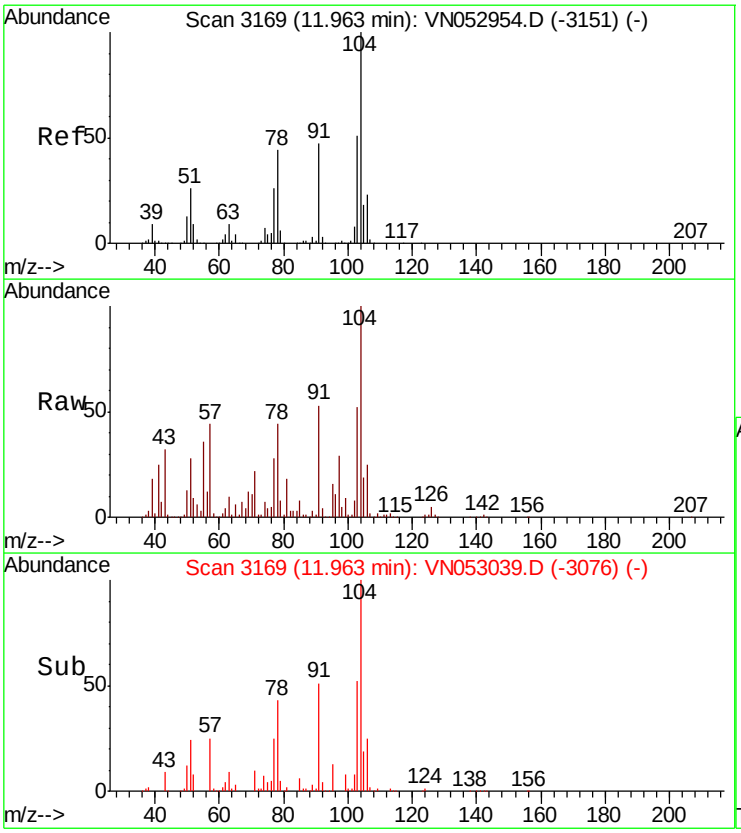

#69
o-Xylene
Concen: 46.596 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:106 Resp: 863510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.7 | 106.6 | 319.8 |

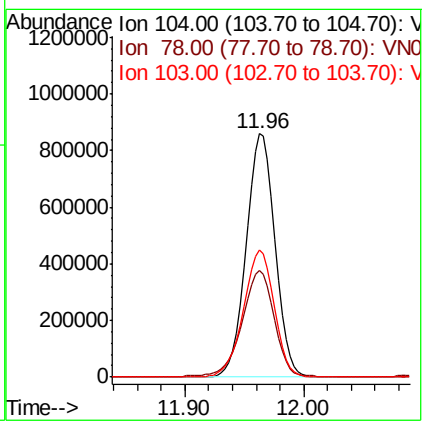


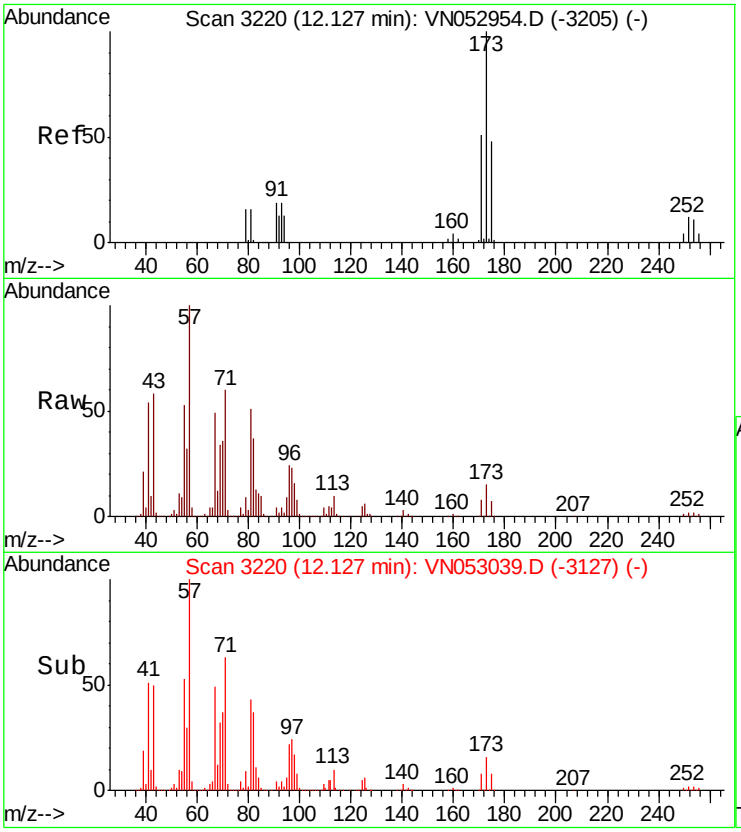




#70
Styrene
Concen: 47.579 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:104 Resp: 1437753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.5 | 38.9 | 58.3 |
| 103 | 56.0 | 44.3 | 66.5 |



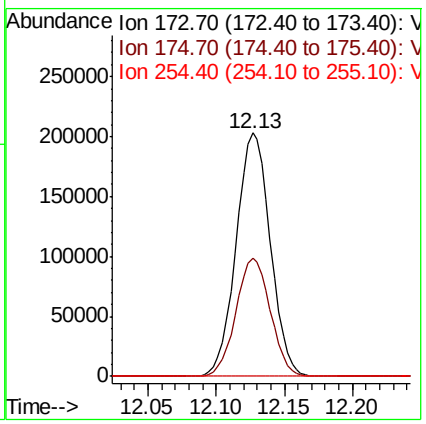


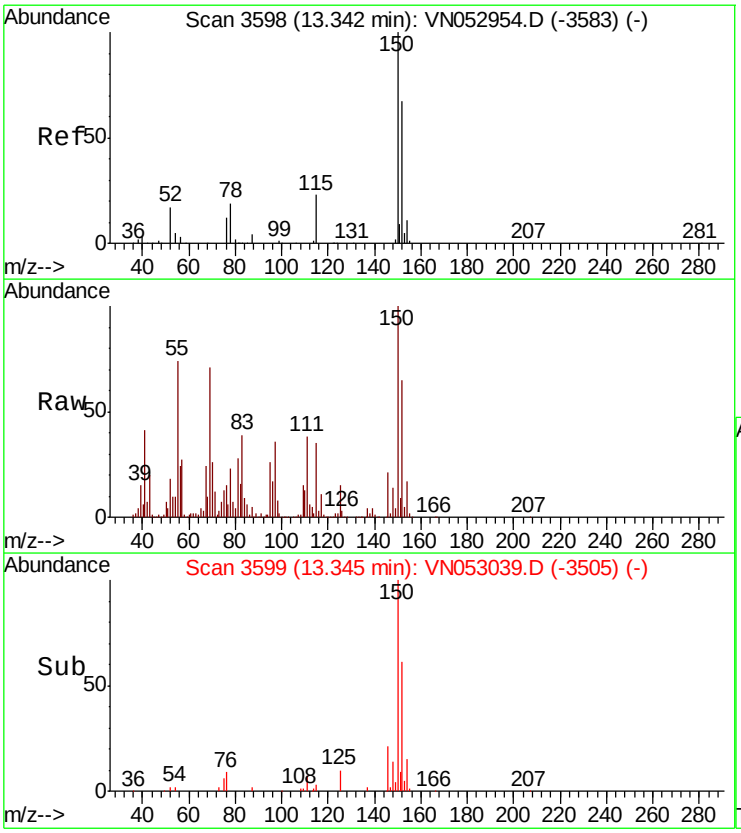

#71
Bromoform
Concen: 47.556 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:173 Resp: 352916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.3 | 72.9 |
| 254 | 0.1 | 0.1 | 0.1# |

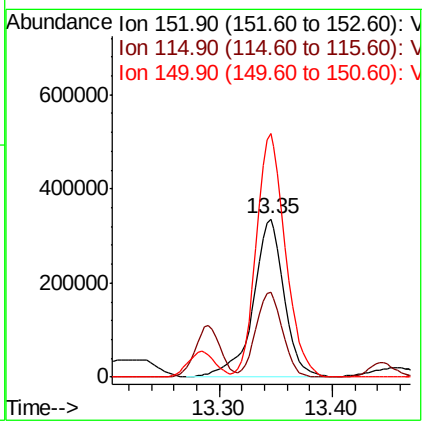


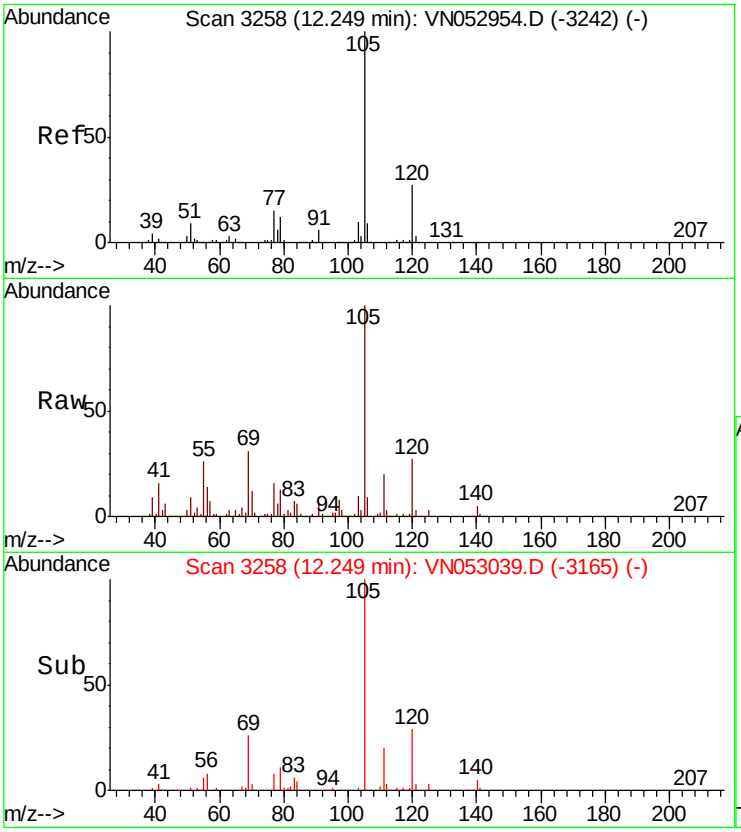




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:152 Resp: 628656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 46.5 | 28.3 | 85.0 |
| 150 | 146.3 | 0.0 | 347.8 |



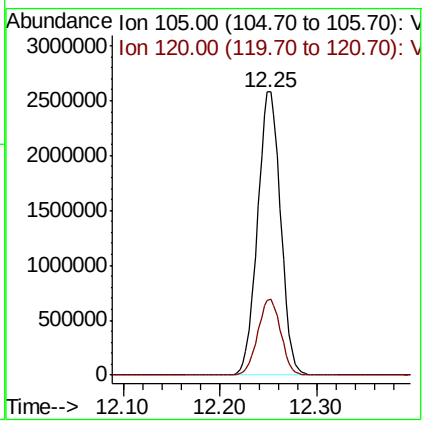


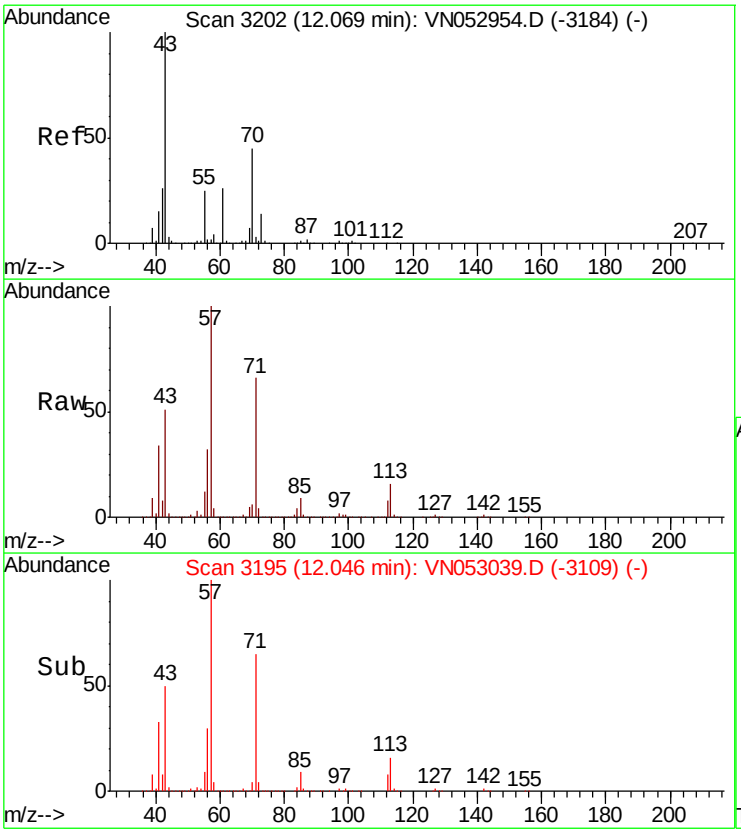

#73
Isopropylbenzene
Concen: 86.358 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:105 Resp: 4247697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.9 | 13.3 | 39.9 |

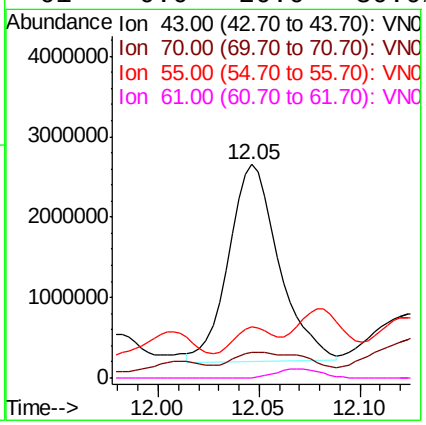


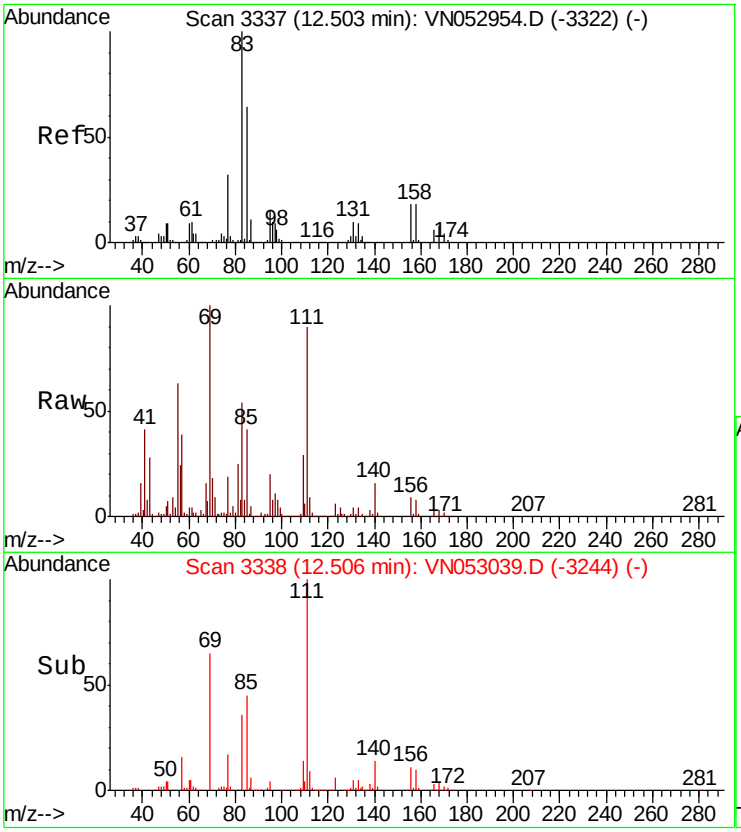




#74
N-amyl acetate
Concen: 314.903 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.02 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 43 Resp: 4300336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 9.9 | 34.2 | 51.4# |
| 55 | 12.5 | 20.3 | 30.5# |
| 61 | 0.0 | 20.0 | 30.0# |



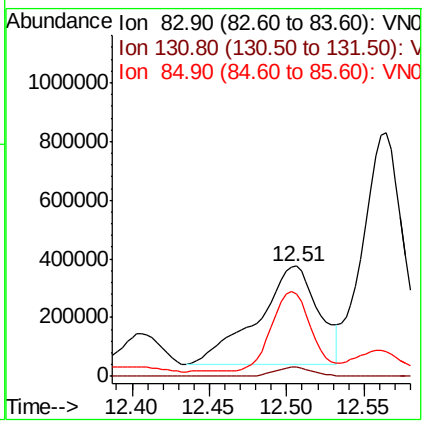


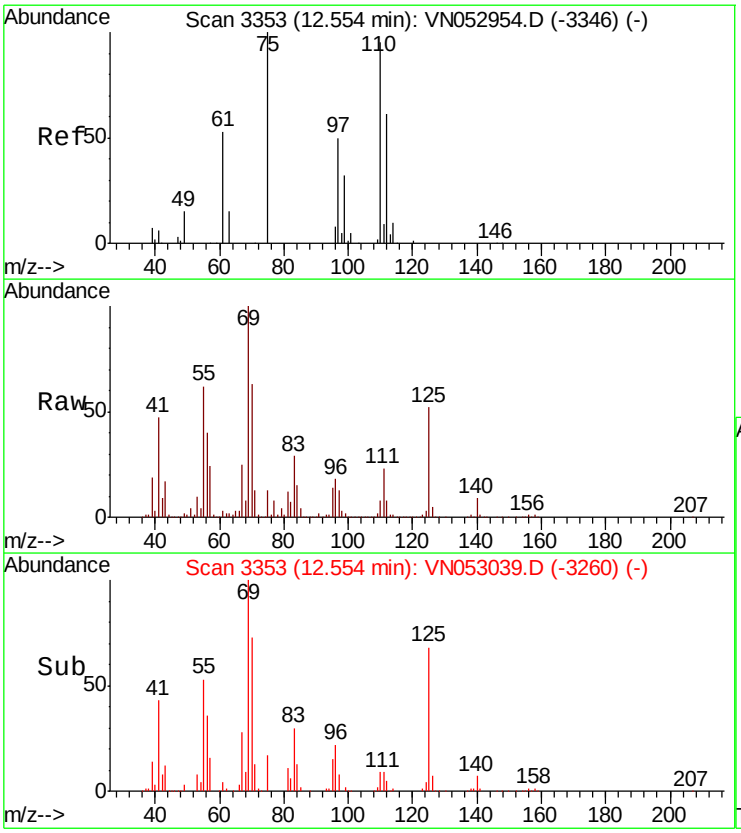

#75
1,1,2,2-Tetrachloroethane
Concen: 95.130 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 83 Resp: 917979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 5.9 | 5.2 | 15.6 |
| 85 | 53.0 | 32.4 | 97.0 |

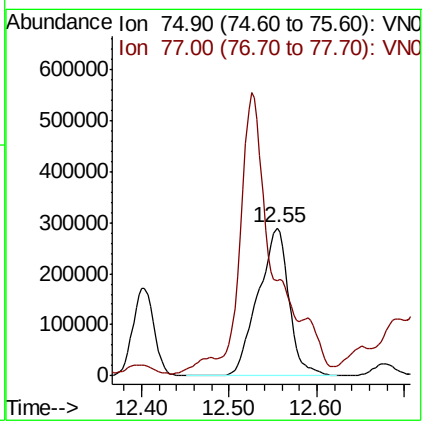


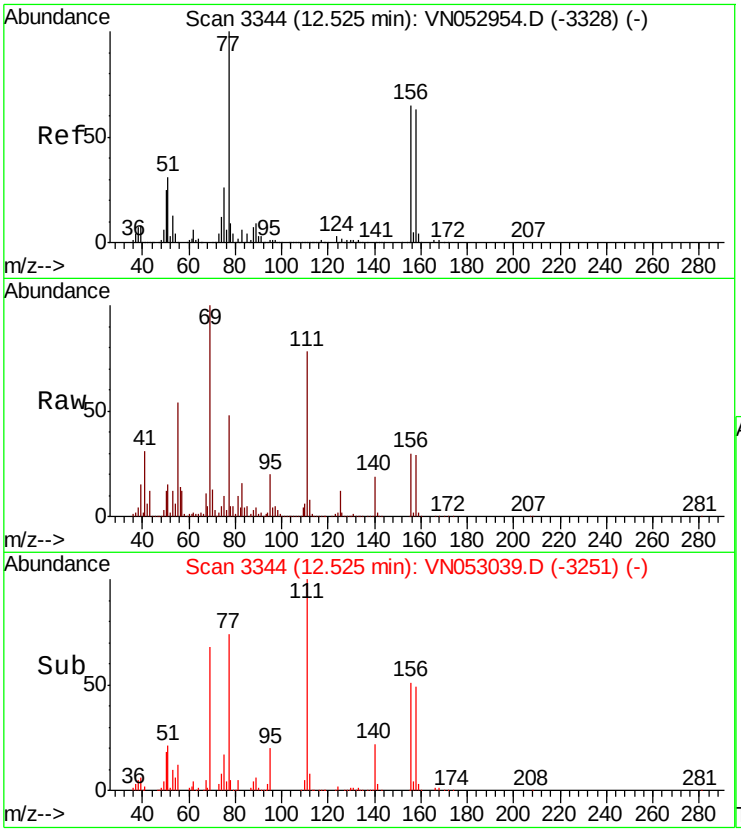




#76
1,2,3-Trichloropropane
Concen: 66.574 ug/l
RT: 12.55 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 704538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 0.0 | 0.0 |



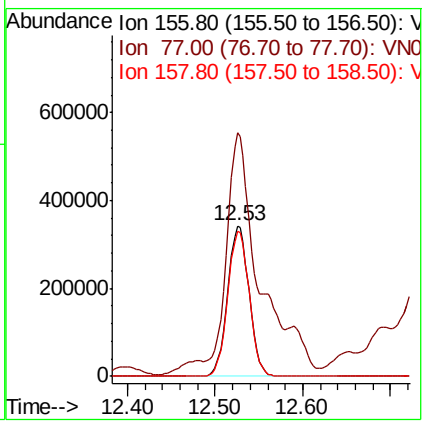


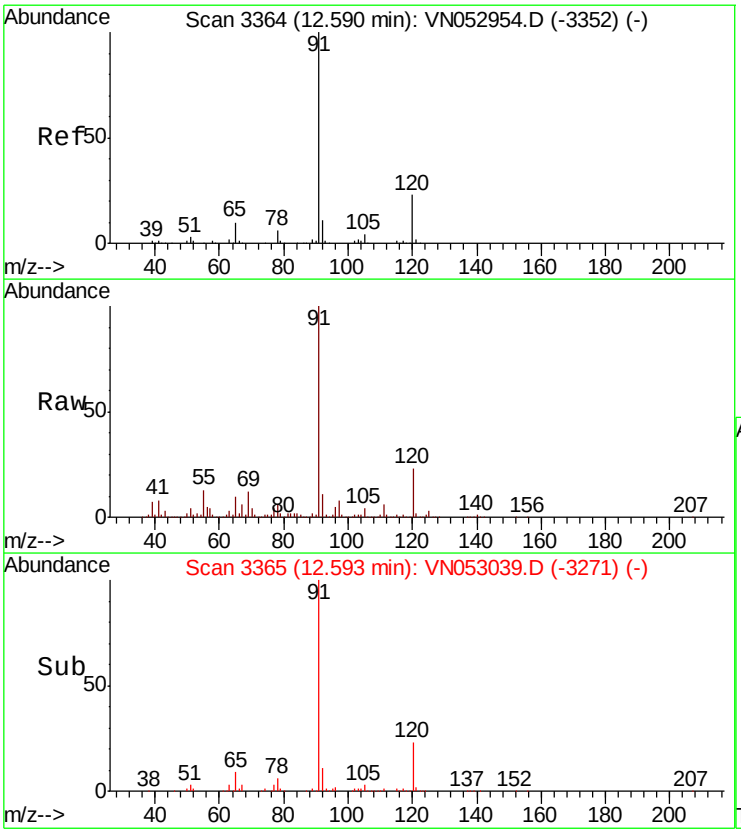

#77
Bromobenzene
Concen: 45.553 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:156 Resp: 582427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 193.7 | 91.3 | 273.8 |
| 158 | 96.3 | 49.0 | 147.2 |

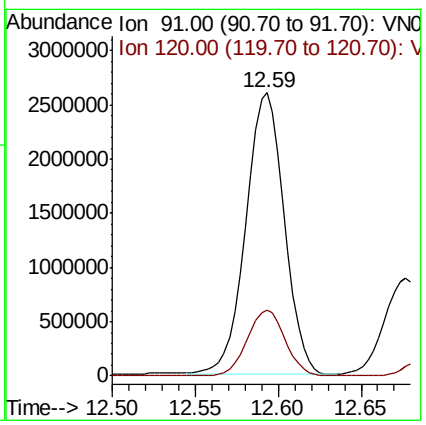


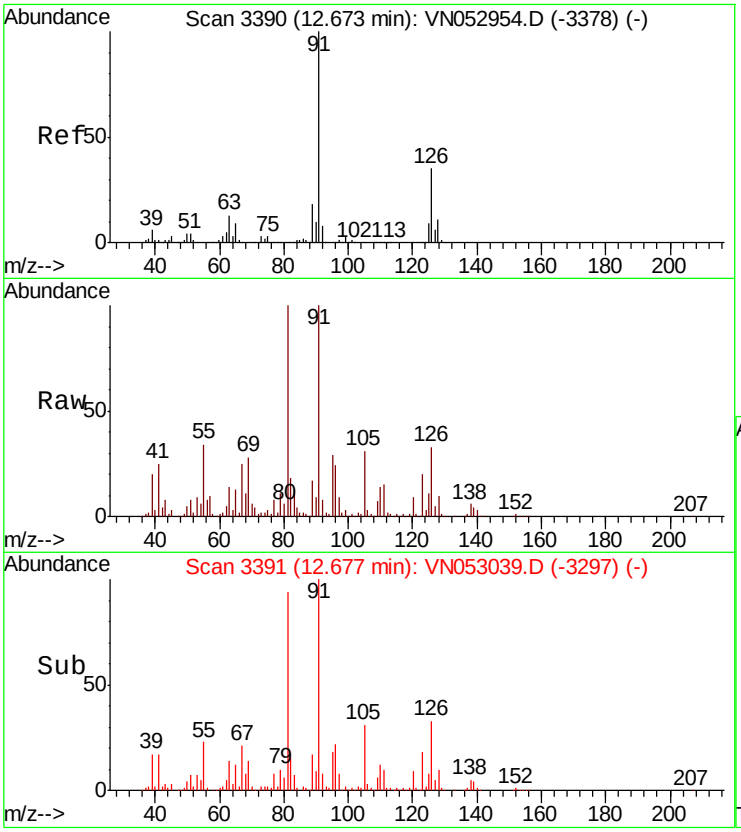




#78
n-propylbenzene
Concen: 74.645 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 91 Resp: 4181593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 11.5 | 34.5 |



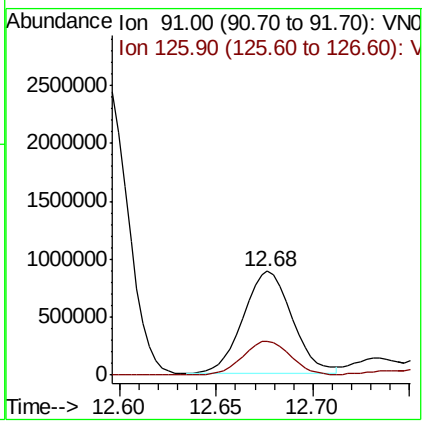


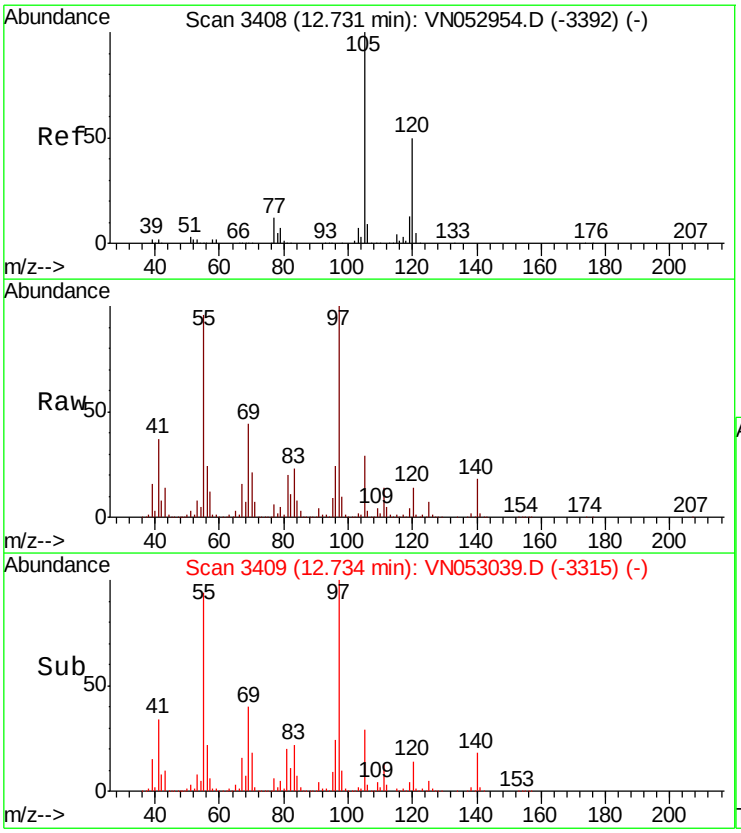

#79
2-Chlorotoluene
Concen: 45.087 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 91 Resp: 1565591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.2 | 17.4 | 52.3 |

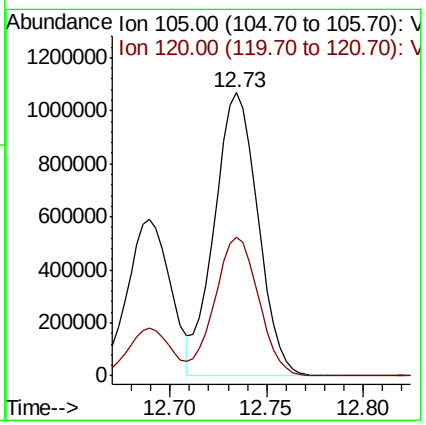


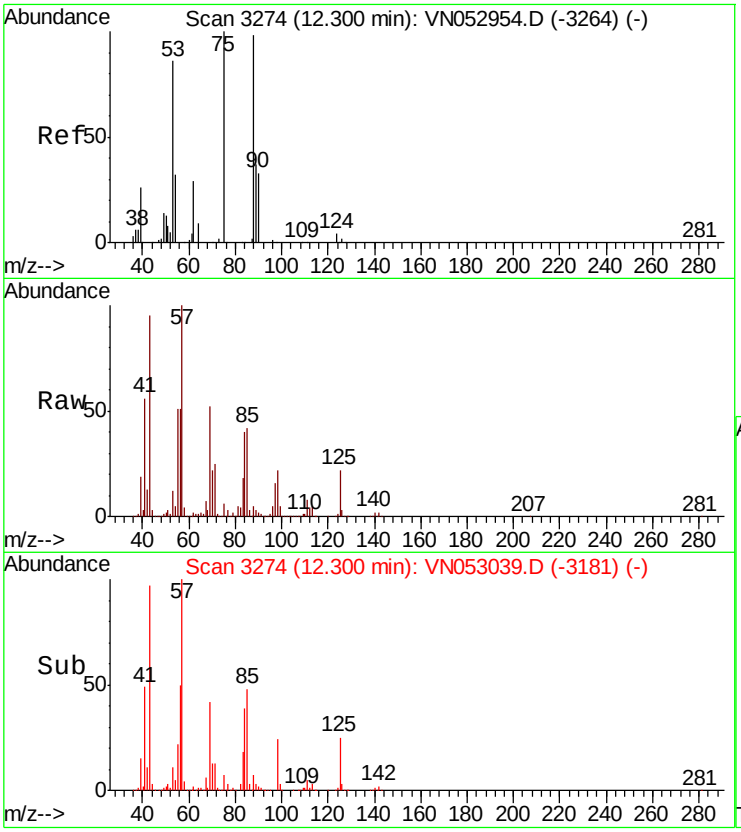




#80
1,3,5-Trimethylbenzene
Concen: 41.623 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:105 Resp: 1668710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.3 | 24.4 | 73.2 |



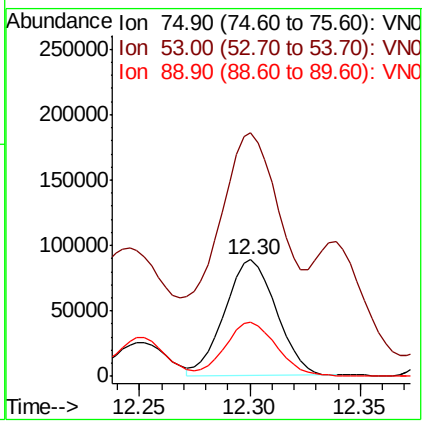


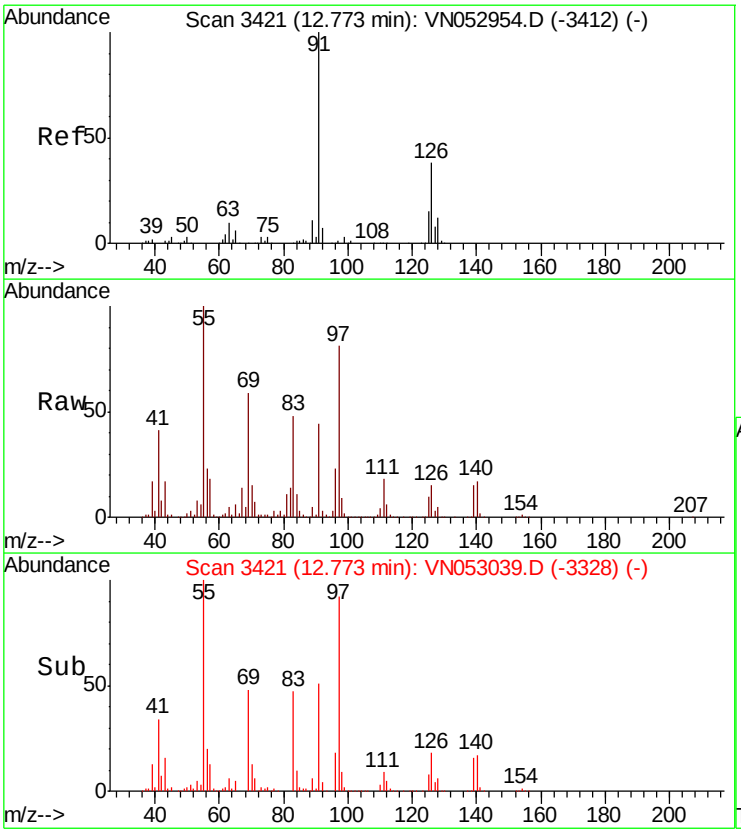

#81
trans-1,4-Dichloro-2-butene
Concen: 43.644 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 75 Resp: 143301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 145.7 | 74.7 | 112.1# |
| 89 | 46.8 | 36.1 | 54.1 |

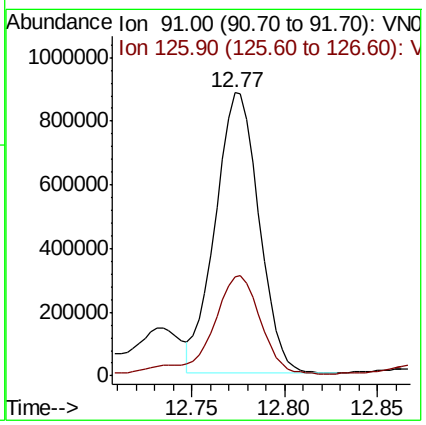


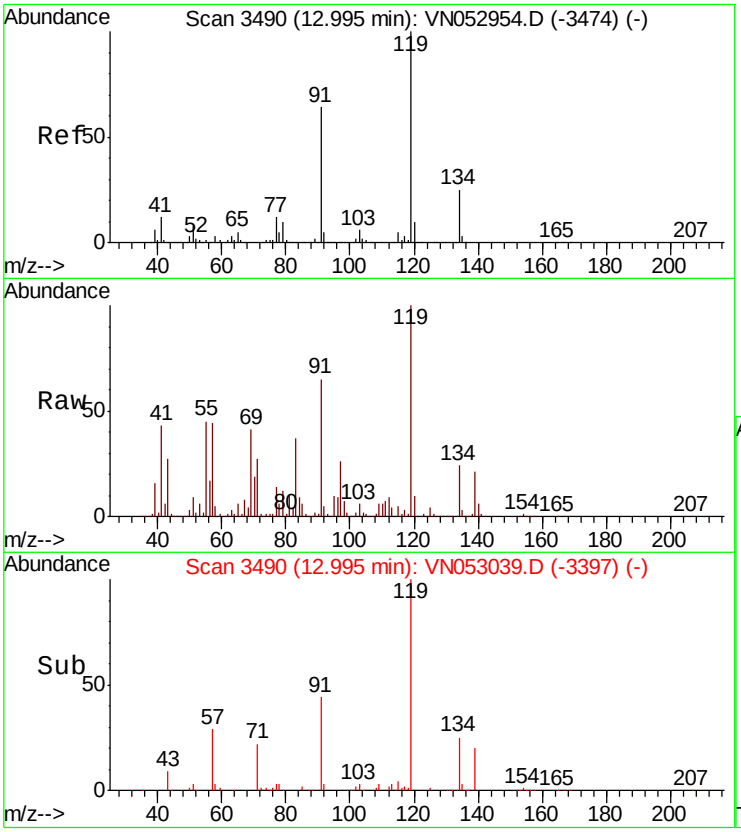




#82
4-Chlorotoluene
Concen: 42.276 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 91 Resp: 1436990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 39.9 | 17.3 | 51.7 |



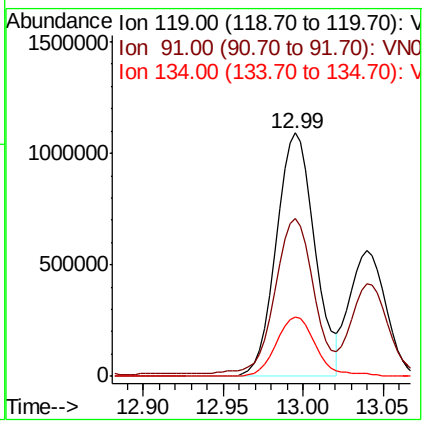


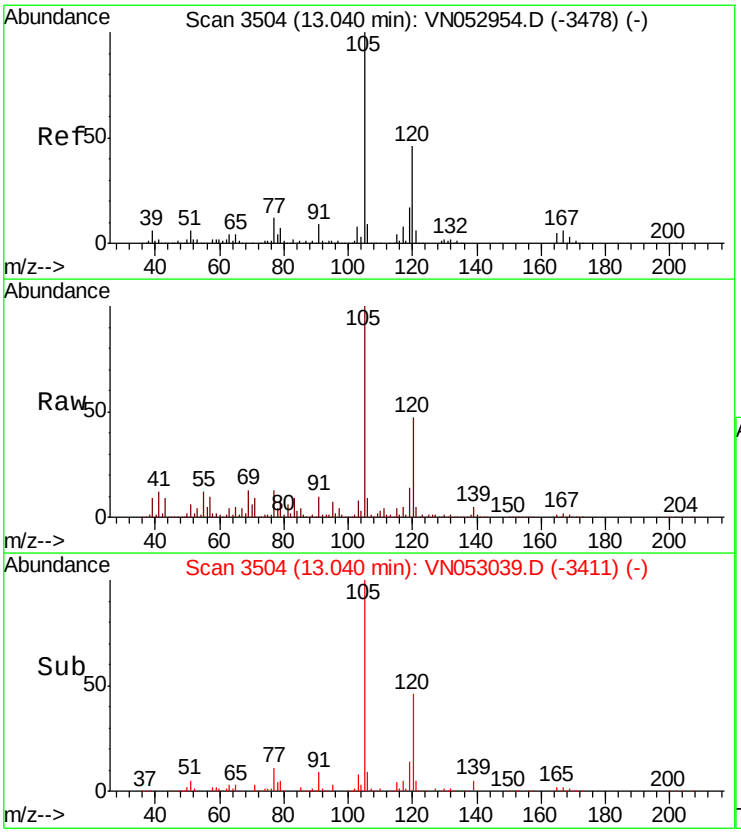

#83
tert-Butylbenzene
Concen: 51.580 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:119 Resp: 1828889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 64.5 | 31.9 | 95.5 |
| 134 | 25.4 | 12.8 | 38.4 |

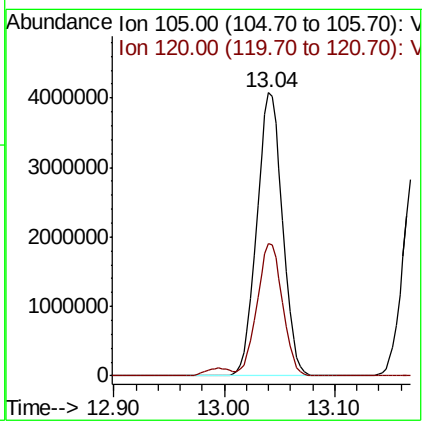


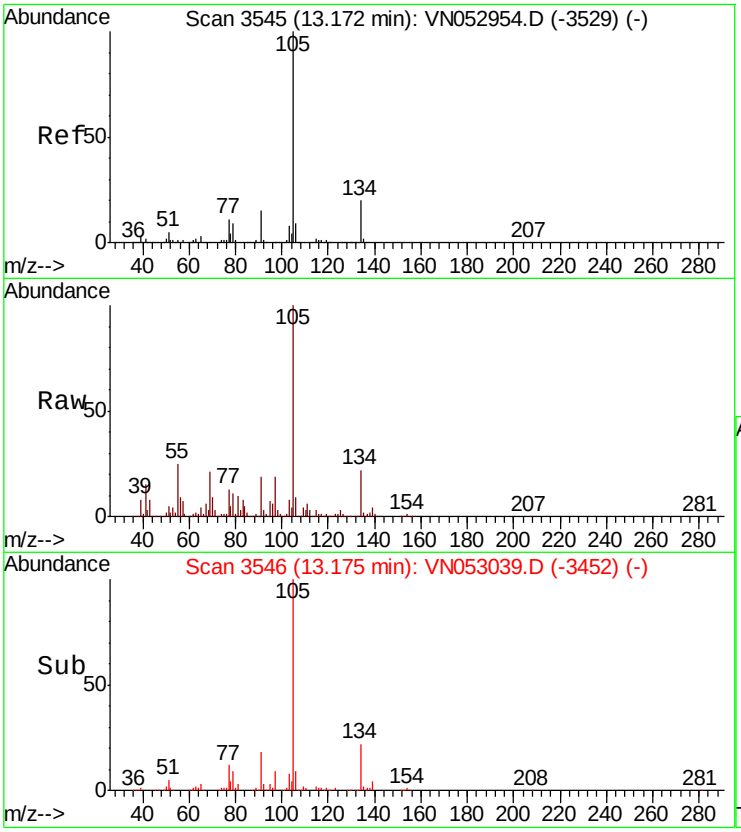




#84
1,2,4-Trimethylbenzene
Concen: 162.433 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:105 Resp: 6546568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 22.9 | 68.8 |



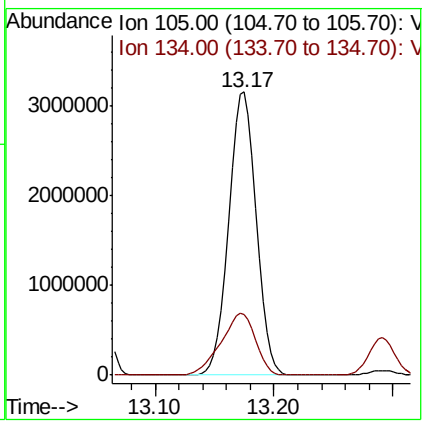


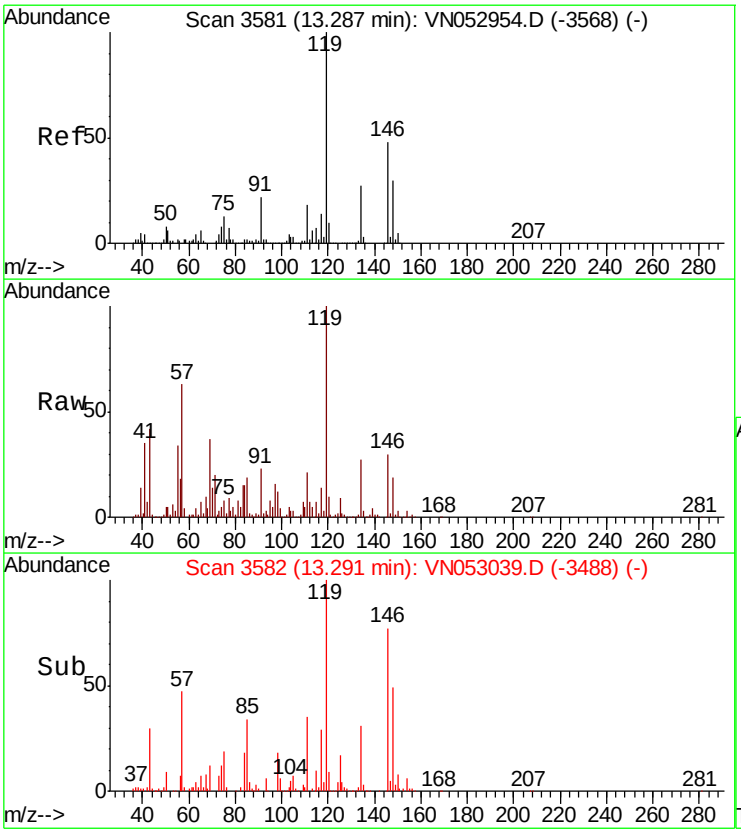

#85
sec-Butylbenzene
Concen: 104.943 ug/l
RT: 13.17 min Scan# 3546
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:105 Resp: 5032985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 27.6 | 10.1 | 30.3 |

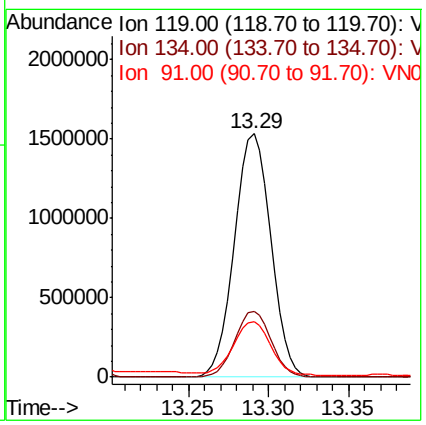


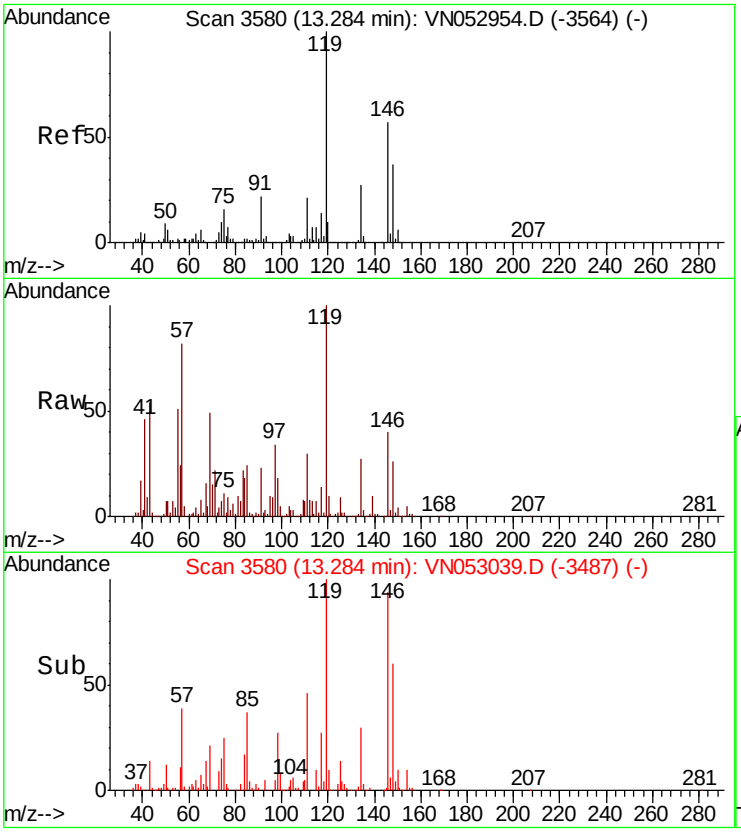




#86
p-Isopropyltoluene
Concen: 57.242 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:119 Resp: 2372148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 13.4 | 40.2 |
| 91 | 22.9 | 11.1 | 33.3 |



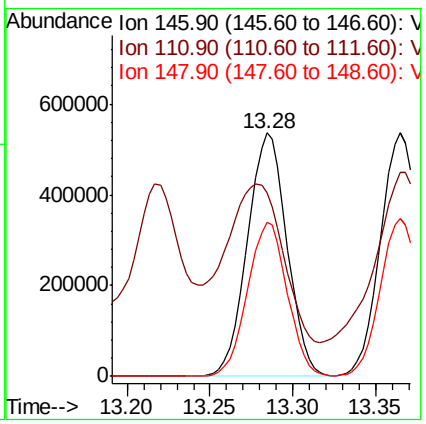


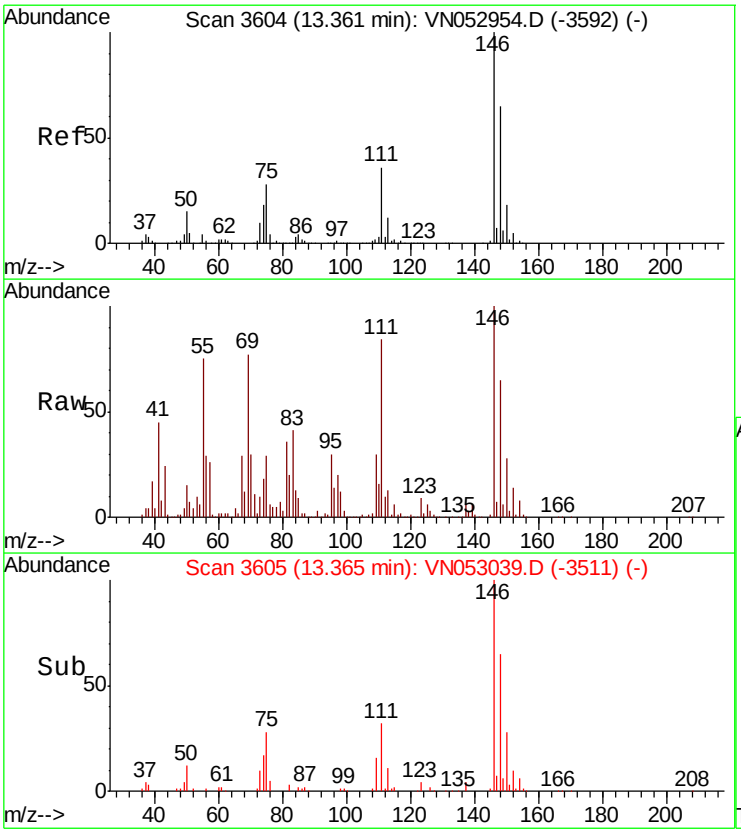

#87
1,3-Dichlorobenzene
Concen: 39.240 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :** MSVOA_N
**ClientSampleId :**

Tgt Ion:146 Resp: 887978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 89.8 | 19.1 | 57.1# |
| 148 | 63.5 | 32.0 | 96.0 |

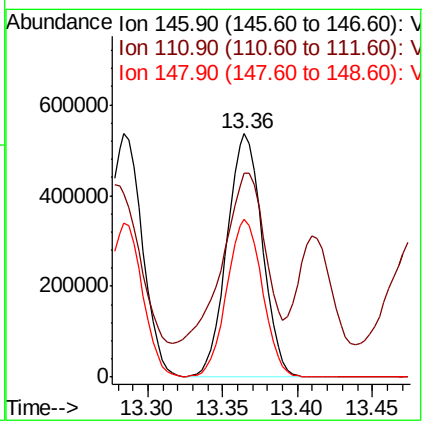


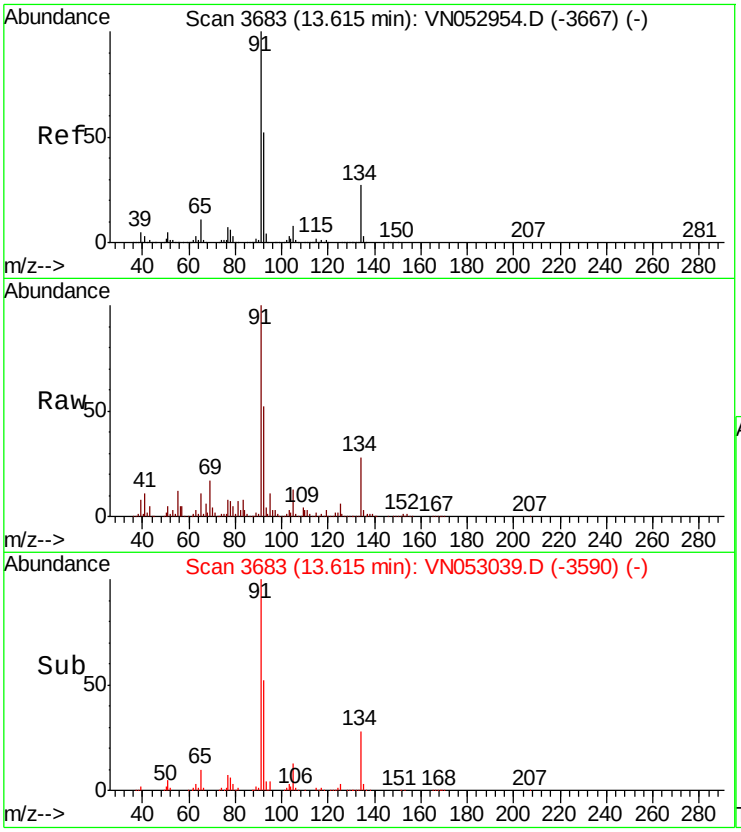




#88
1,4-Dichlorobenzene
Concen: 38.529 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:146 Resp: 882941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 81.8 | 18.6 | 55.8# |
| 148 | 65.3 | 32.1 | 96.5 |



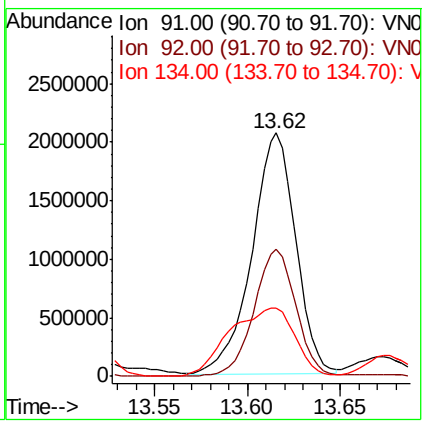


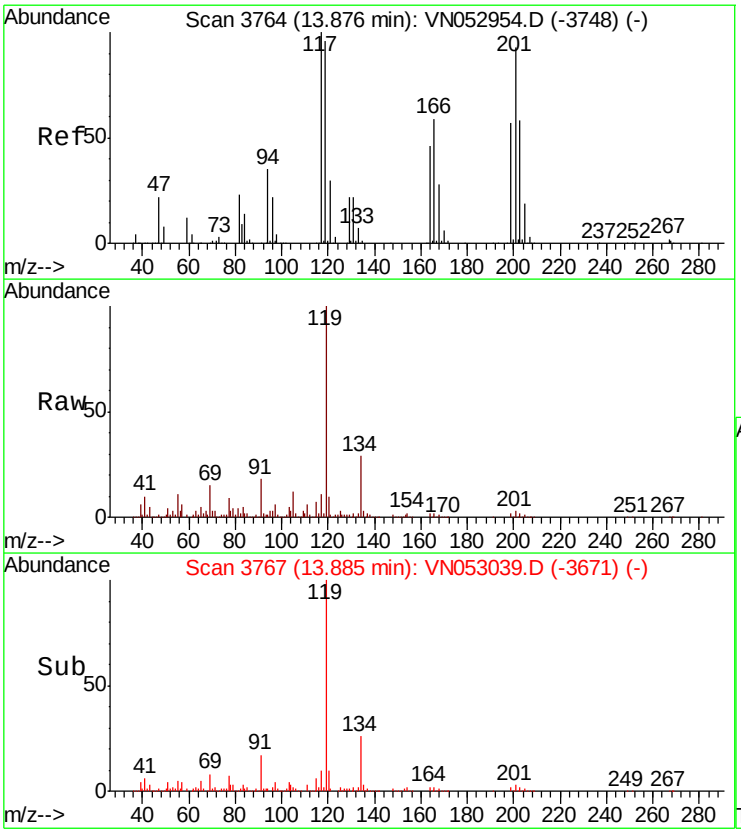

#89
n-Butylbenzene
Concen: 95.557 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion: 91 Resp: 3406826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 49.5 | 26.3 | 78.9 |
| 134 | 42.1 | 13.3 | 39.8# |

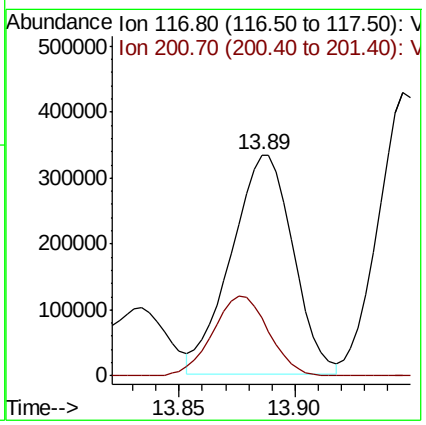


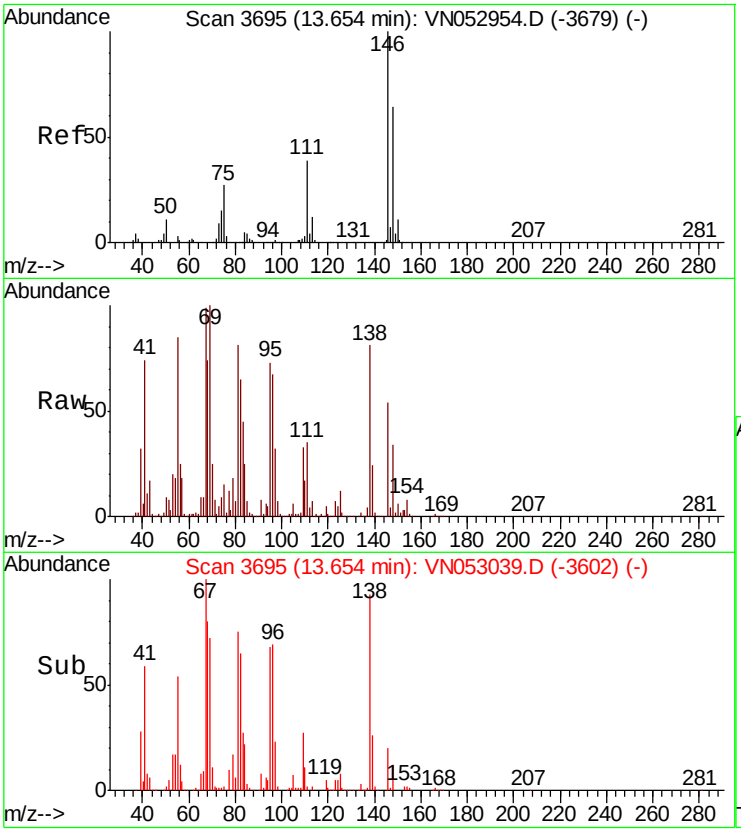




#90
Hexachloroethane
Concen: 96.933 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:117 Resp: 616442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 33.0 | 45.7 | 137.1# |



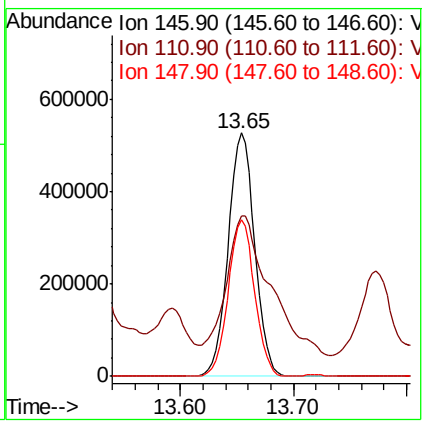


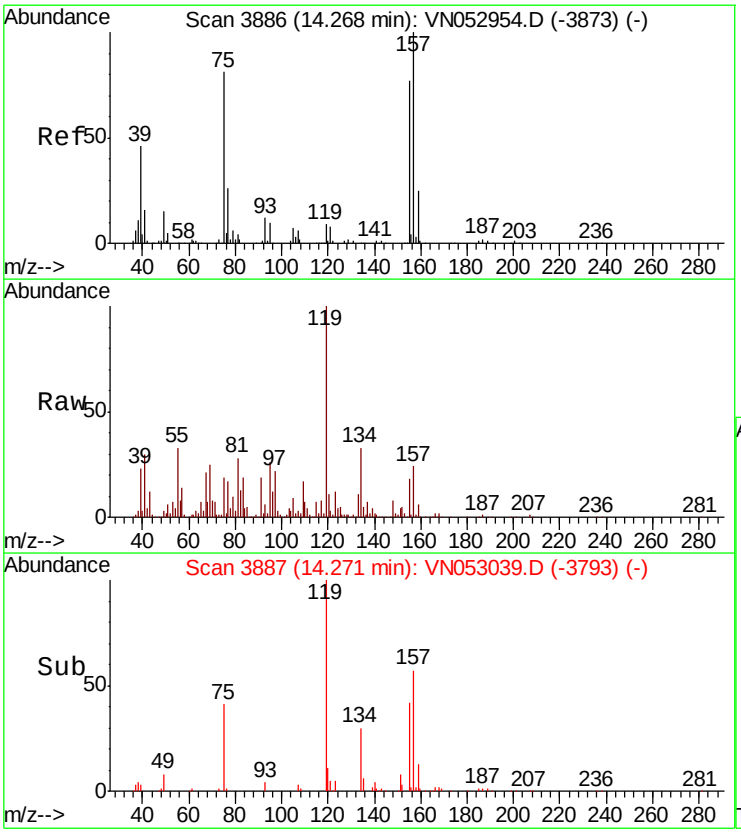

#91
1,2-Dichlorobenzene
Concen: 40.124 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:146 Resp: 854541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 97.0 | 19.7 | 59.0# |
| 148 | 64.2 | 32.0 | 96.0 |

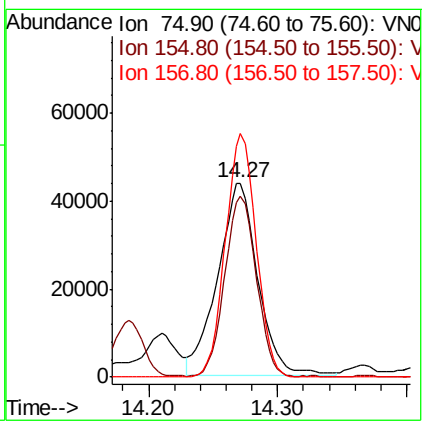


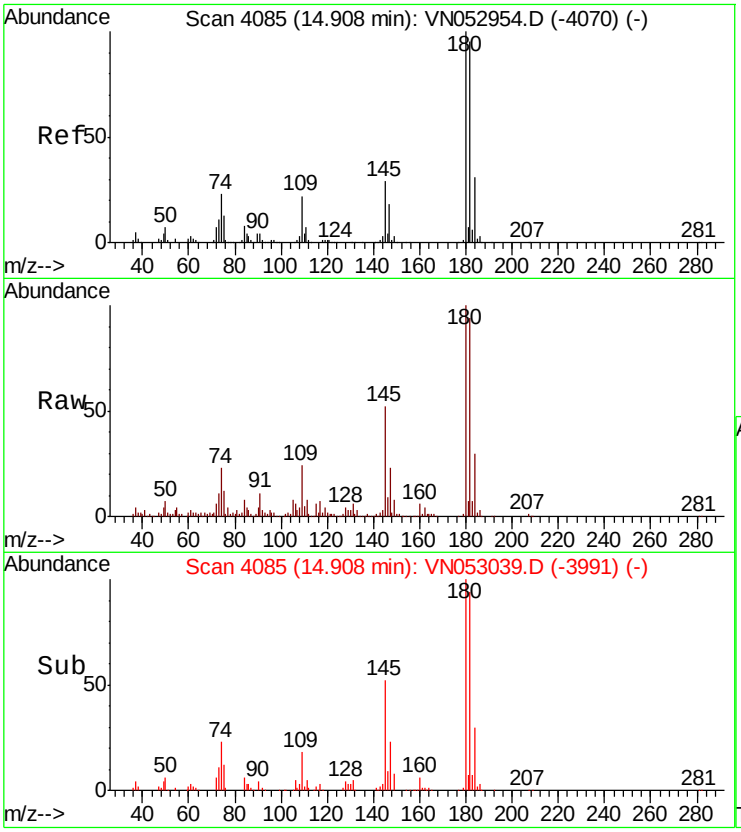




#92
1,2-Dibromo-3-Chloropropane
Concen: 55.913 ug/l
RT: 14.27 min Scan# 3887
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion: 75 Resp: 93290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.2 | 48.2 | 144.6 |
| 157 | 98.1 | 61.2 | 183.5 |



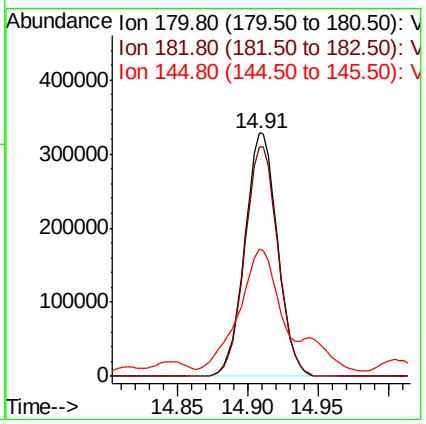


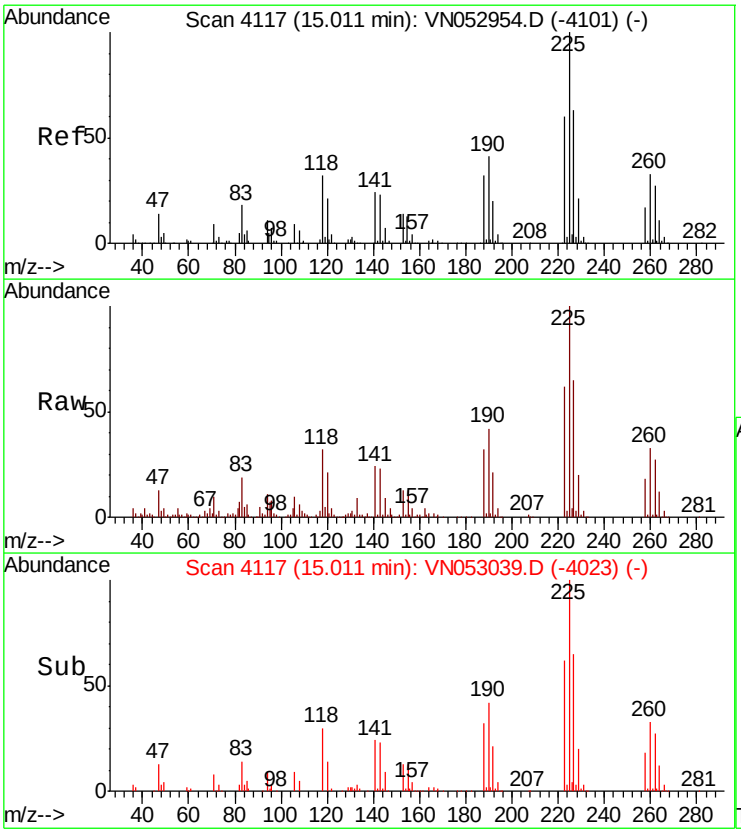

#93
1,2,4-Trichlorobenzene
Concen: 47.375 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:180 Resp: 534203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.8 | 143.3 |
| 145 | 58.7 | 14.2 | 42.6# |

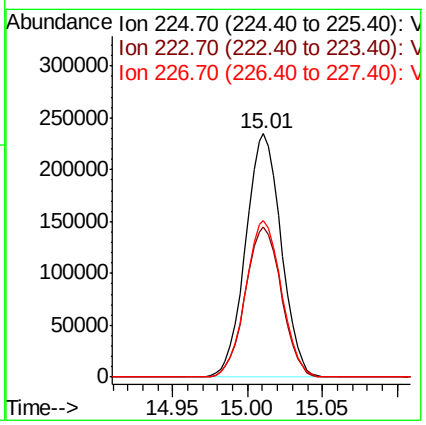


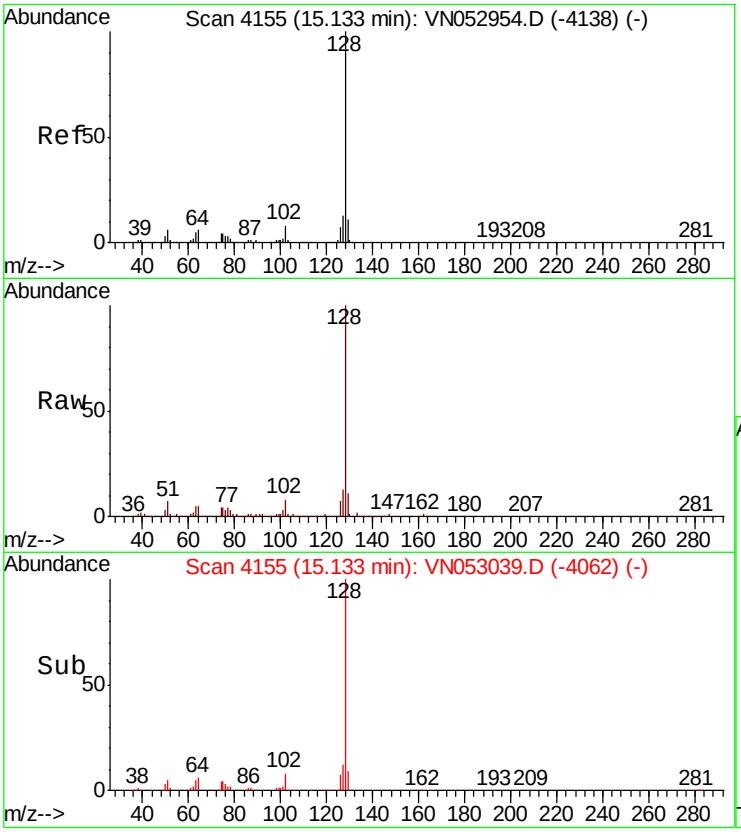




#94
Hexachlorobutadiene
Concen: 67.350 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:225 Resp: 387656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 31.5 | 94.5 |
| 227 | 64.9 | 31.9 | 95.7 |



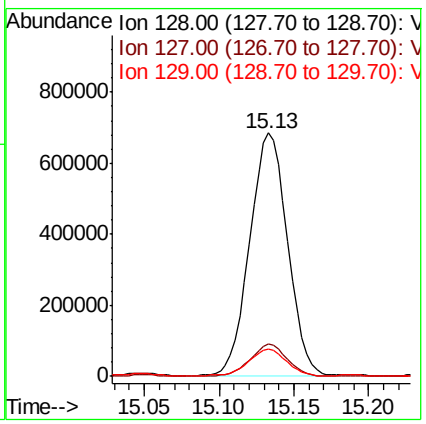


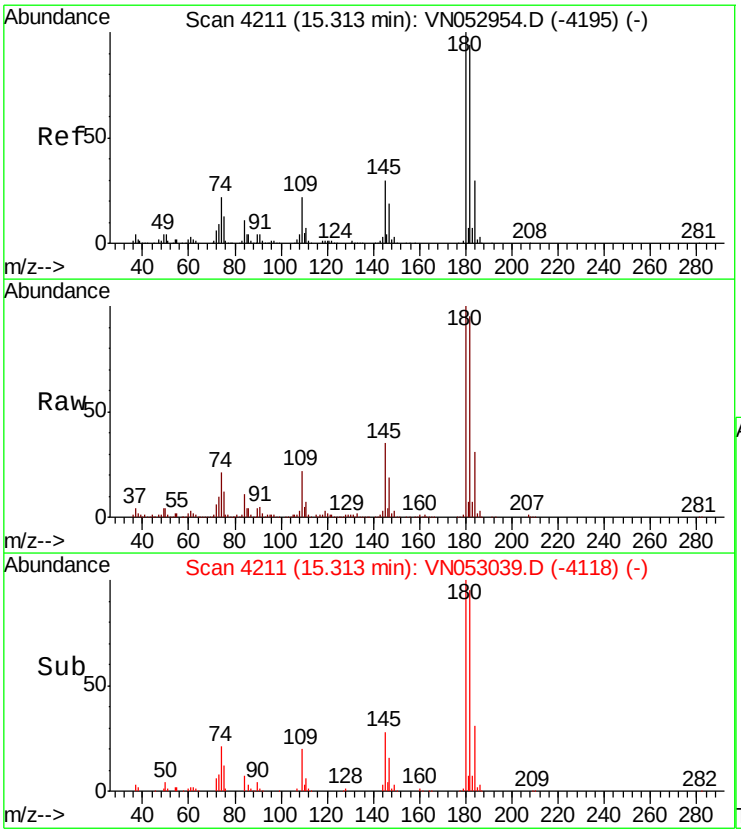

#95
Naphthalene
Concen: 48.535 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

**Instrument :**
MSVOA_N
**ClientSampleId :**

Tgt Ion:128 Resp: 1198806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.4 |
| 129 | 10.9 | 8.6 | 13.0 |




#96
1,2,3-Trichlorobenzene
Concen: 48.150 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053039.D
Acq: 20 Dec 2018 4:37

Tgt Ion:180 Resp: 489058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.9 | 143.7 |
| 145 | 40.3 | 15.0 | 45.0 |