Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101419\
Data File : VN058749.D
Acq On : 14 Oct 2019 15:04
Operator : JC/SP
Sample : K5111-07 0.2PPB LOD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 15 03:10:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.65 | 168 | 378548 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.57 | 114 | 636759 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 570059 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 234641 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.01 | 65 | 321668 | 60.70 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 121.40% | | | |
| 35) Dibromofluoromethane | 7.57 | 113 | 227411 | 57.82 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 115.64% | | | |
| 50) Toluene-d8 | 10.08 | 98 | 839503 | 53.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 106.76% | | | |
| 62) 4-Bromofluorobenzene | 12.41 | 95 | 283724 | 47.66 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 95.32% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 2.04 | 50 | 1776 | 0.317 | ug/l # | 64 |
| 4) Vinyl Chloride | 2.17 | 62 | 1485 | 0.266 | ug/l # | 64 |
| 5) Bromomethane | 2.55 | 94 | 686 | 0.202 | ug/l | 95 |
| 6) Chloroethane | 2.68 | 64 | 842 | 0.244 | ug/l # | 75 |
| 7) Trichlorofluoromethane | 3.00 | 101 | 1582 | 0.237 | ug/l # | 79 |
| 11) Tert butyl alcohol | 4.76 | 59 | 520 | 0.606 | ug/l # | 72 |
| 13) Acrolein | 3.59 | 56 | 544 | 0.788 | ug/l # | 48 |
| 14) Allyl chloride | 4.31 | 41 | 1949 | 0.266 | ug/l # | 65 |
| 15) Acrylonitrile | 4.98 | 53 | 1346 | 0.622 | ug/l # | 91 |
| 16) Acetone | 3.81 | 43 | 3126 | 1.425 | ug/l | 99 |
| 17) Carbon Disulfide | 4.03 | 76 | 3258 | 0.280 | ug/l # | 89 |
| 20) Methylene Chloride | 4.53 | 84 | 1557 | 0.340 | ug/l # | 62 |
| 23) Vinyl Acetate | 5.89 | 43 | 10165 | 0.883 | ug/l # | 83 |
| 25) 2-Butanone | 6.82 | 43 | 2702 | 0.852 | ug/l # | 50 |
| 26) 2,2-Dichloropropane | 6.80 | 77 | 2256 | 0.304 | ug/l # | 66 |
| 29) Tetrahydrofuran | 7.19 | 42 | 1976 | 0.964 | ug/l # | 54 |
| 30) Chloroform | 7.36 | 83 | 2685 | 0.329 | ug/l # | 78 |
| 31) Cyclohexane | 7.64 | 56 | 9839 | 1.266 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.78 | 75 | 1415 | 0.220 | ug/l # | 59 |
| 38) Carbon Tetrachloride | 7.65 | 117 | 37372 | 5.956 | ug/l # | 18 |
| 40) Benzene | 8.03 | 78 | 4087 | 0.221 | ug/l # | 88 |
| 42) 1,2-Dichloroethane | 8.12 | 62 | 2154 | 0.303 | ug/l # | 78 |
| 43) Isopropyl Acetate | 8.16 | 43 | 2243 | 0.202 | ug/l # | 60 |
| 47) Bromodichloromethane | 9.39 | 83 | 1442 | 0.226 | ug/l # | 68 |
| 49) 1,4-Dioxane | 9.19 | 88 | 107 | 1.376 | ug/l # | 22 |
| 51) 4-Methyl-2-Pentanone | 9.98 | 43 | 6056 | 0.972 | ug/l | 92 |
| 57) 1,3-Dichloropropane | 10.71 | 76 | 1603 | 0.203 | ug/l # | 80 |
| 58) 2-Chloroethyl Vinyl ether | 9.69 | 63 | 2334 | 0.716 | ug/l | 96 |
| 59) 2-Hexanone | 10.75 | 43 | 4812 | 1.000 | ug/l | 85 |
| 64) Tetrachloroethene | 10.62 | 164 | 911 | 0.228 | ug/l # | 87 |
| 65) Chlorobenzene | 11.43 | 112 | 2368 | 0.205 | ug/l # | 88 |
| 67) Ethyl Benzene | 11.51 | 91 | 4542 | 0.220 | ug/l | 92 |
| 68) m/p-Xylenes | 11.62 | 106 | 2551 | 0.329 | ug/l | 88 |
| 74) N-amyl acetate | 12.08 | 43 | 1979 | 0.259 | ug/l # | 76 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101419\
Data File : VN058749.D
Acq On : 14 Oct 2019 15:04
Operator : JC/SP
Sample : K5111-07 0.2PPB LOD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 15 03:10:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 75) 1,1,2,2-Tetrachloroethane | 12.51 | 83 | 1483 | 0.265 | ug/l | # | 87 |
| 76) 1,2,3-Trichloropropane | 12.41 | 75 | 152839 | 29.692 | ug/l | # | 100 |
| 77) Bromobenzene | 12.53 | 156 | 933 | 0.226 | ug/l | | 85 |
| 78) n-propylbenzene | 12.59 | 91 | 4083 | 0.206 | ug/l | | 90 |
| 79) 2-Chlorotoluene | 12.68 | 91 | 2516 | 0.205 | ug/l | | 91 |
| 80) 1,3,5-Trimethylbenzene | 12.74 | 105 | 3230 | 0.223 | ug/l | | 86 |
| 81) trans-1,4-Dichloro-2-buten | 12.41 | 75 | 152839 | 79.536 | ug/l | # | 11 |
| 82) 4-Chlorotoluene | 12.78 | 91 | 2677 | 0.212 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.05 | 105 | 2959 | 0.205 | ug/l | | 87 |
| 86) p-Isopropyltoluene | 13.29 | 119 | 3101 | 0.208 | ug/l | | 94 |
| 87) 1,3-Dichlorobenzene | 13.29 | 146 | 1553 | 0.204 | ug/l | | 83 |
| 88) 1,4-Dichlorobenzene | 13.29 | 146 | 1553 | 0.200 | ug/l | | 84 |
| 95) Naphthalene | 15.13 | 128 | 2713 | 0.208 | ug/l | # | 89 |

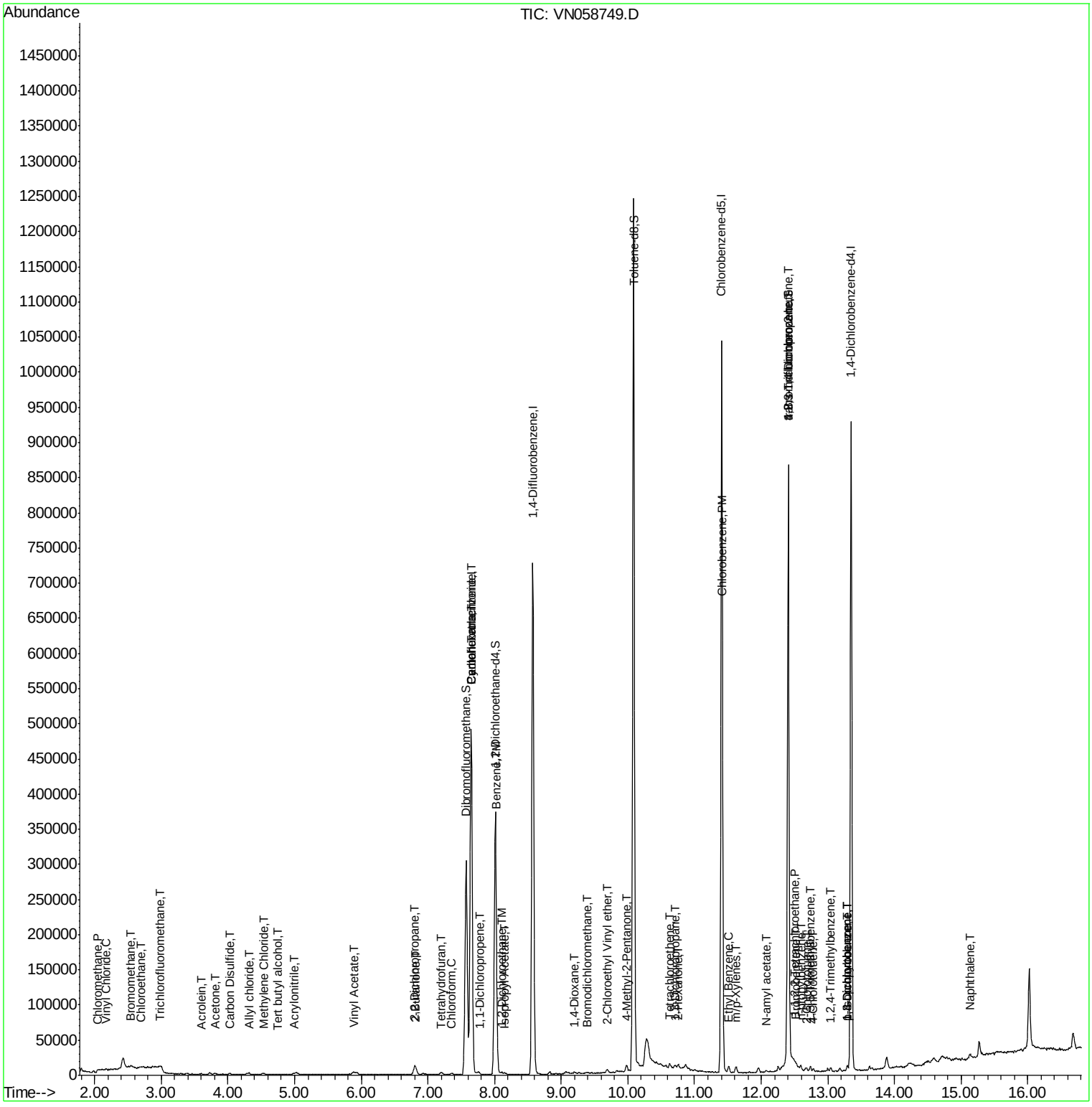
(#) = qualifier out of range (m) = manual integration (+) = signals summed

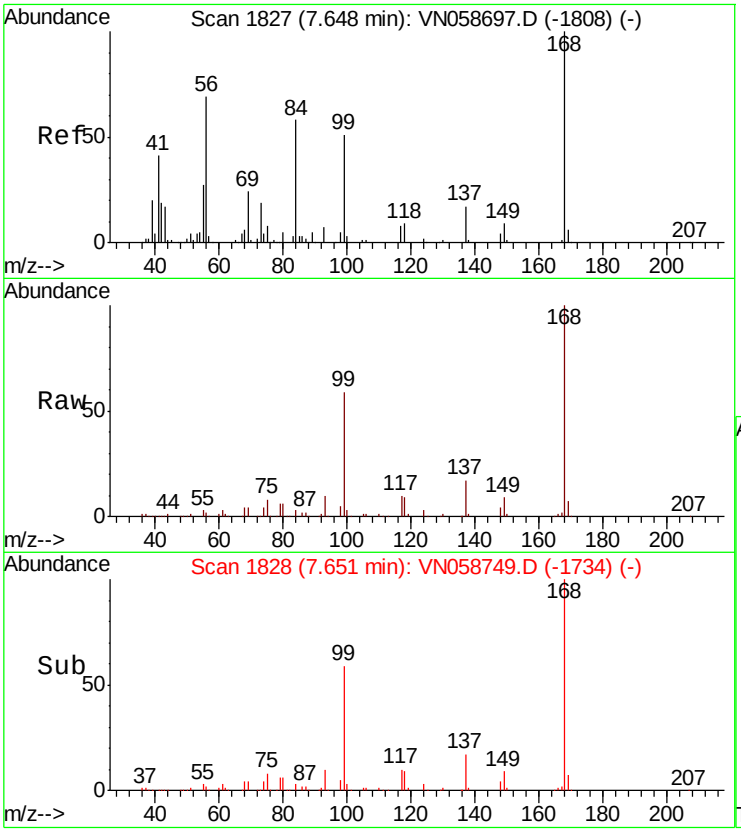
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101419\
Data File : VN058749.D
Acq On : 14 Oct 2019 15:04
Operator : JC/SP
Sample : K5111-07 0.2PPB LOD
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 15 03:10:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration



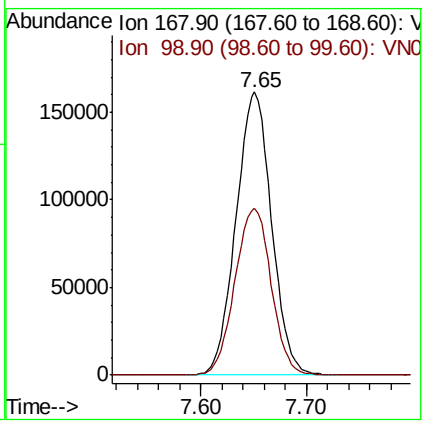


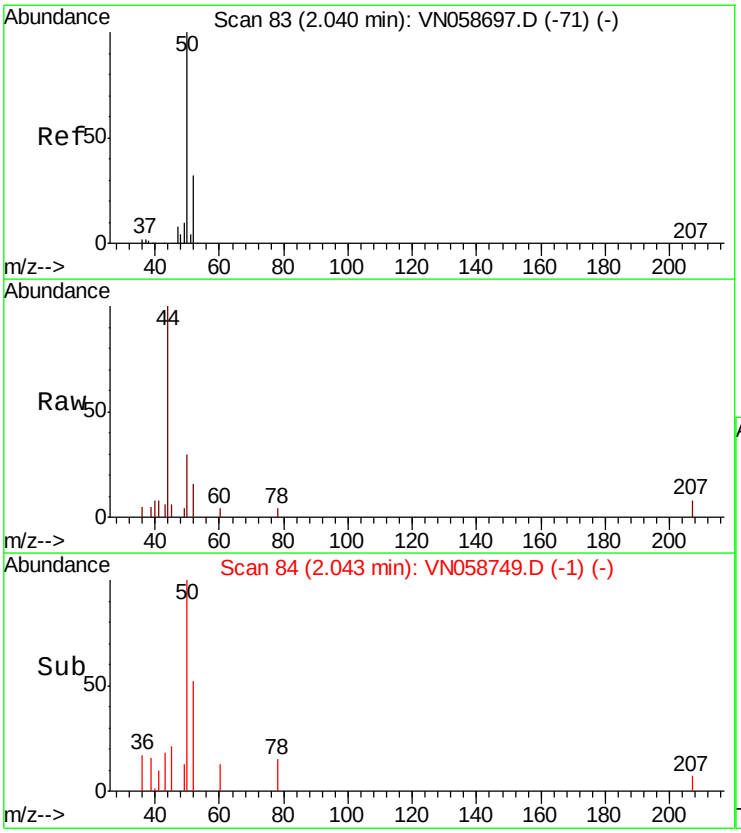

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:168 Resp: 378548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.9 | 47.5 | 71.3 |

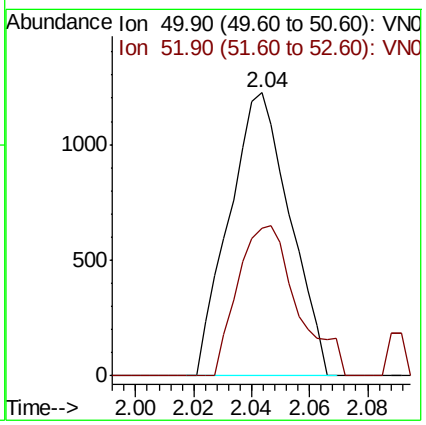


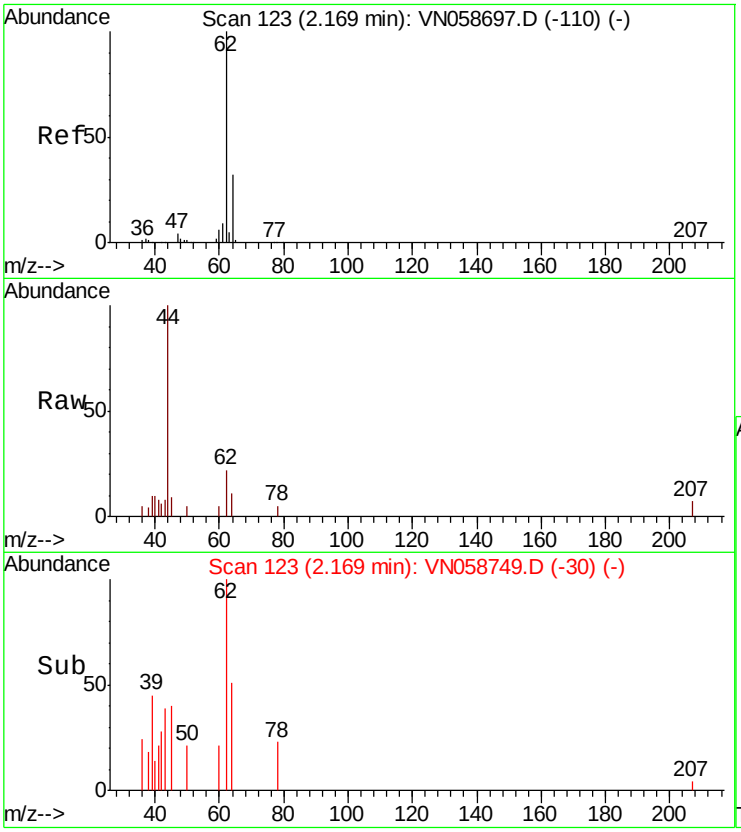




#3
Chloromethane
Concen: 0.317 ug/l
RT: 2.04 min Scan# 84
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 50 Resp: 1776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 52.2 | 25.8 | 38.6# |



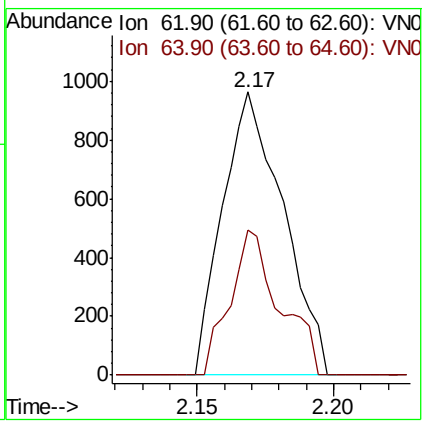


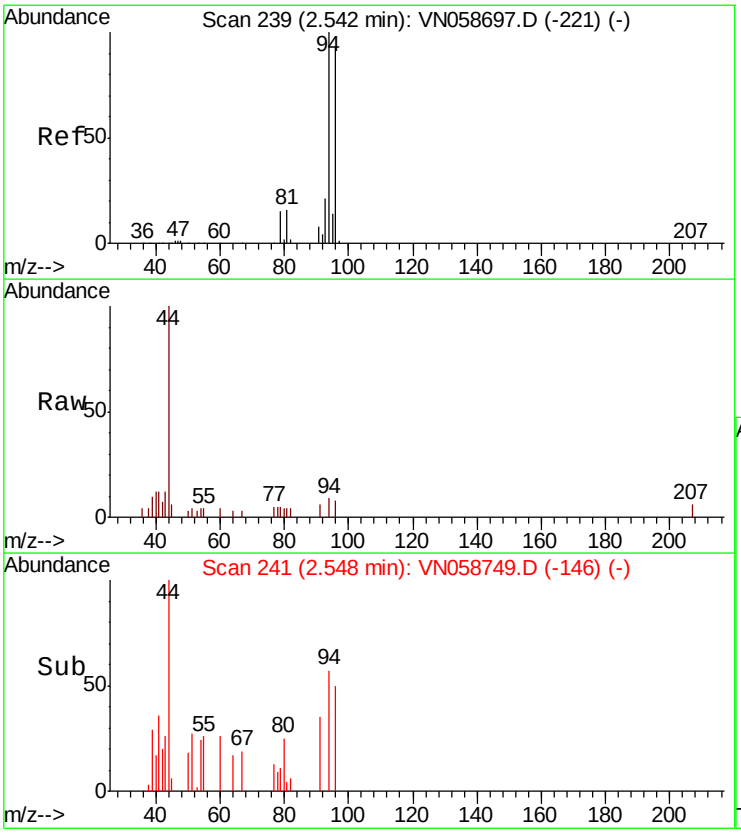

#4
Vinyl Chloride
Concen: 0.266 ug/l
RT: 2.17 min Scan# 123
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 62 Resp: 1485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 51.3 | 25.3 | 37.9# |

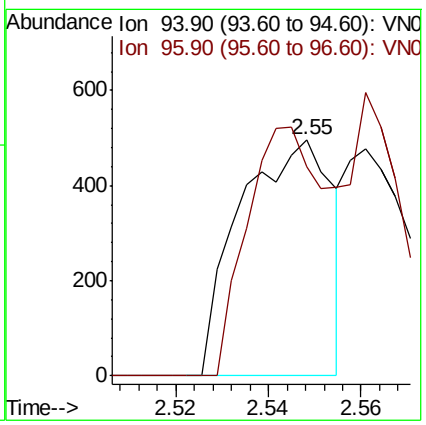


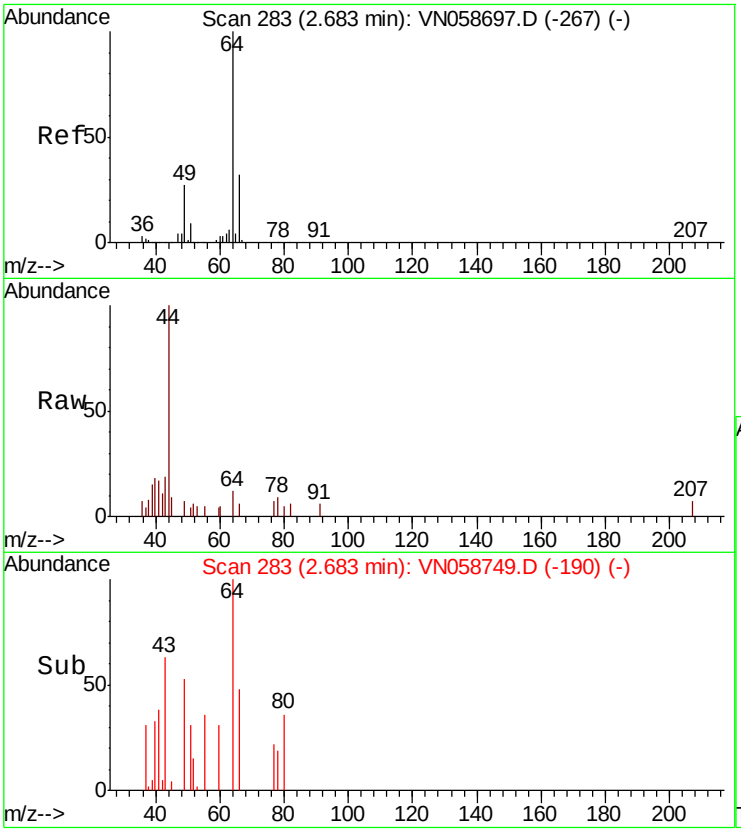




#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 94 Resp: 686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 88.3 | 74.5 | 111.7 |



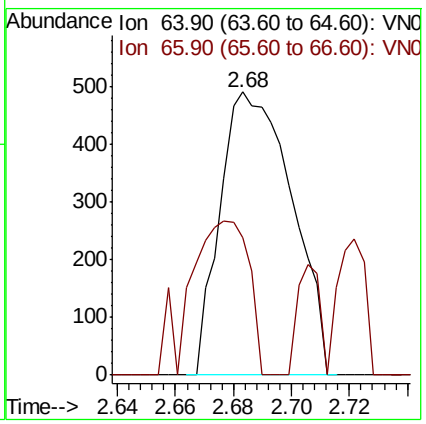


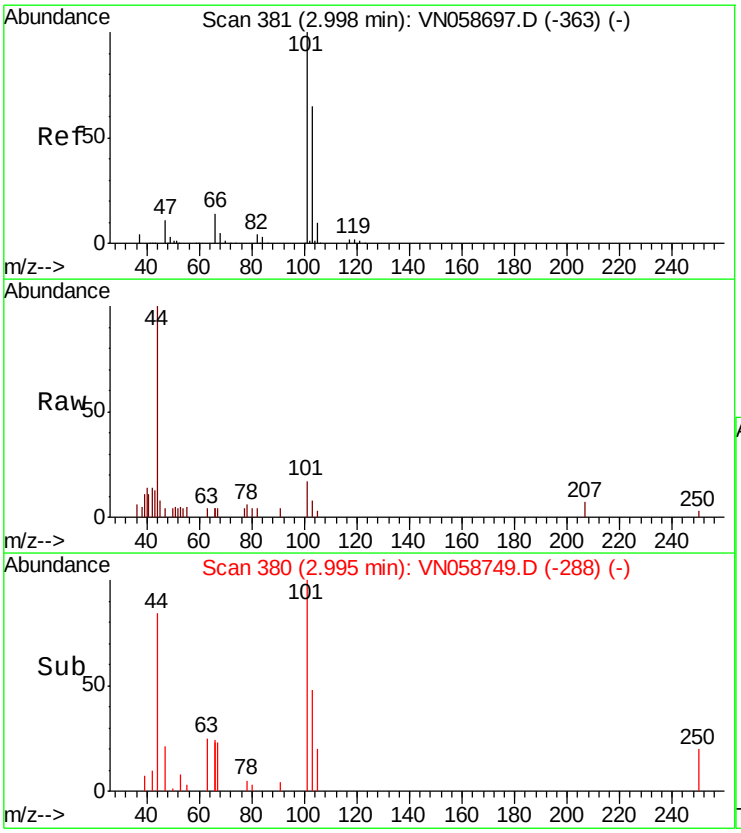

#6
Chloroethane
Concen: 0.244 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 64 Resp: 842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 17.7 | 25.4 | 38.2# |

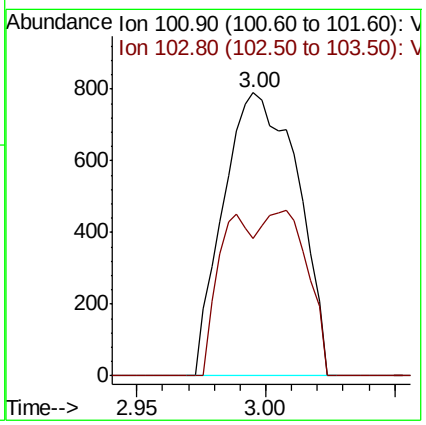


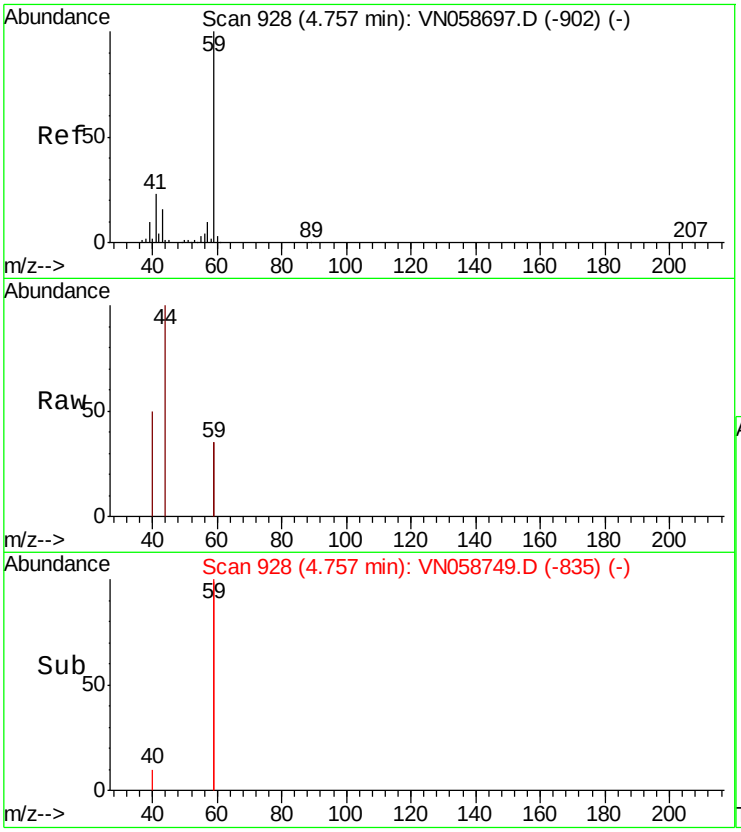




#7
Trichlorofluoromethane
Concen: 0.237 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:101 Resp: 1582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 48.5 | 51.8 | 77.6# |



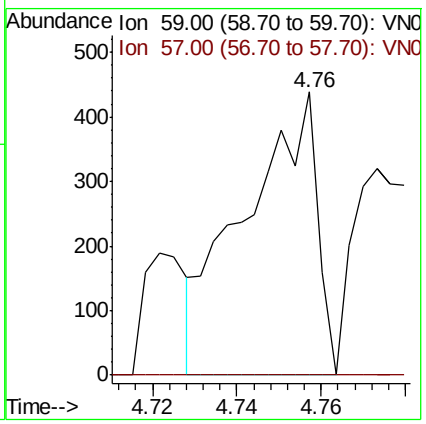


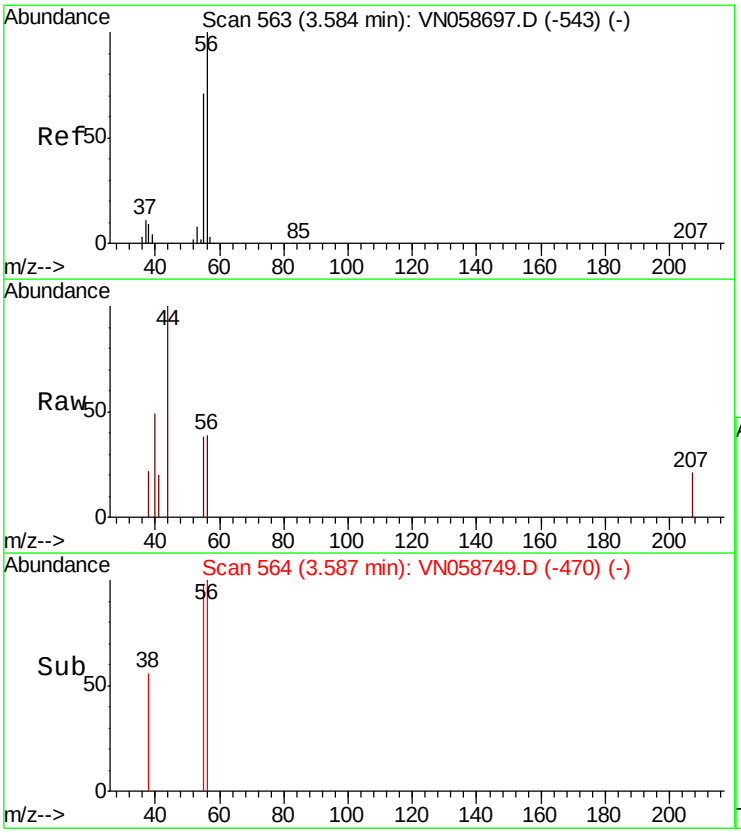

#11
Tert butyl alcohol
Concen: 0.606 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 59 Resp: 520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.4 | 12.6# |

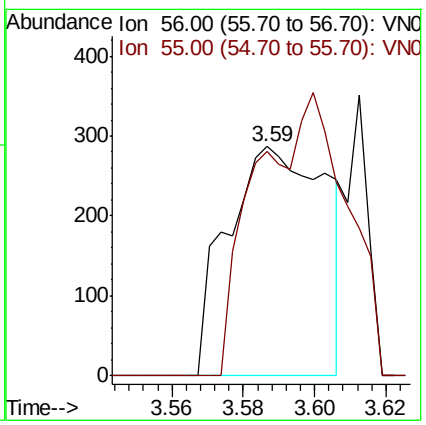


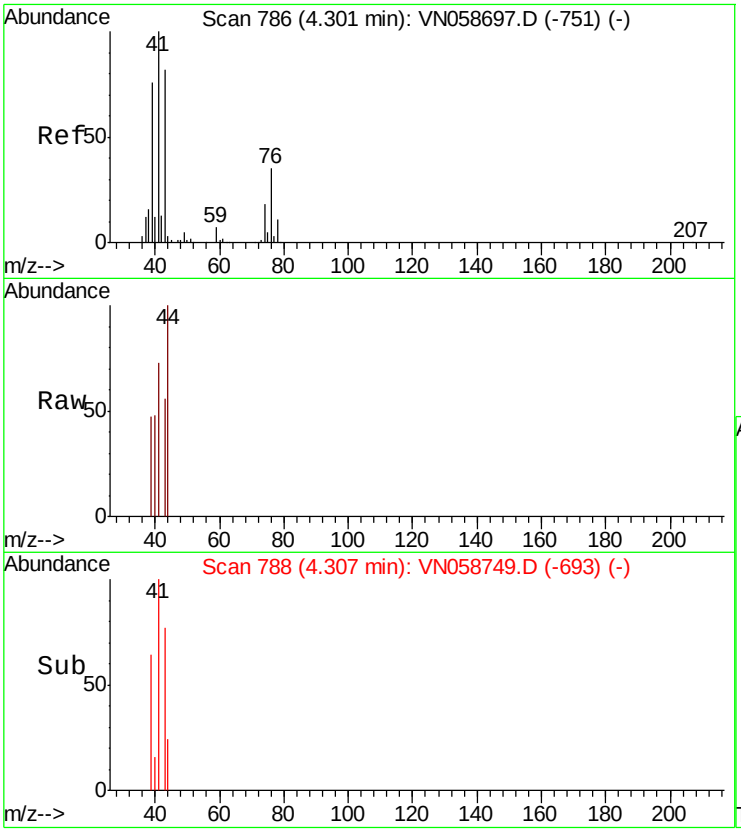




#13
Acrolein
Concen: 0.788 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 56 Resp: 544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 114.0 | 56.7 | 85.1# |



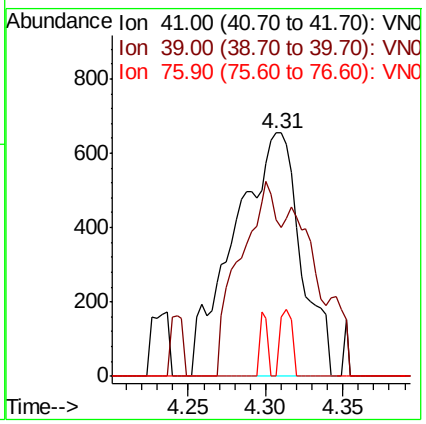


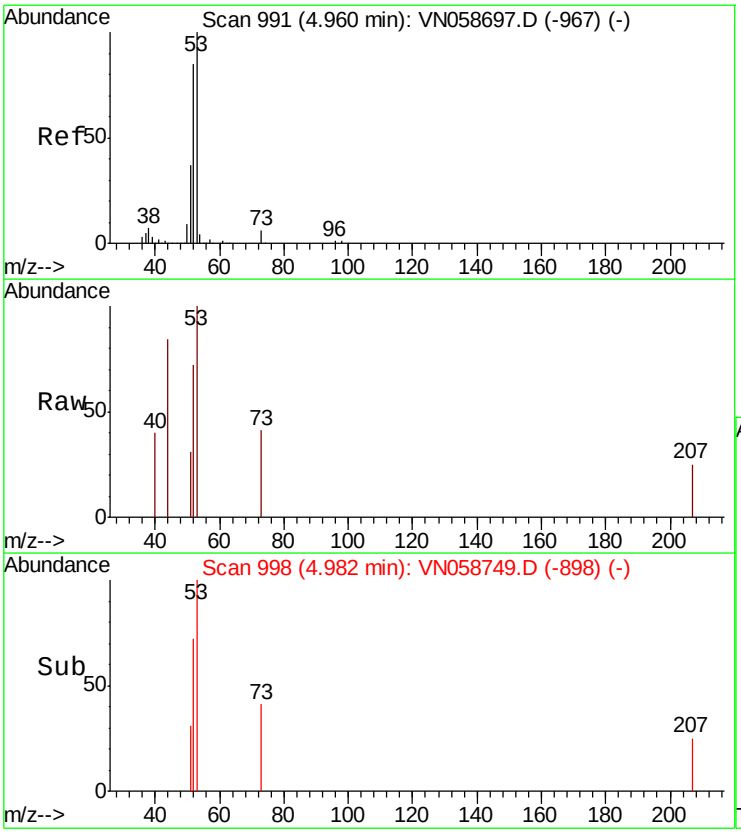

#14
Allyl chloride
Concen: 0.266 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 41 Resp: 1949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 47.2 | 57.2 | 85.8# |
| 76 | 4.9 | 25.0 | 37.6# |

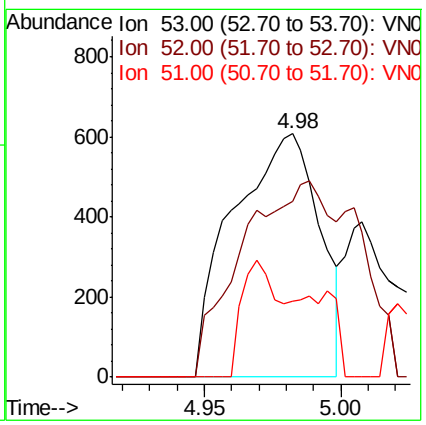


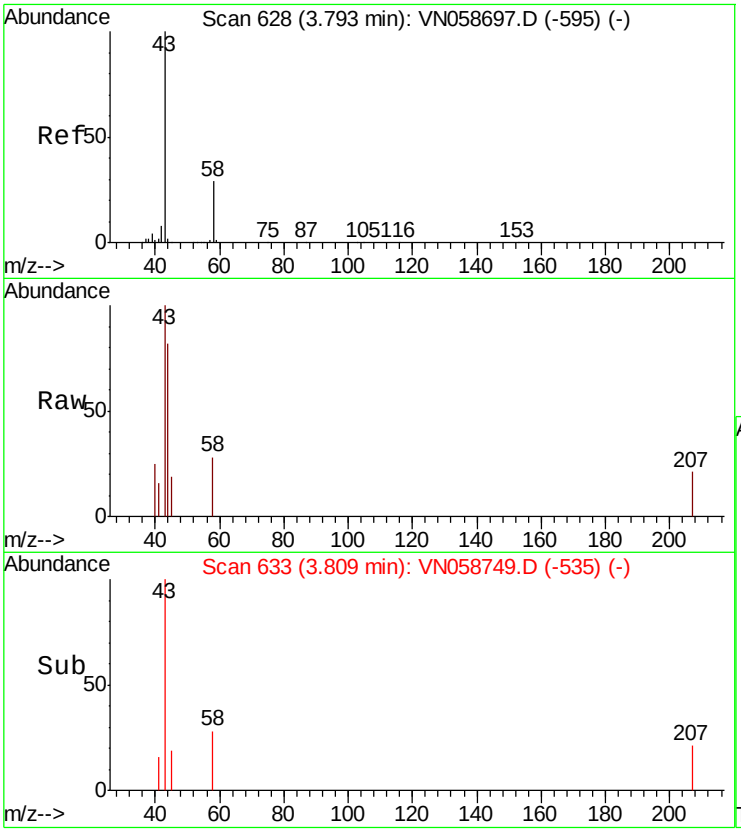




#15
Acrylonitrile
Concen: 0.622 ug/l
RT: 4.98 min Scan# 998
Delta R.T. 0.02 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 53 Resp: 1346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 66.2 | 99.2 |
| 51 | 19.5 | 29.4 | 44.2# |



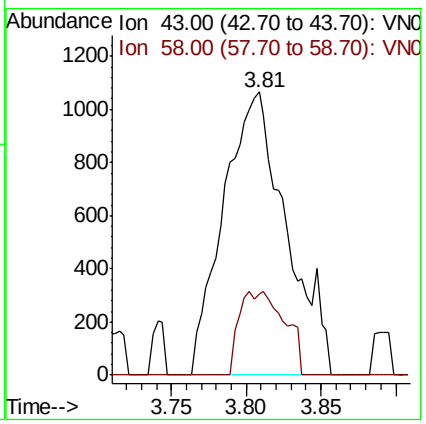


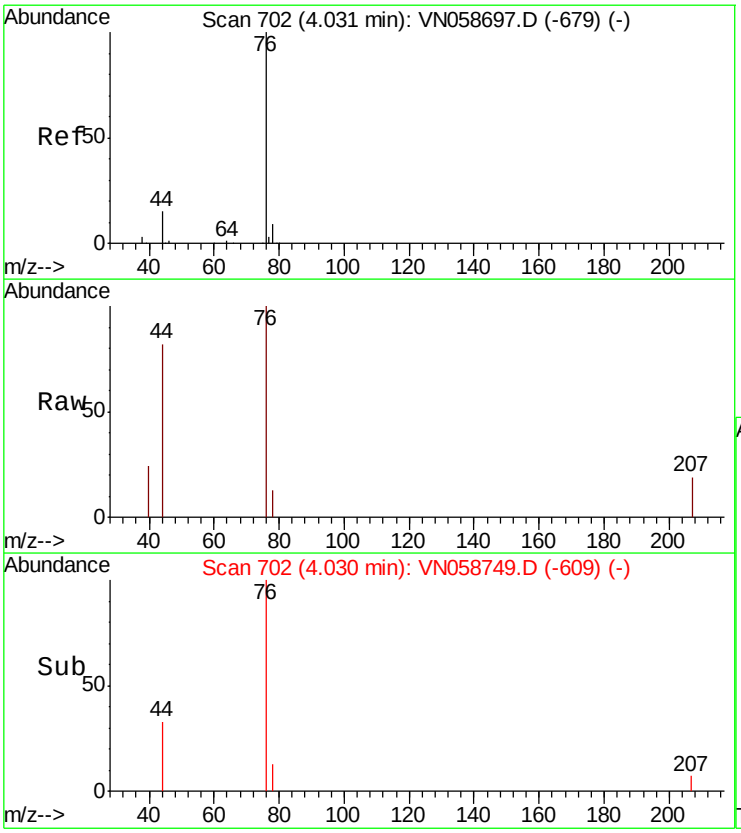

#16
Acetone
Concen: 1.425 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.02 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 43 Resp: 3126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.5 | 23.3 | 34.9 |

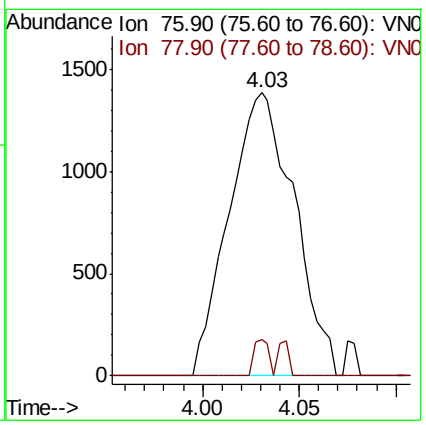


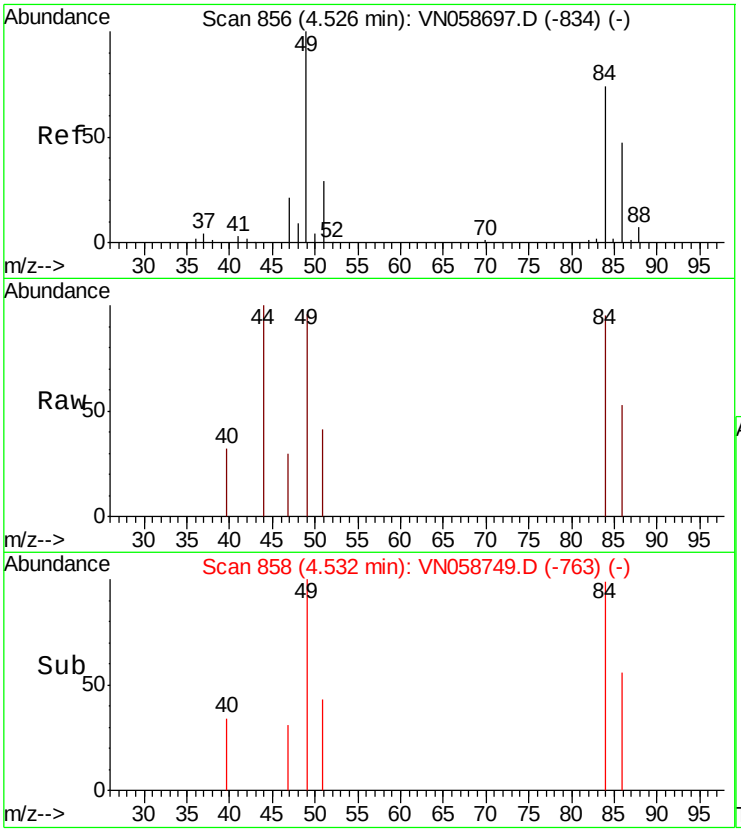




#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 76 Resp: 3258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 12.8 | 7.1 | 10.7# |



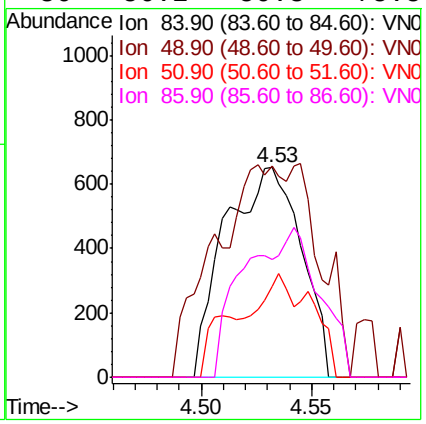


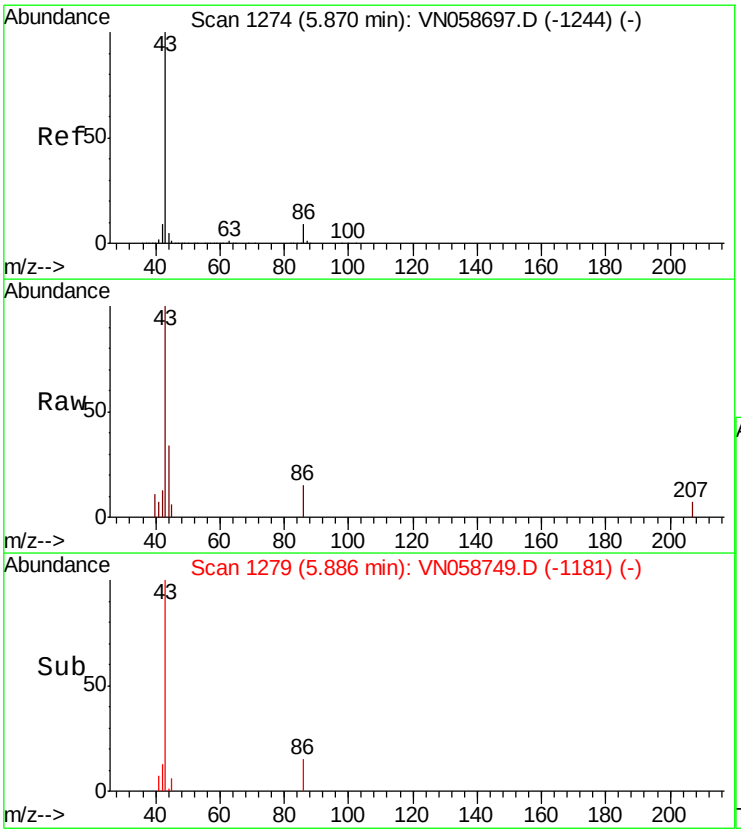

#20
Methylene Chloride
Concen: 0.340 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 84 Resp: 1557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 63.3 | 107.6 | 161.4# |
| 51 | 43.6 | 31.4 | 47.0 |
| 86 | 56.2 | 50.3 | 75.5 |

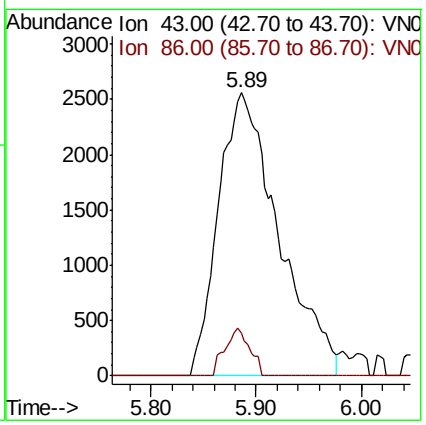


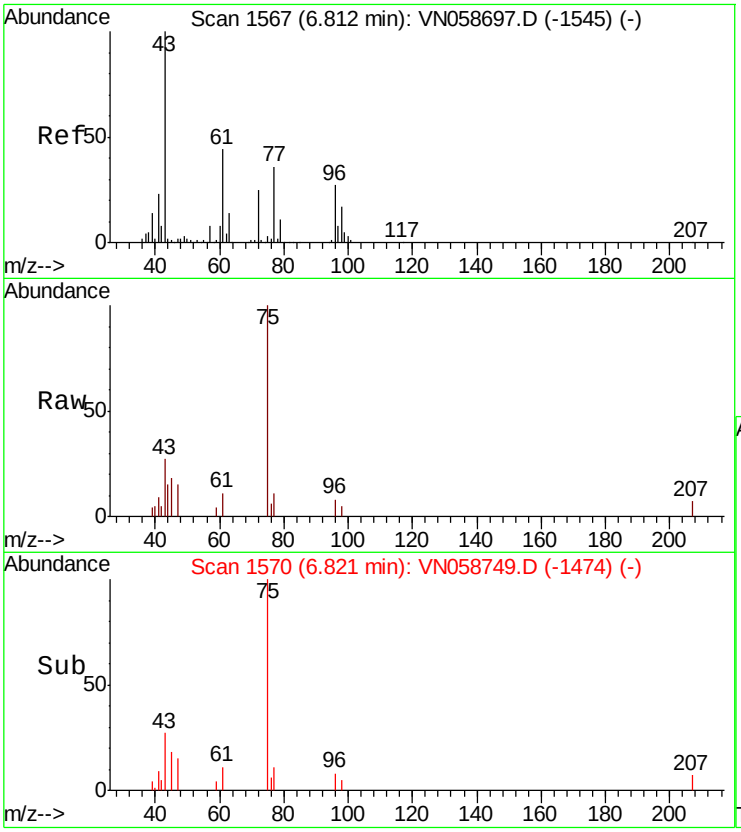




#23
Vinyl Acetate
Concen: 0.883 ug/l
RT: 5.89 min Scan# 1279
Delta R.T. 0.02 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 43 Resp: 10165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 15.3 | 7.4 | 11.0# |



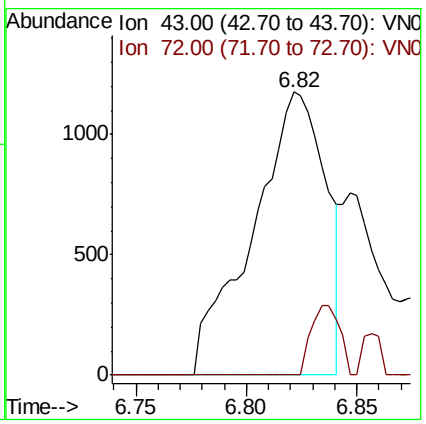


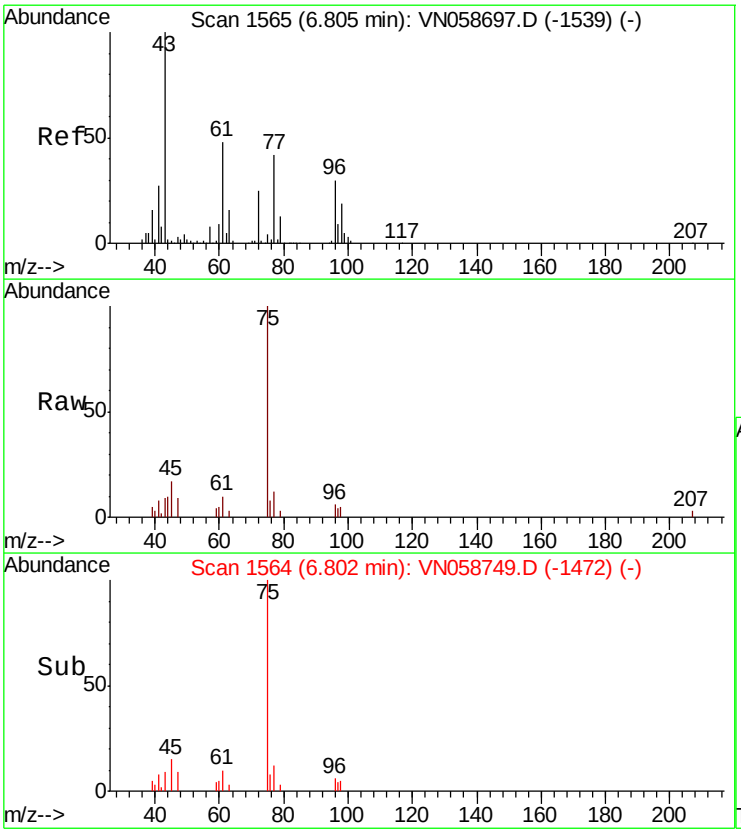

#25
2-Butanone
Concen: 0.852 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 43 Resp: 2702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 20.2 | 30.2# |

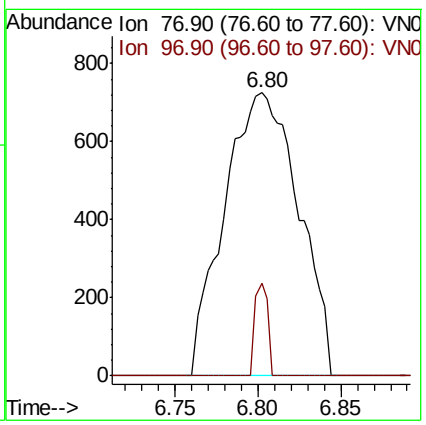


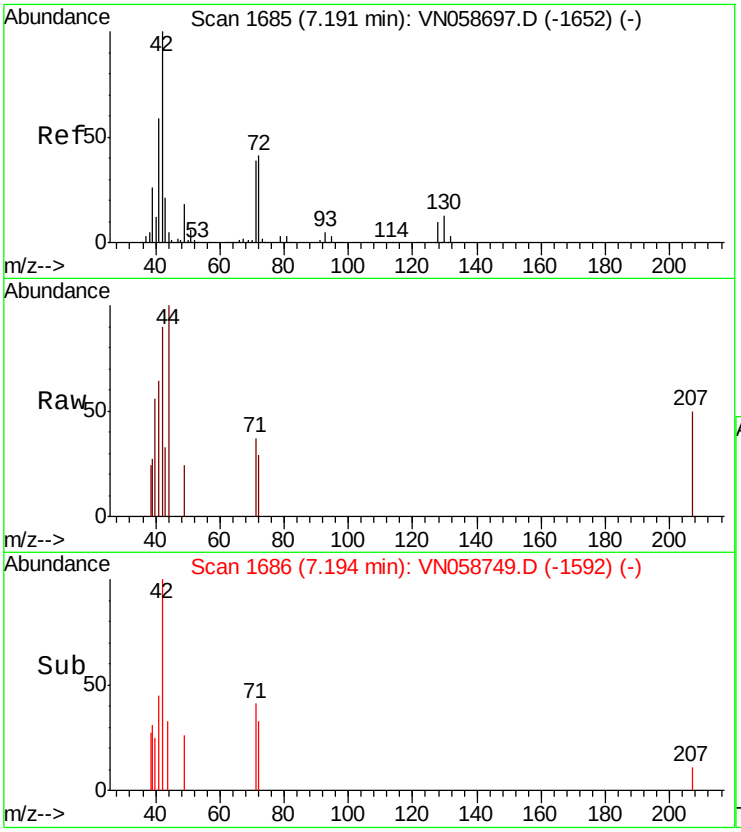




#26
2,2-Dichloropropane
Concen: 0.304 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 77 Resp: 2256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 5.5 | 10.7 | 31.9# |



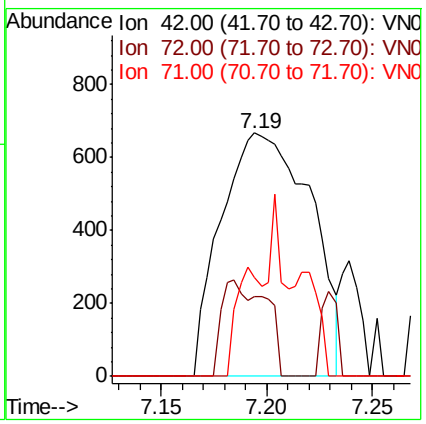


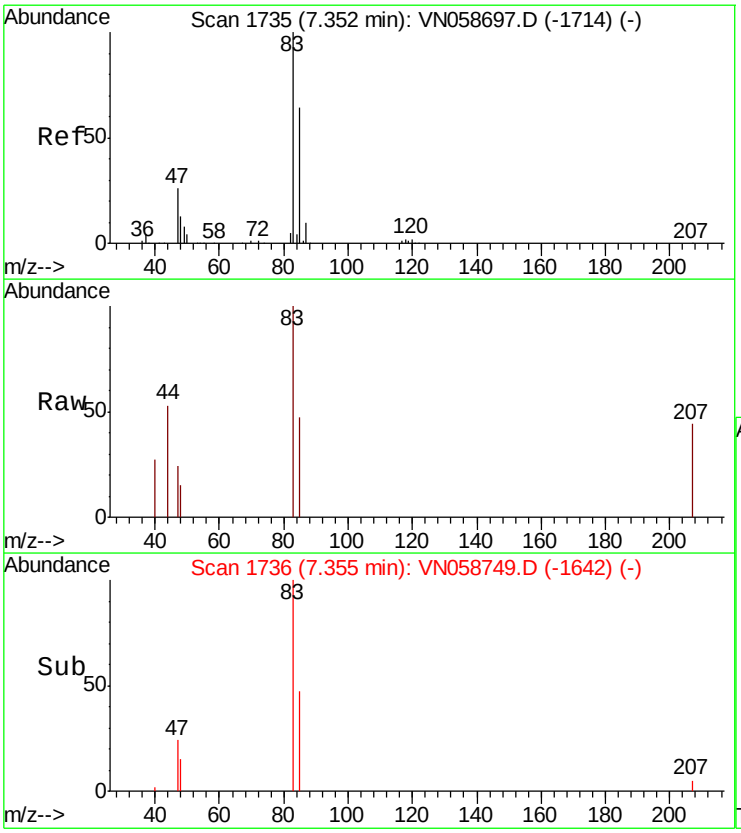

#29
Tetrahydrofuran
Concen: 0.964 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 42 Resp: 1976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 11.1 | 32.8 | 49.2# |
| 71 | 12.3 | 31.1 | 46.7# |

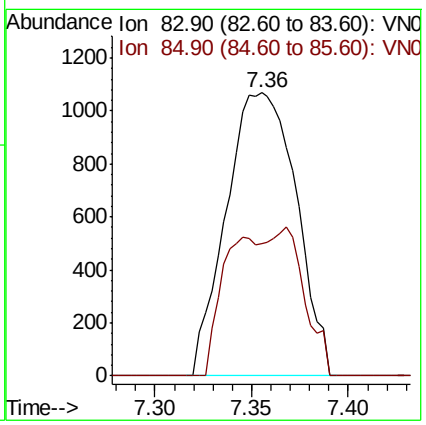


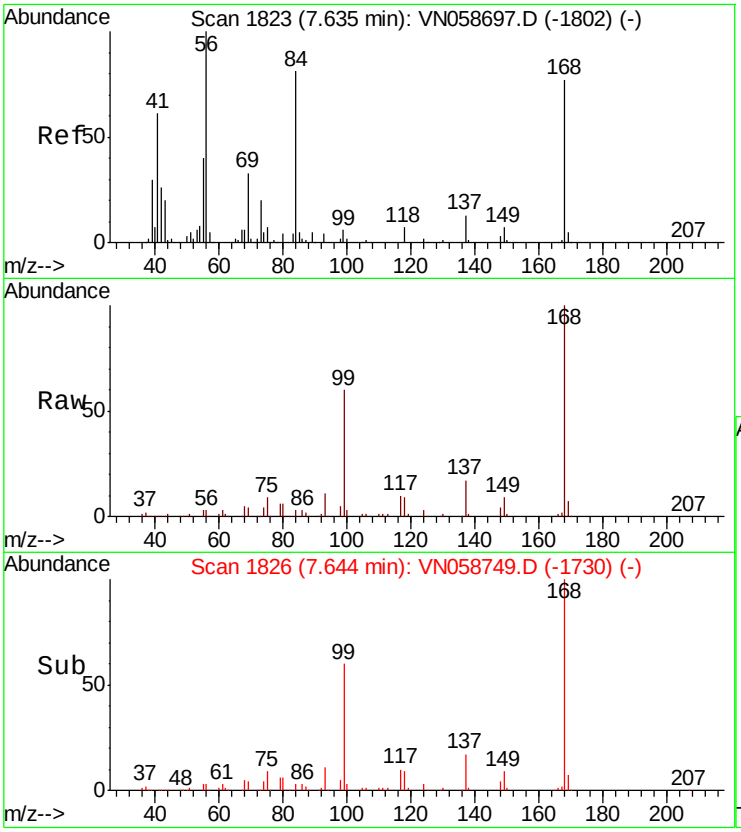




#30
Chloroform
Concen: 0.329 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 83 Resp: 2685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 46.8 | 51.0 | 76.6# |



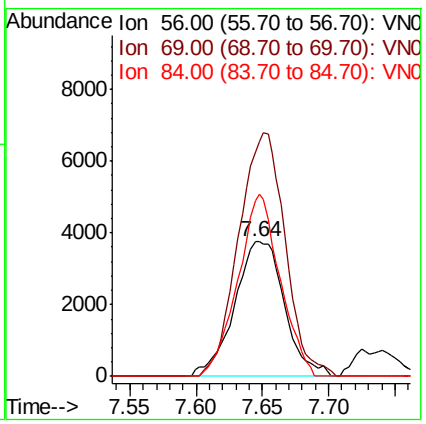


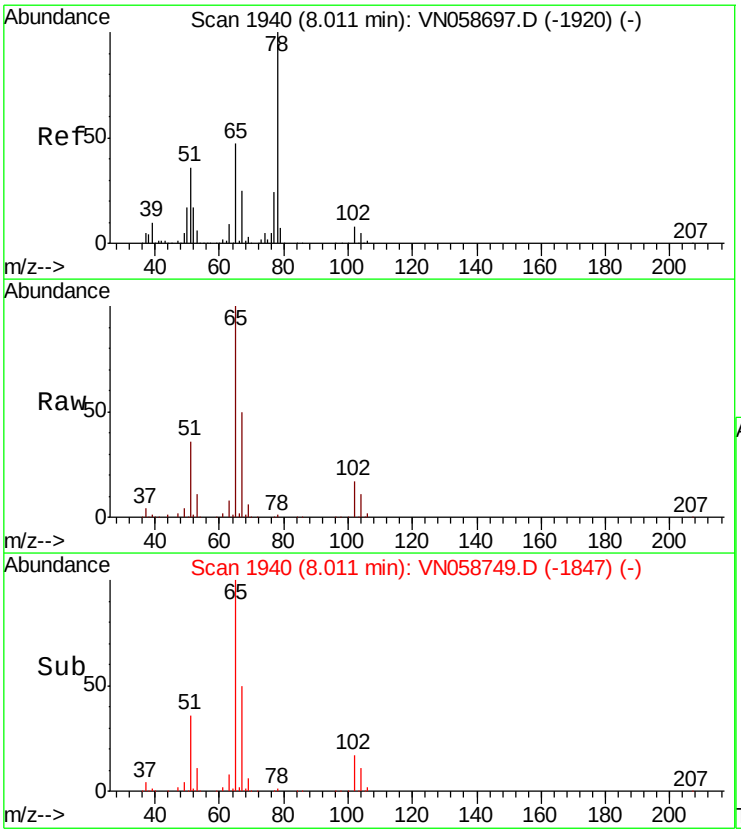

#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 56 Resp: 9839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 166.5 | 26.2 | 39.4# |
| 84 | 130.4 | 64.9 | 97.3# |

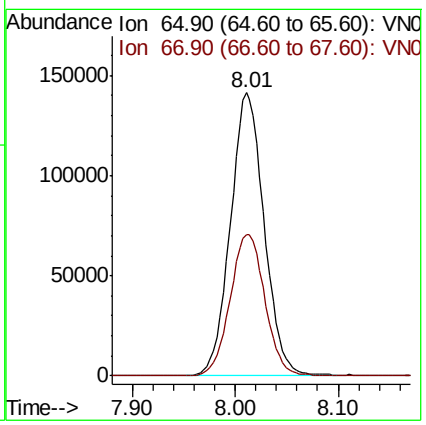


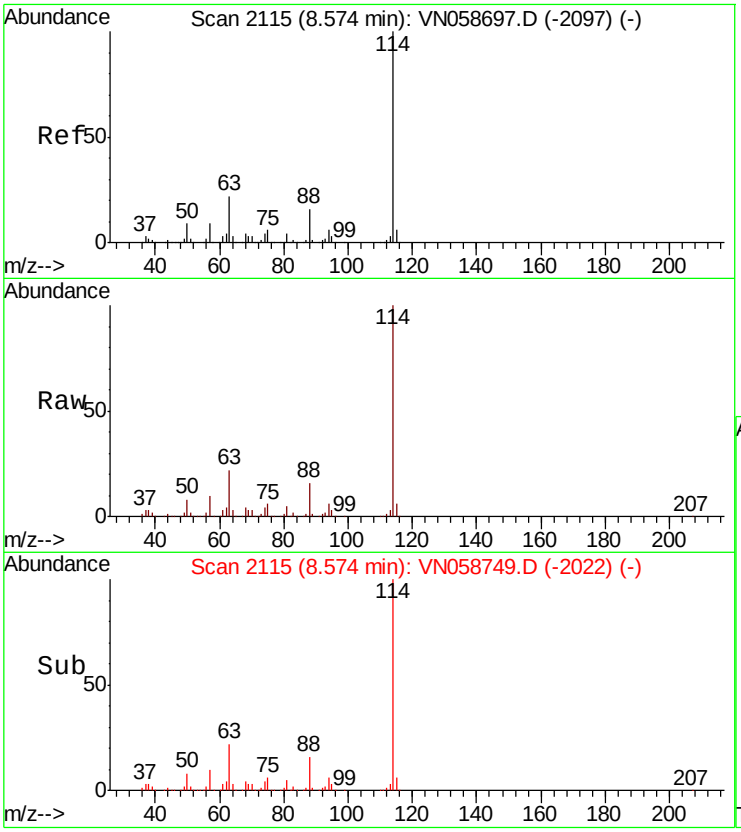




#33
1,2-Dichloroethane-d4
Concen: 60.697 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 65 Resp: 321668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.6 | 0.0 | 103.8 |



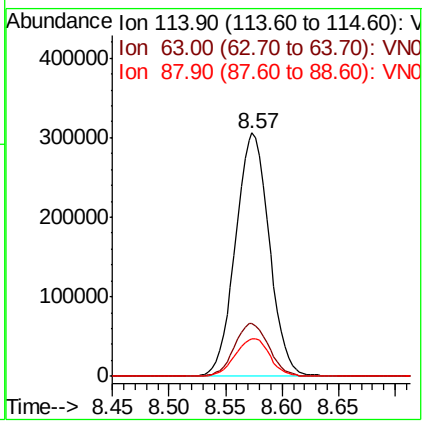


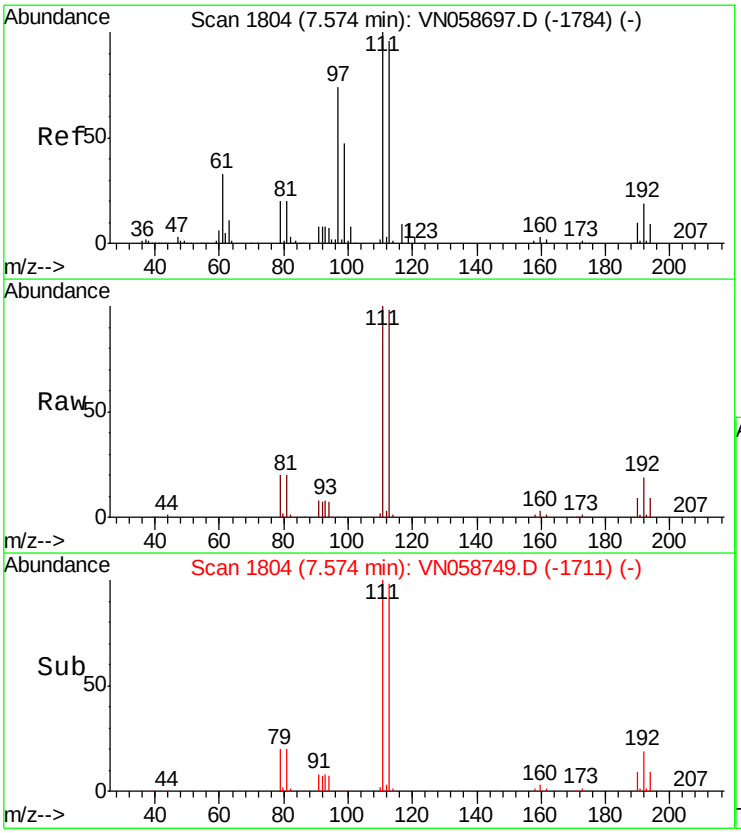

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:114 Resp: 636759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 43.8 |
| 88 | 15.6 | 0.0 | 32.0 |

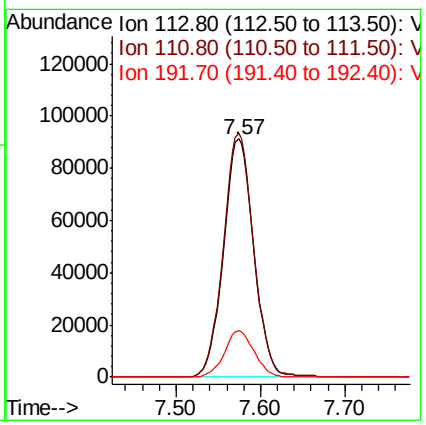


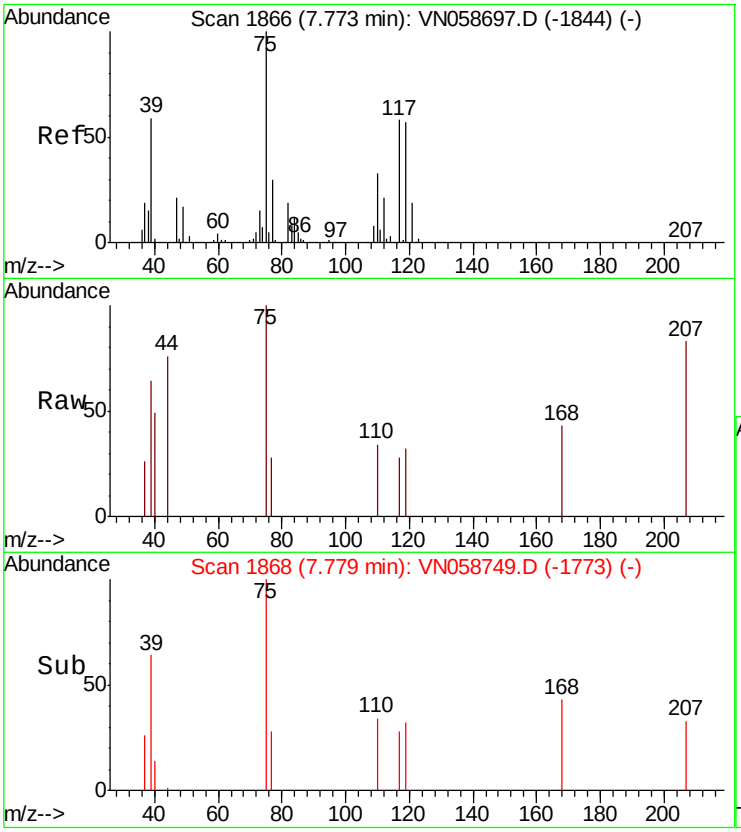




#35
Dibromofluoromethane
Concen: 57.819 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:113 Resp: 227411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 82.3 | 123.5 |
| 192 | 19.1 | 15.0 | 22.6 |



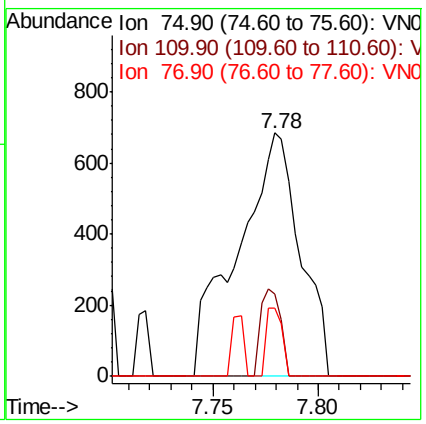


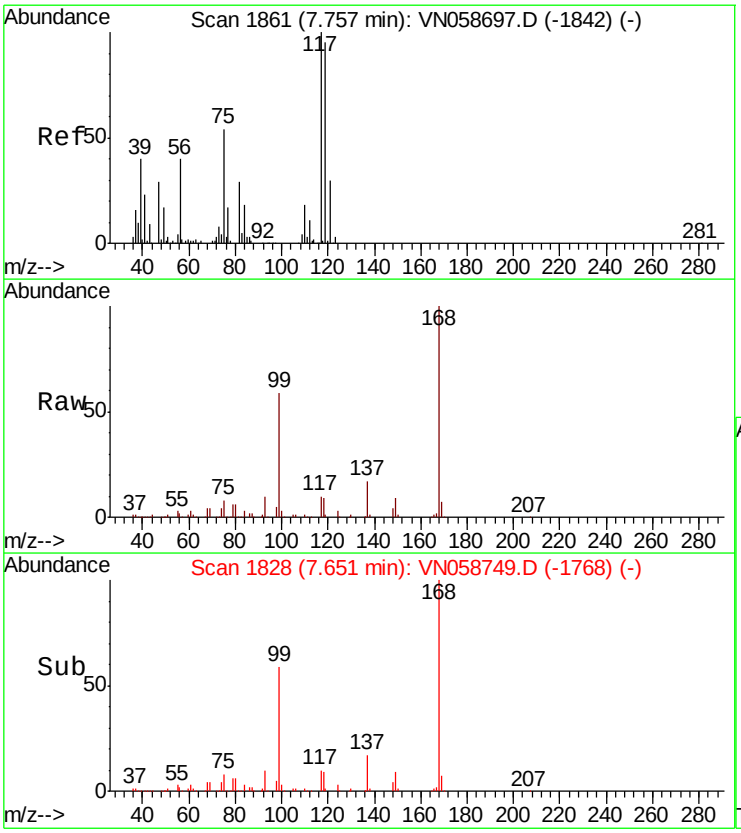

#36
1,1-Dichloropropene
Concen: 0.220 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 75 Resp: 1415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 11.4 | 16.6 | 49.8# |
| 77 | 7.3 | 24.6 | 37.0# |

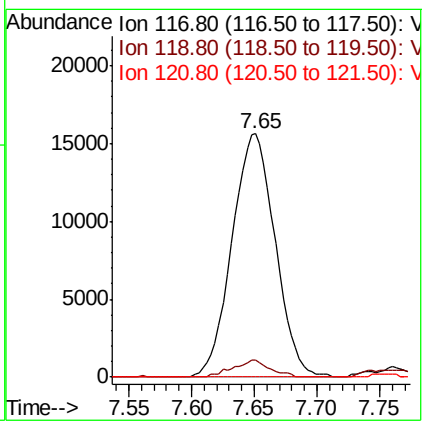


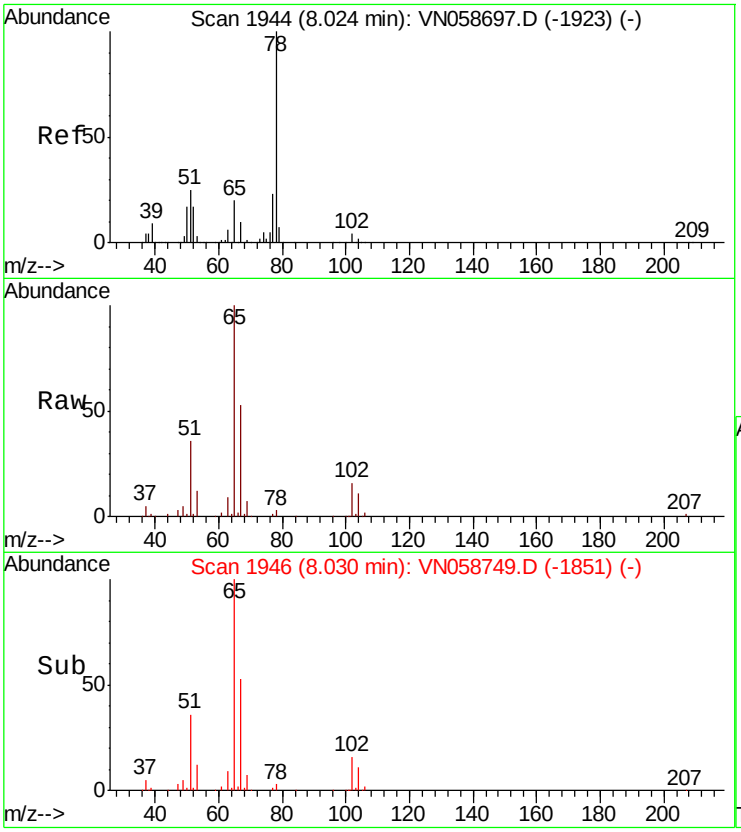




#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:117 Resp: 37372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 6.8 | 75.7 | 113.5# |
| 121 | 0.0 | 23.9 | 35.9# |



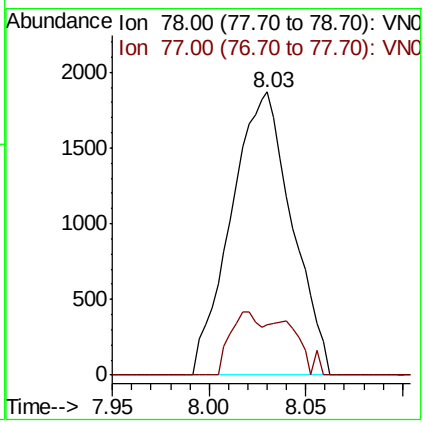


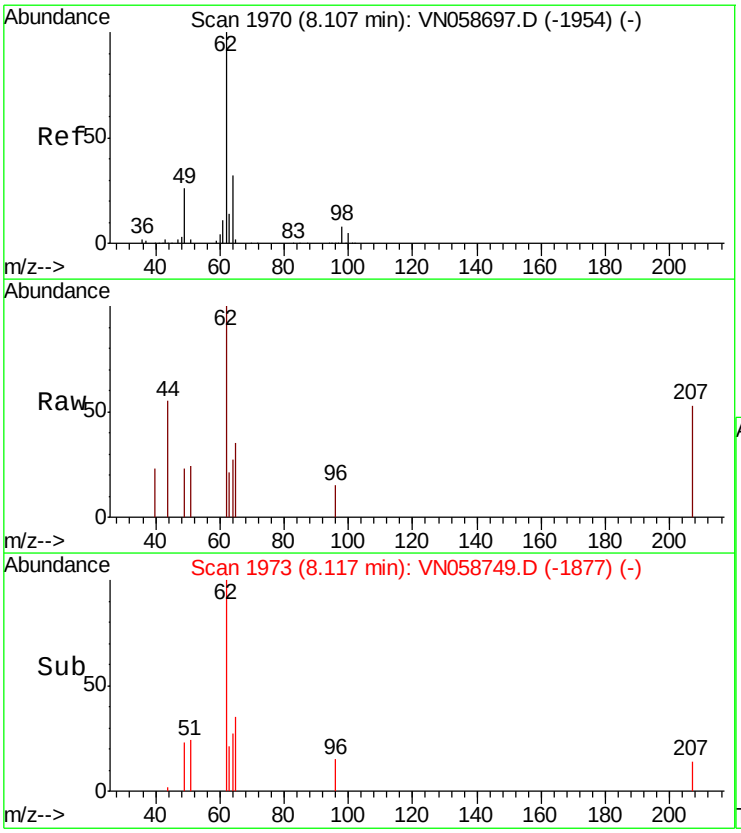

#40
Benzene
Concen: 0.221 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 78 Resp: 4087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 17.7 | 18.8 | 28.2# |

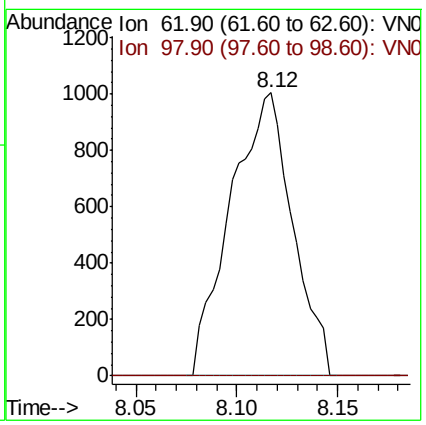


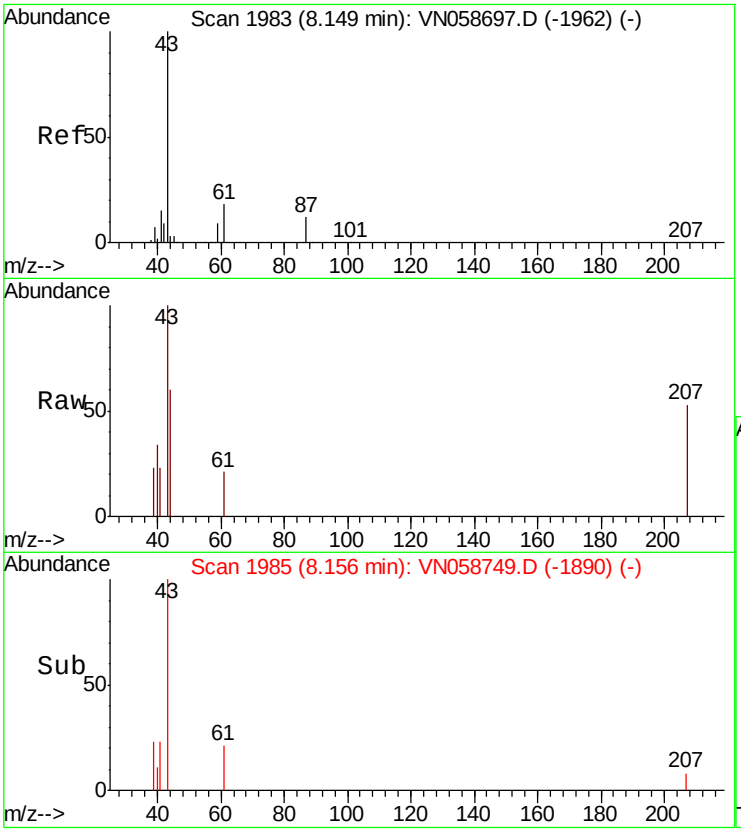




#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 62 Resp: 2154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 0.0 | 15.8 |



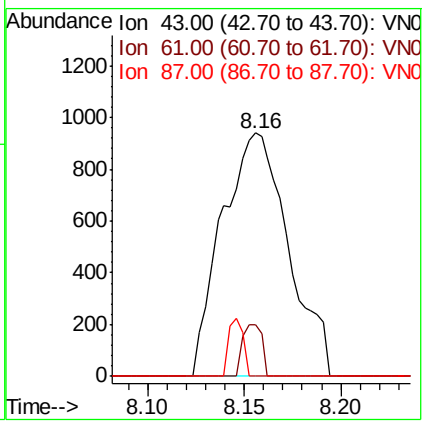


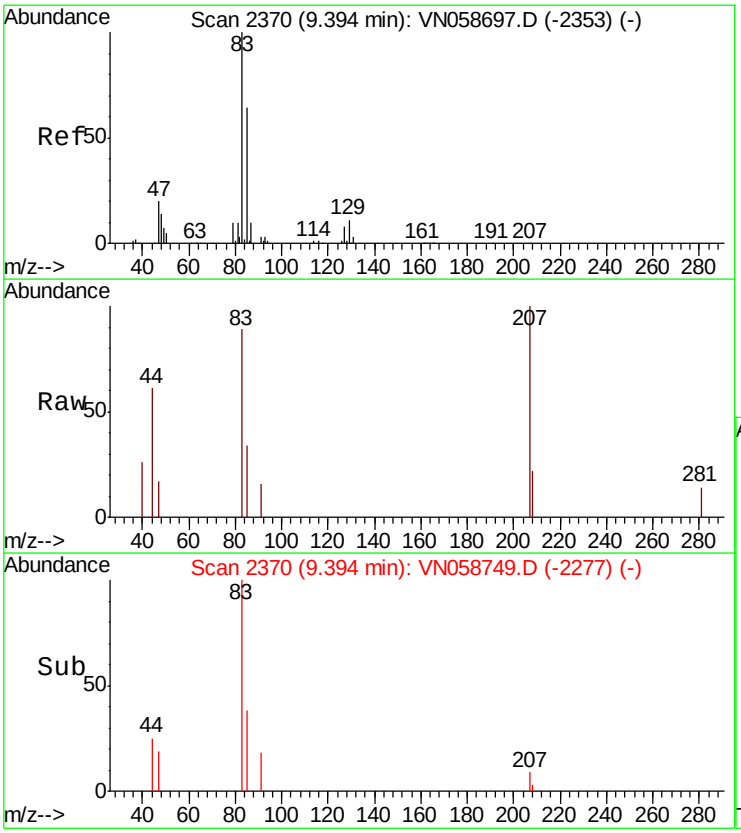

#43
Isopropyl Acetate
Concen: 0.202 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 43 Resp: 2243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 20.3 | 30.5# |
| 87 | 5.1 | 9.8 | 14.6# |

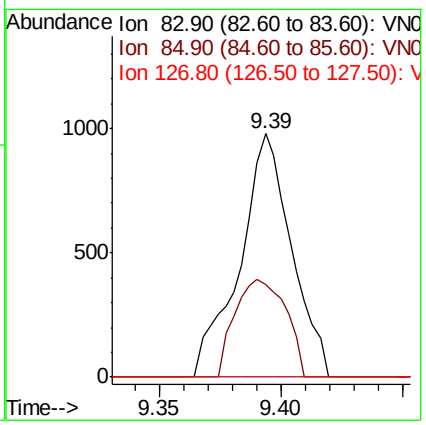


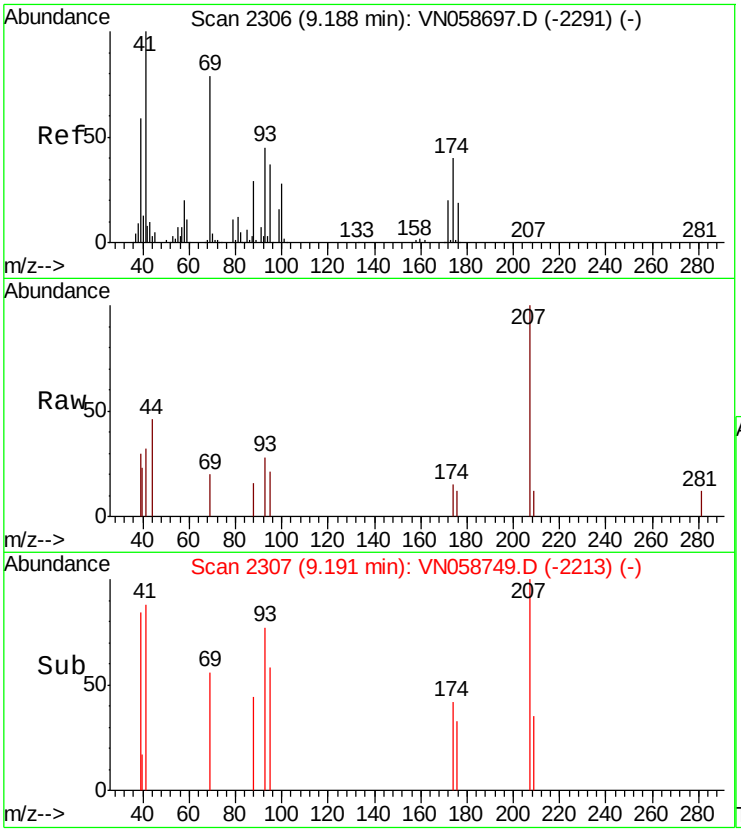




#47
Bromodichloromethane
Concen: 0.226 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 83 Resp: 1442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 38.0 | 50.9 | 76.3# |
| 127 | 0.0 | 6.3 | 9.5# |



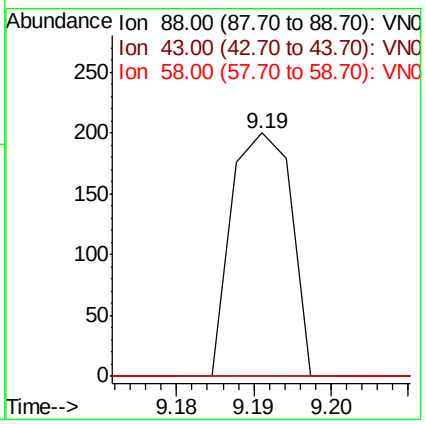


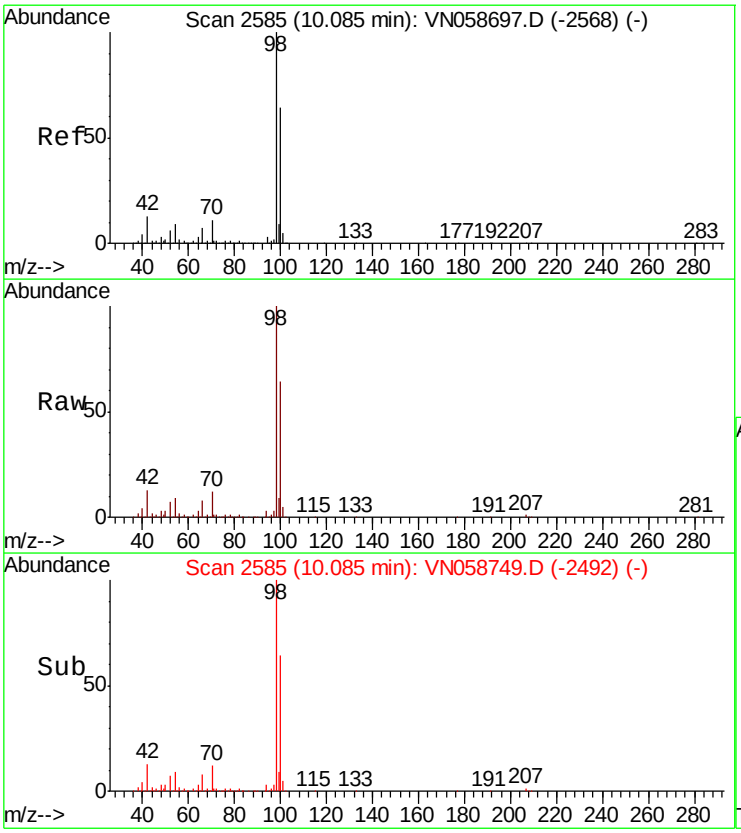

#49
1,4-Dioxane
Concen: 1.376 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 88 Resp: 107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 28.6 | 43.0# |
| 58 | 0.0 | 57.2 | 85.8# |

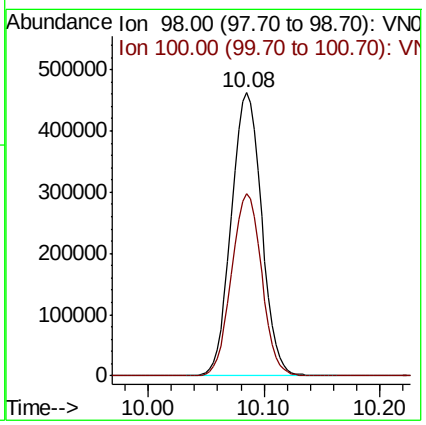


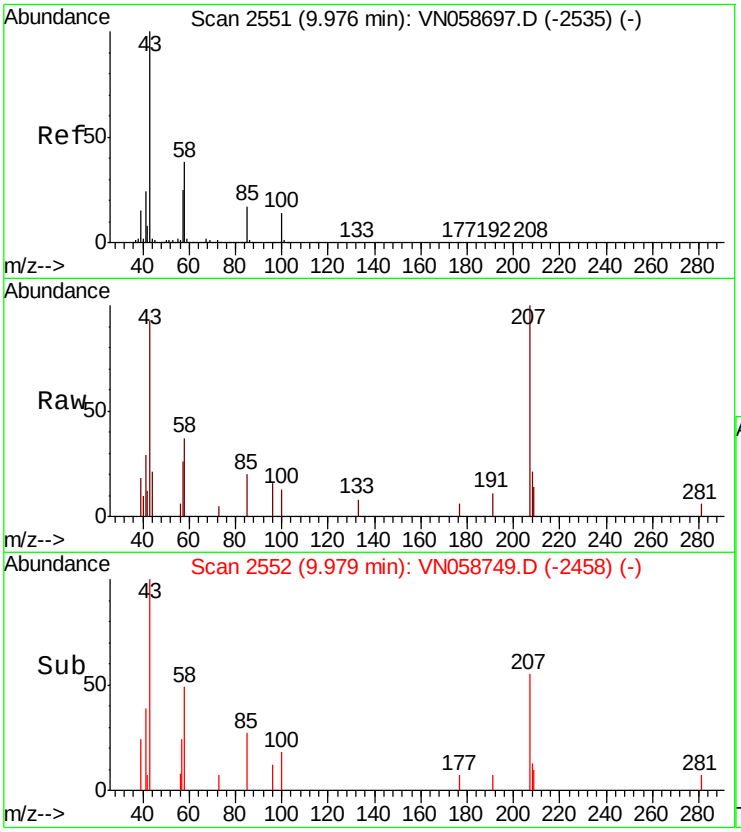




#50
Toluene-d8
Concen: 53.376 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 98 Resp: 839503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.2 | 51.1 | 76.7 |



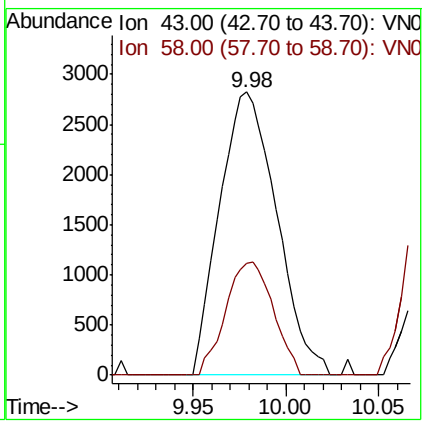


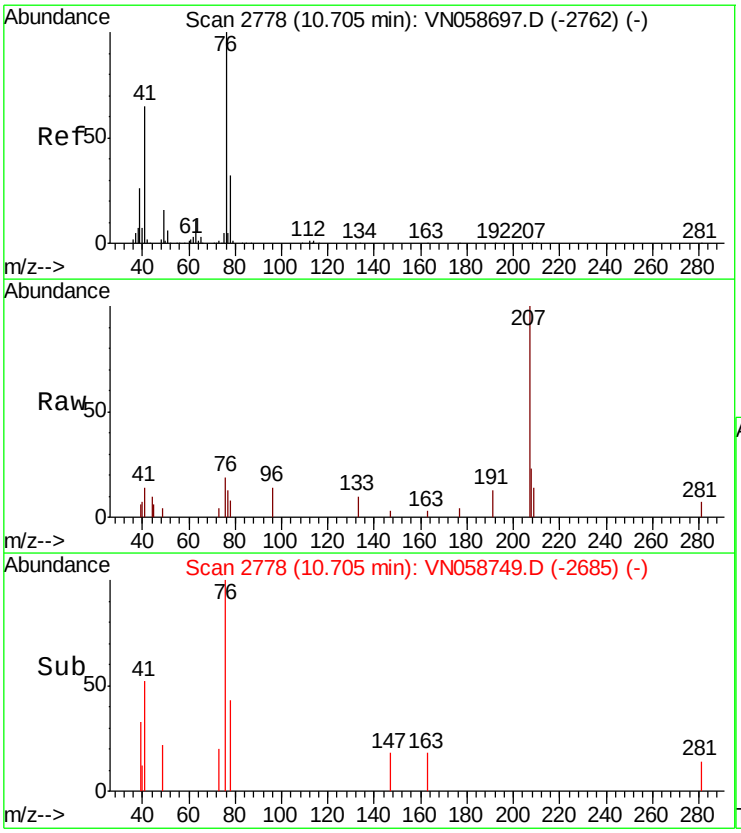

#51
4-Methyl-2-Pentanone
Concen: 0.972 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 43 Resp: 6056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.2 | 30.3 | 45.5 |

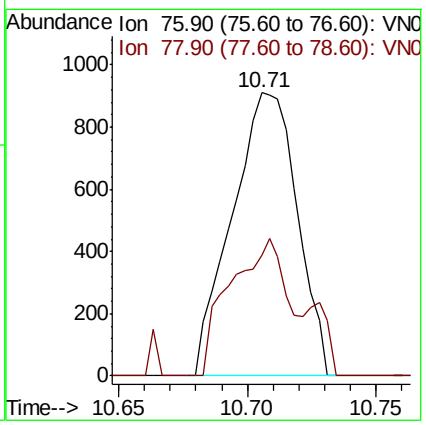


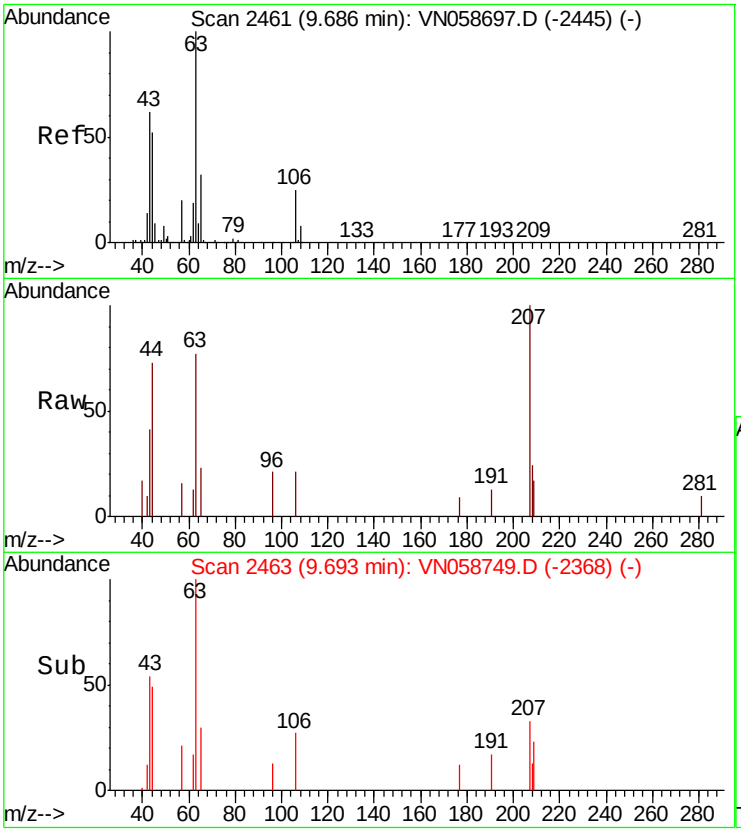




#57
1,3-Dichloropropane
Concen: 0.203 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 76 Resp: 1603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 43.9 | 25.9 | 38.9# |



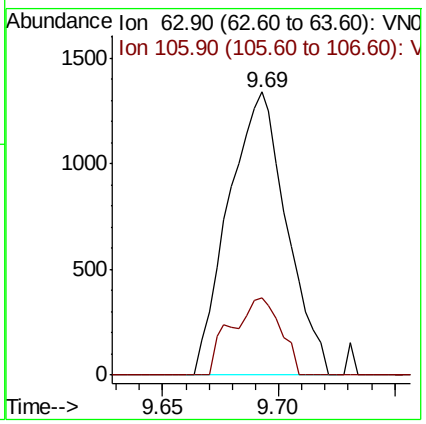


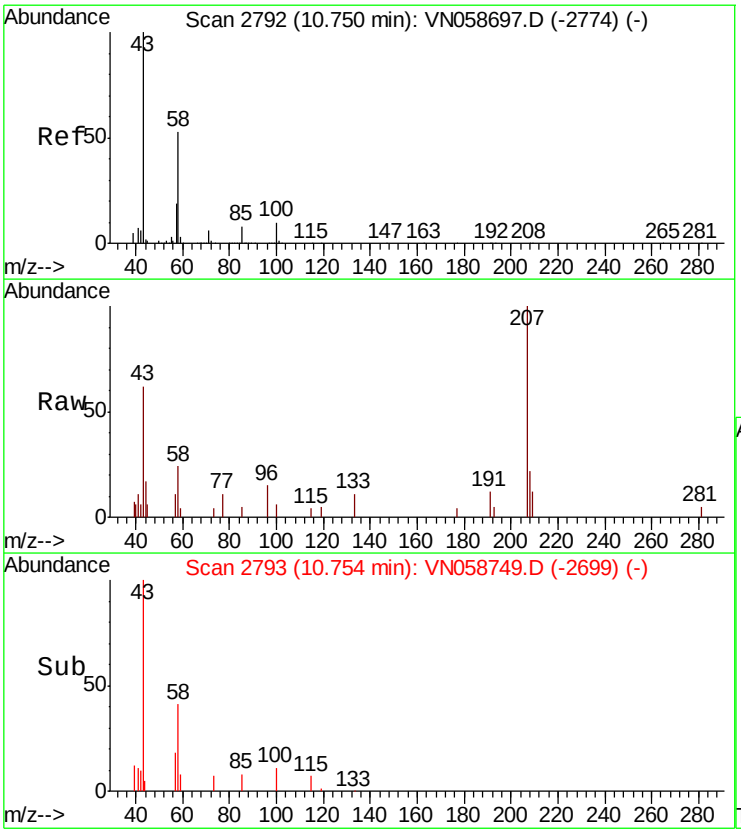

#58
2-Chloroethyl Vinyl ether
Concen: 0.716 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.01 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 63 Resp: 2334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 23.1 | 20.0 | 30.0 |

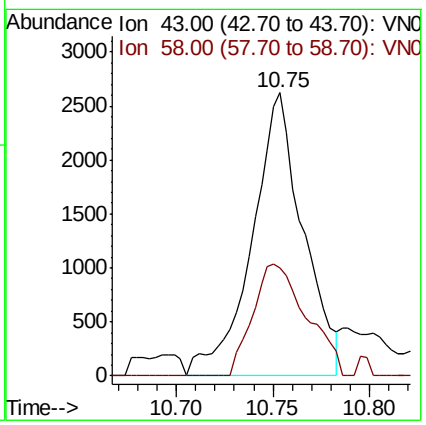


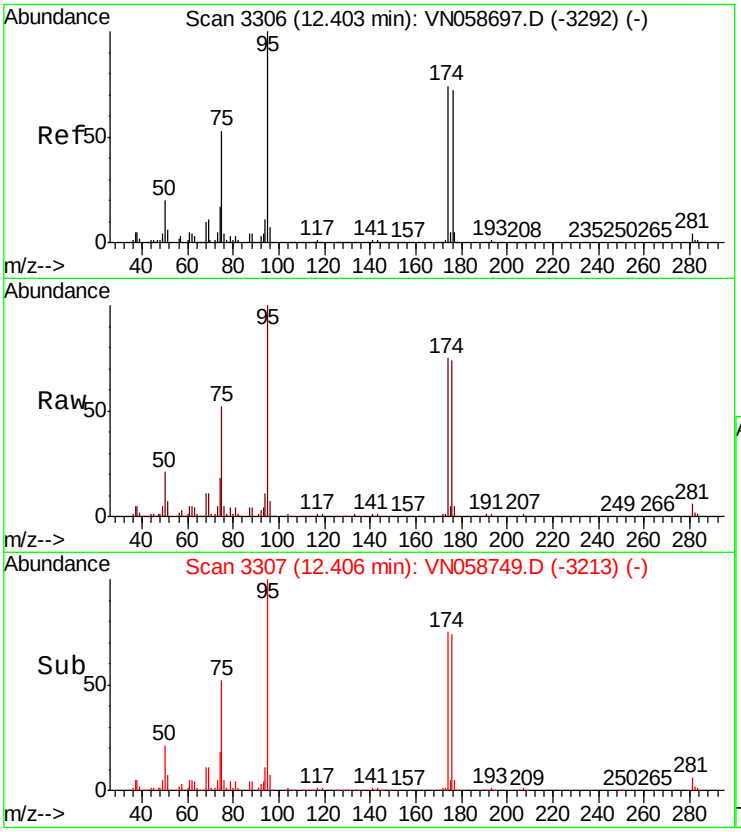




#59
2-Hexanone
Concen: 1.000 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 43 Resp: 4812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.6 | 26.1 | 78.3 |



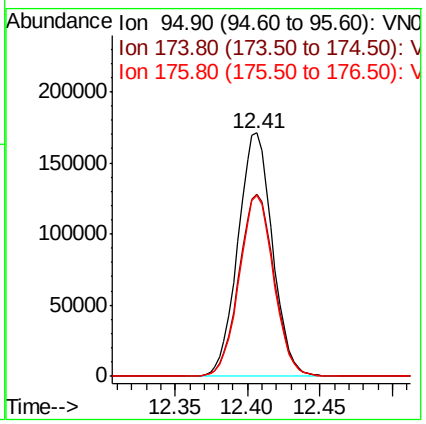


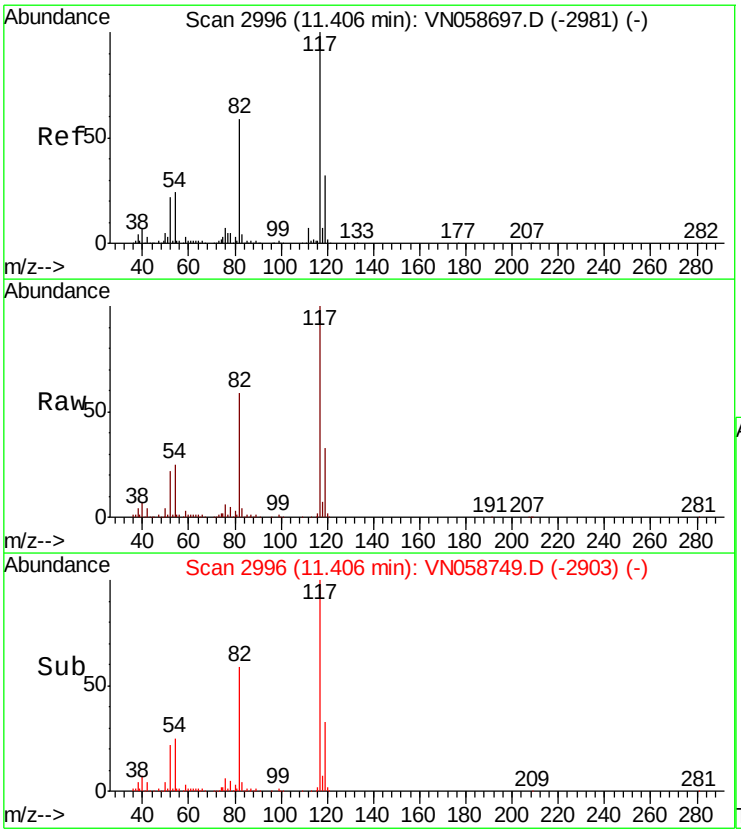

#62
4-Bromofluorobenzene
Concen: 47.657 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 95 Resp: 283724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.3 | 0.0 | 150.4 |
| 176 | 74.0 | 0.0 | 146.8 |

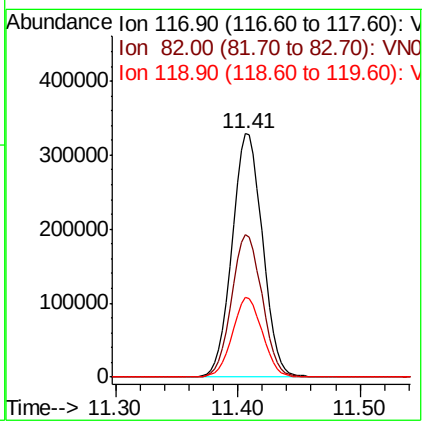


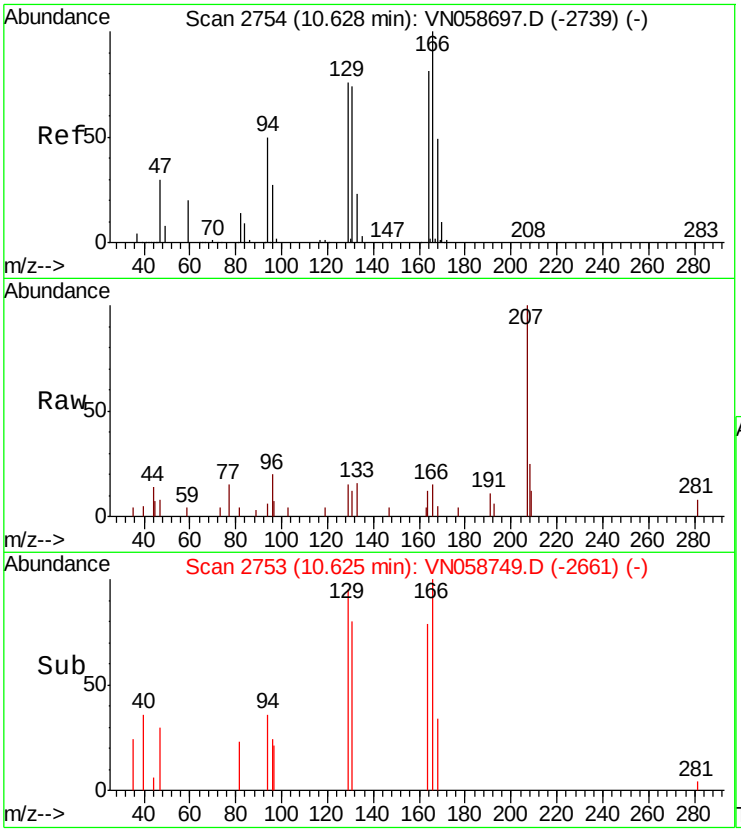




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:117 Resp: 570059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.7 | 47.0 | 70.4 |
| 119 | 32.5 | 25.4 | 38.2 |



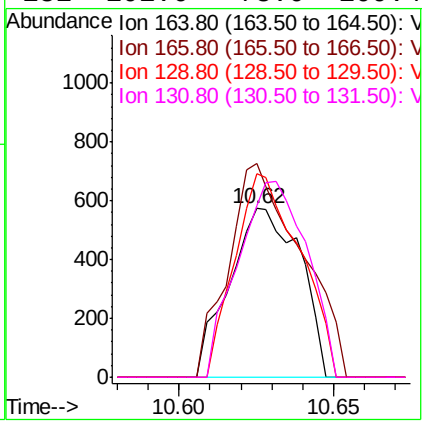


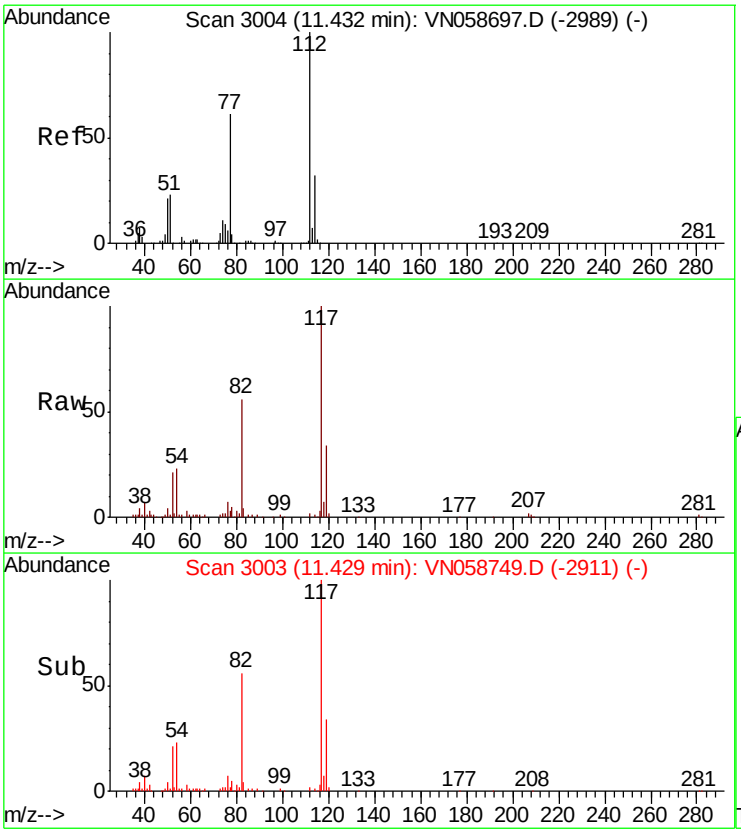

#64
Tetrachloroethene
Concen: 0.228 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:164 Resp: 911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 126.7 | 99.3 | 148.9 |
| 129 | 120.9 | 75.2 | 112.8# |
| 131 | 101.6 | 73.0 | 109.4 |

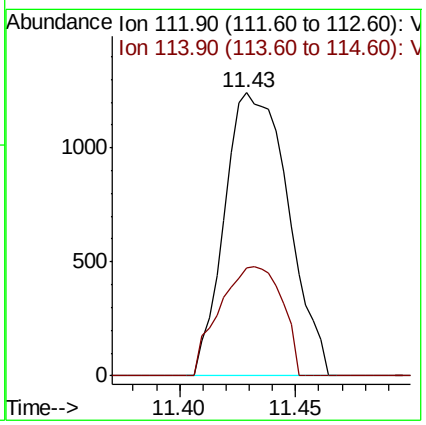


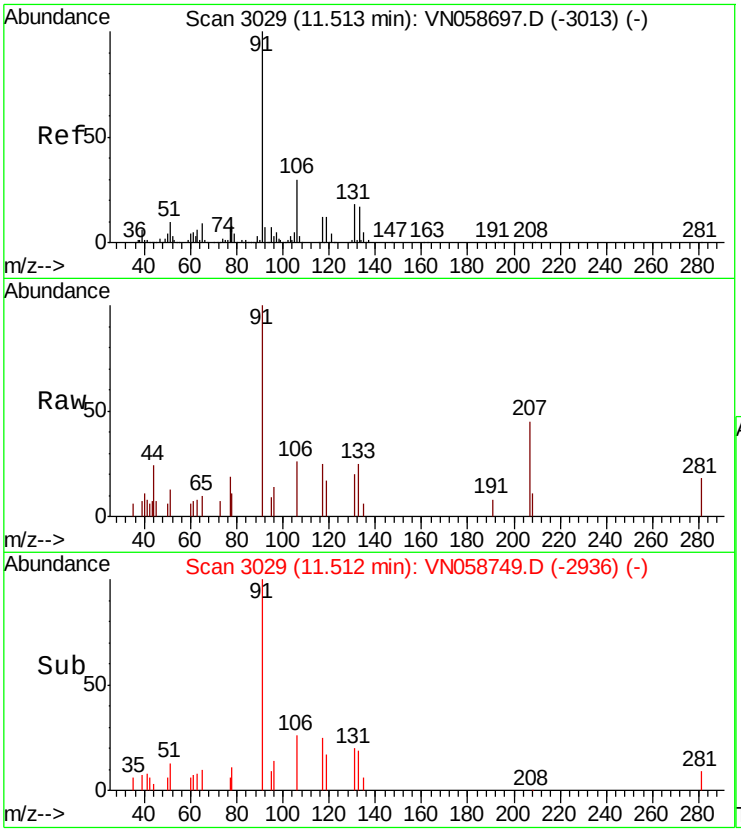




#65
Chlorobenzene
Concen: 0.205 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:112 Resp: 2368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 38.0 | 25.2 | 37.8# |



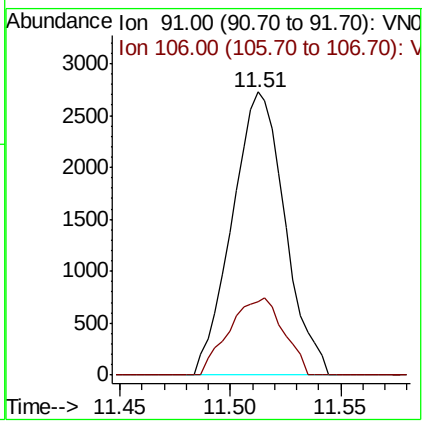


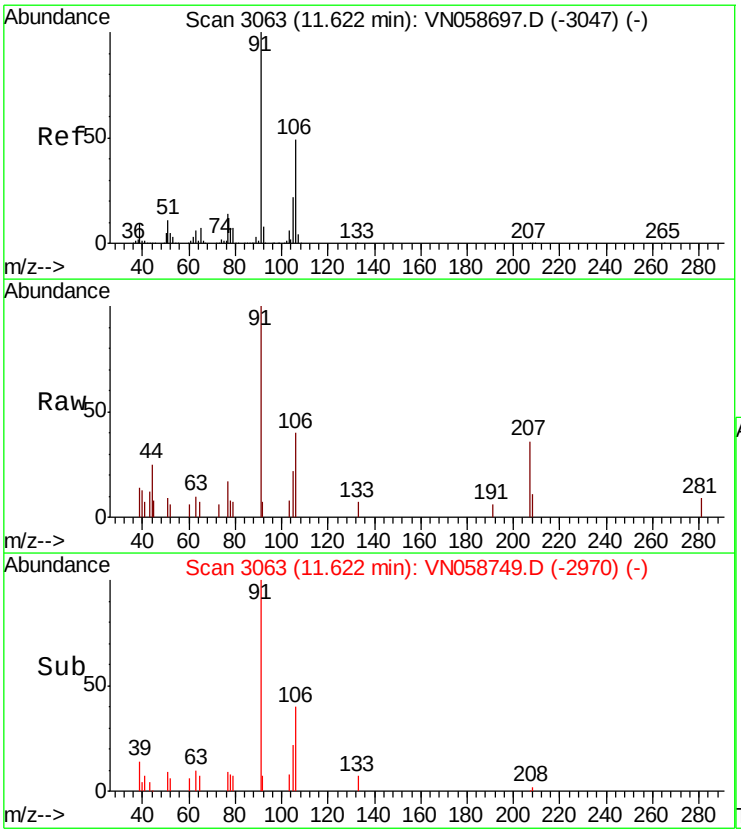

#67
Ethyl Benzene
Concen: 0.220 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 91 Resp: 4542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.9 | 24.1 | 36.1 |

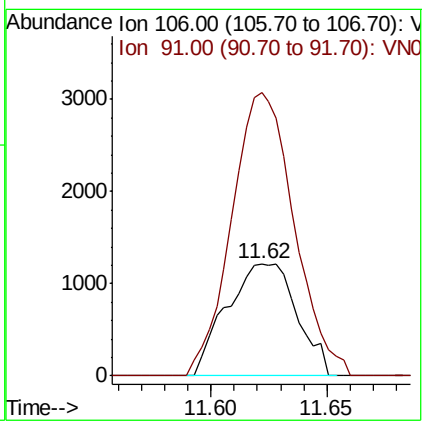


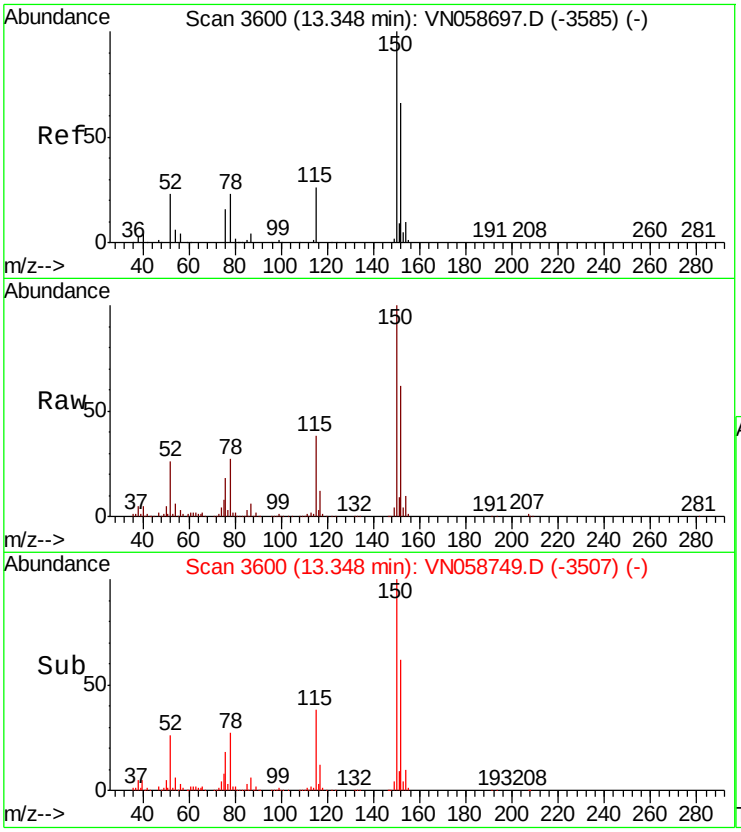




#68
m/p-Xylenes
Concen: 0.329 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:106 Resp: 2551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.4 | 165.7 | 248.5 |



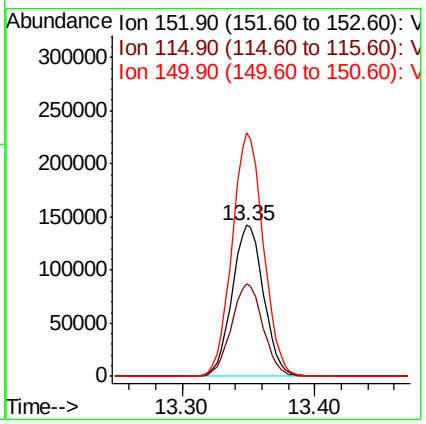


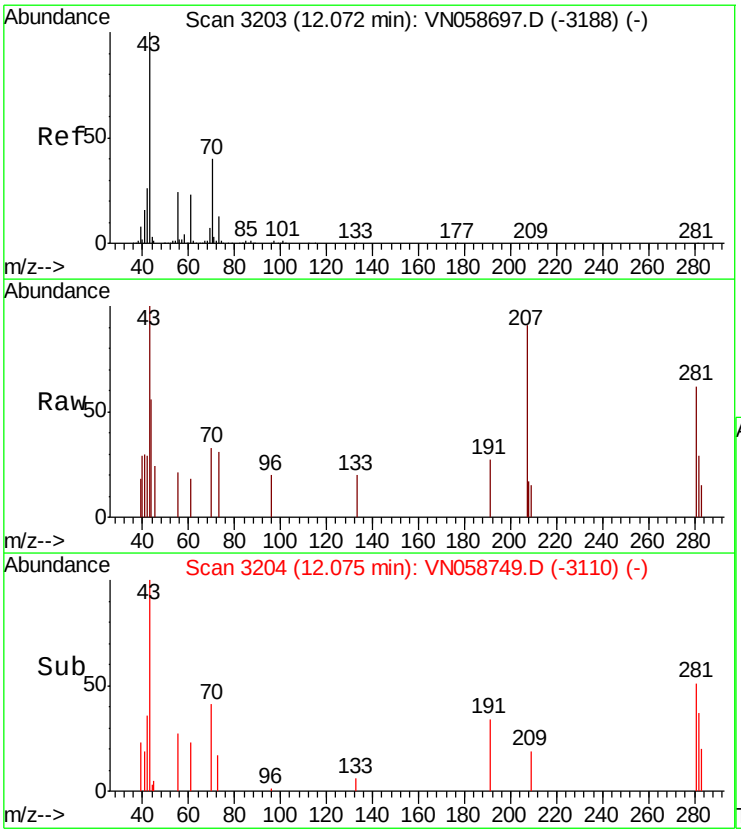

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:152 Resp: 234641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.6 | 30.4 | 91.2 |
| 150 | 160.1 | 0.0 | 345.4 |

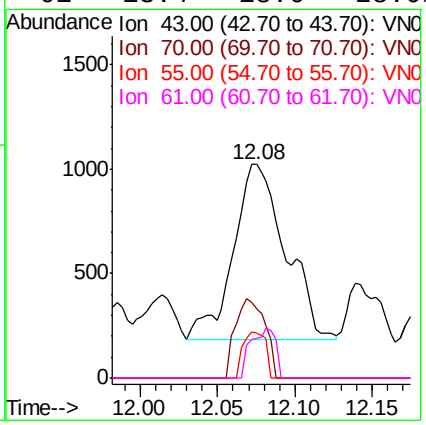


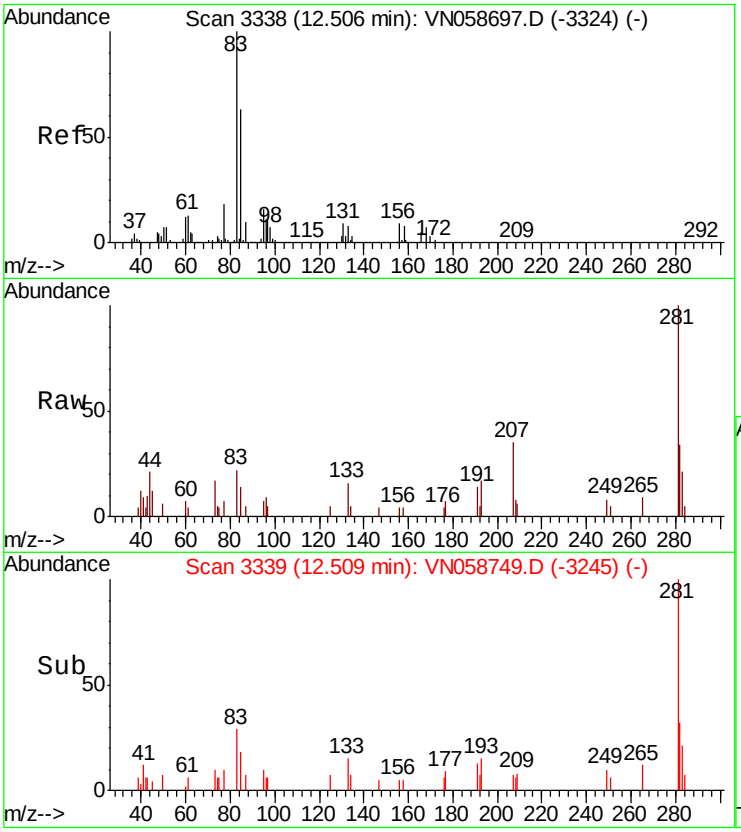




#74
N-amyl acetate
Concen: 0.259 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 43 Resp: 1979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 25.5 | 32.2 | 48.4# |
| 55 | 11.4 | 19.6 | 29.4# |
| 61 | 13.4 | 18.6 | 28.0# |



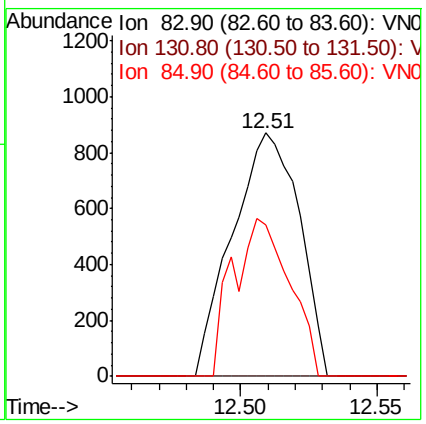


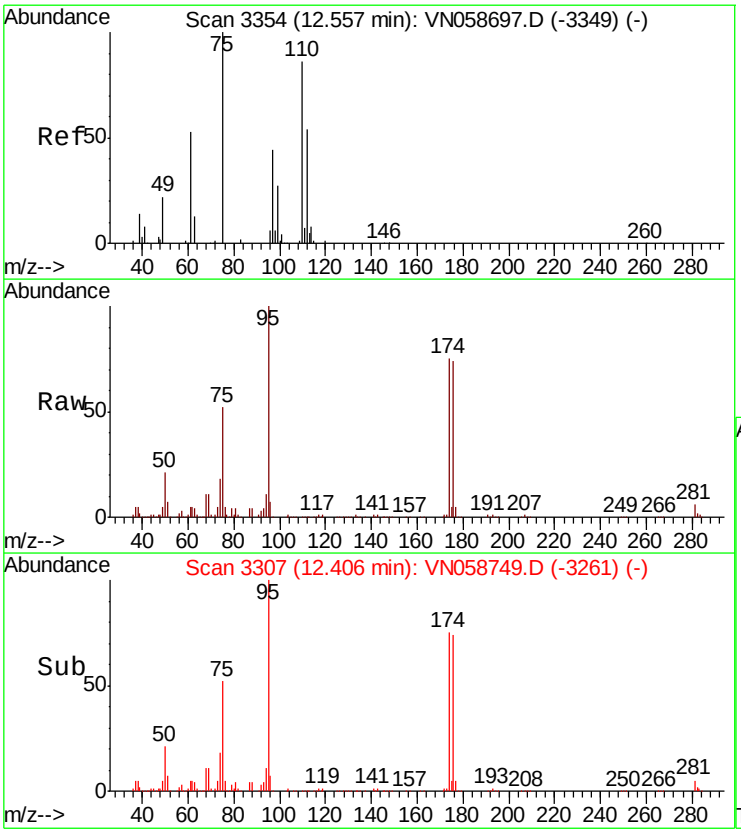

#75
1,1,2,2-Tetrachloroethane
Concen: 0.265 ug/l
RT: 12.51 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 83 Resp: 1483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 0.0 | 4.8 | 14.4# |
| 85 | 54.9 | 31.9 | 95.5 |

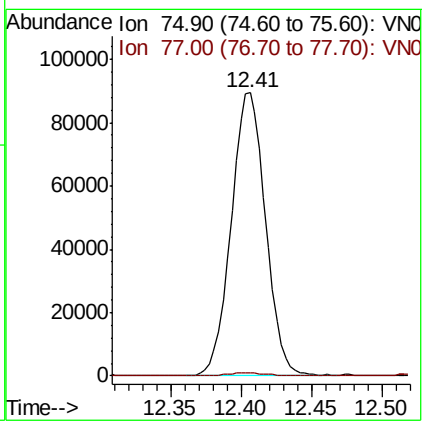


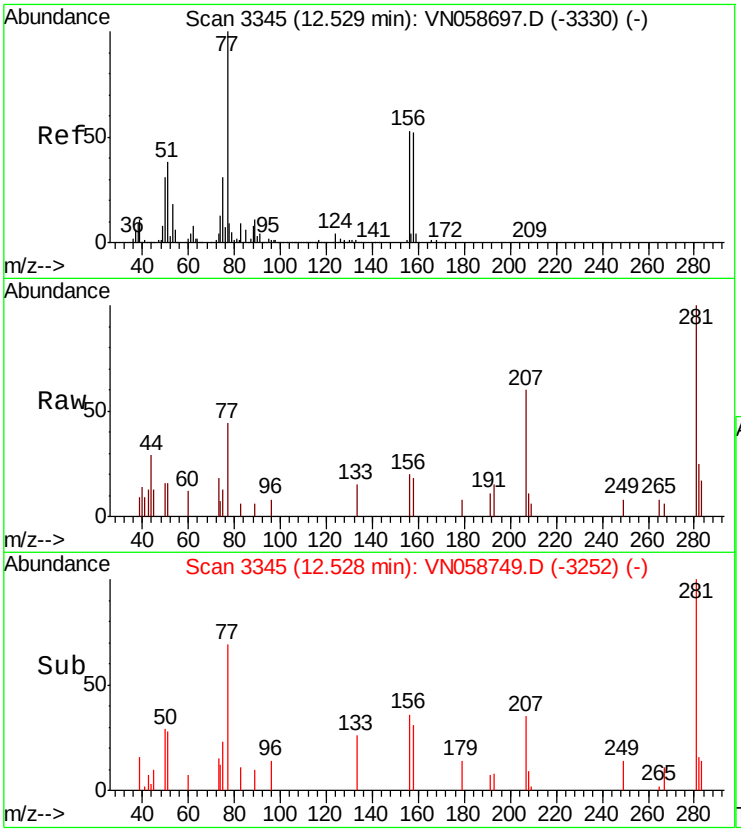




#76
1,2,3-Trichloropropane
Concen: 29.692 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.15 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 75 Resp: 152839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 0.0 | 0.0# |



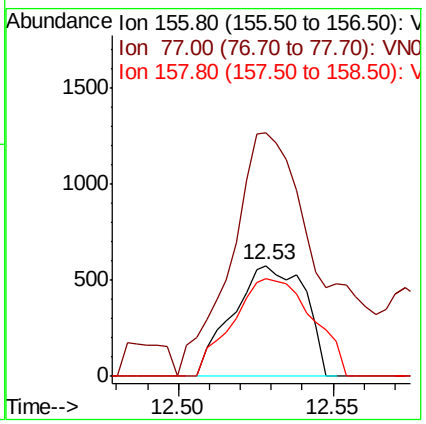


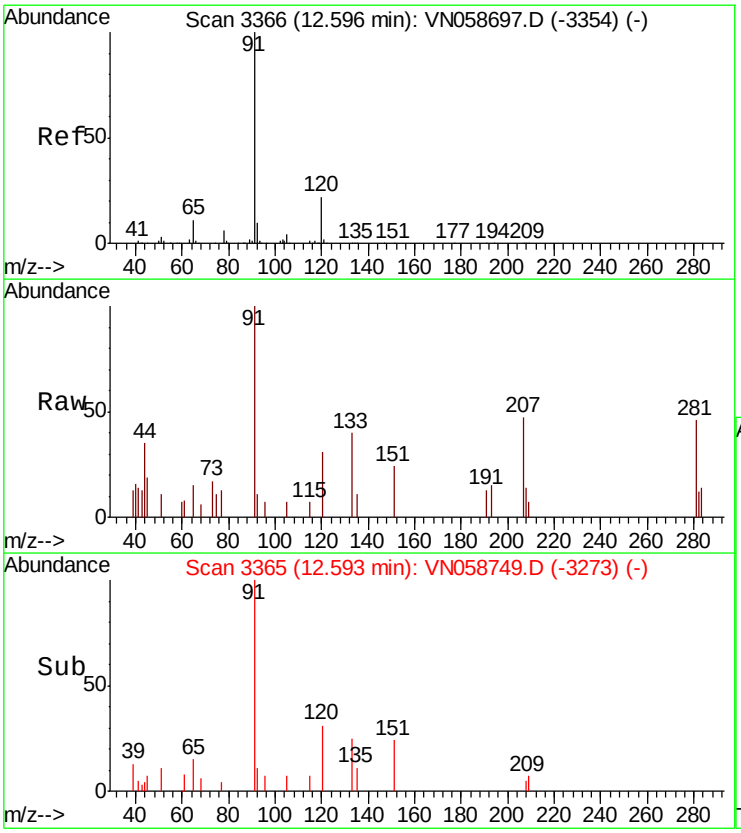

#77
Bromobenzene
Concen: 0.226 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:156 Resp: 933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 266.3 | 115.8 | 347.3 |
| 158 | 97.3 | 48.9 | 146.6 |

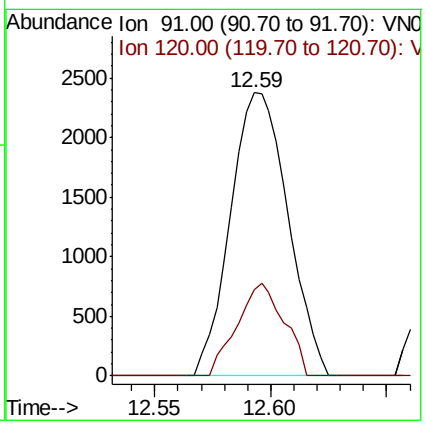


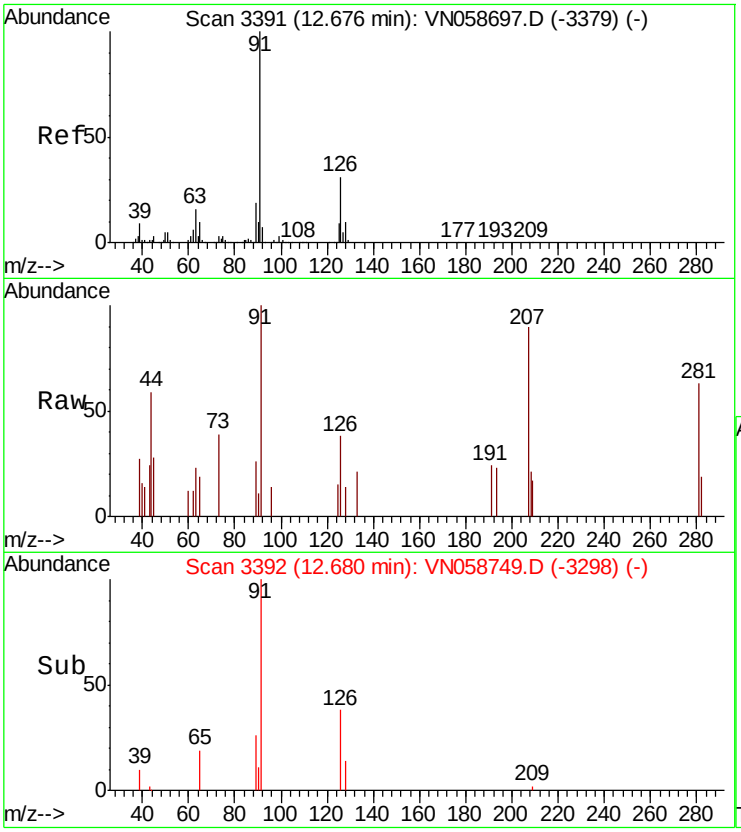




#78
n-propylbenzene
Concen: 0.206 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 91 Resp: 4083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 26.8 | 11.1 | 33.3 |



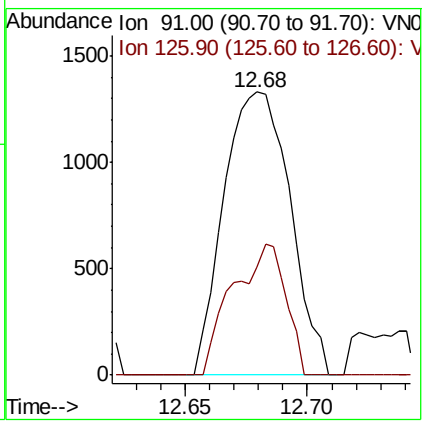


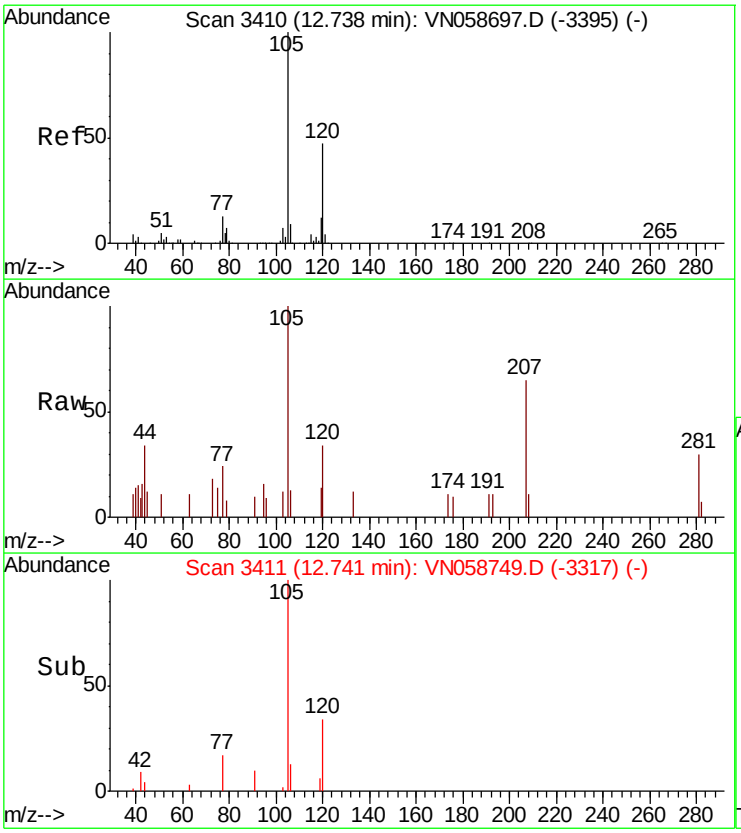

#79
2-Chlorotoluene
Concen: 0.205 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 91 Resp: 2516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 37.2 | 16.2 | 48.5 |

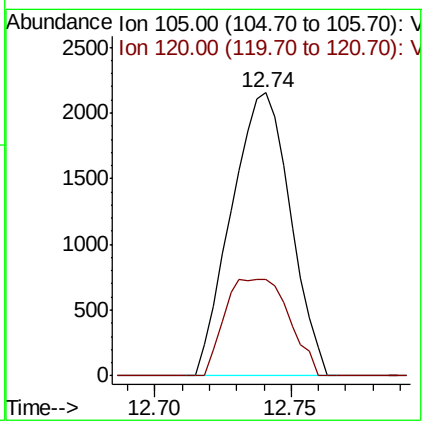


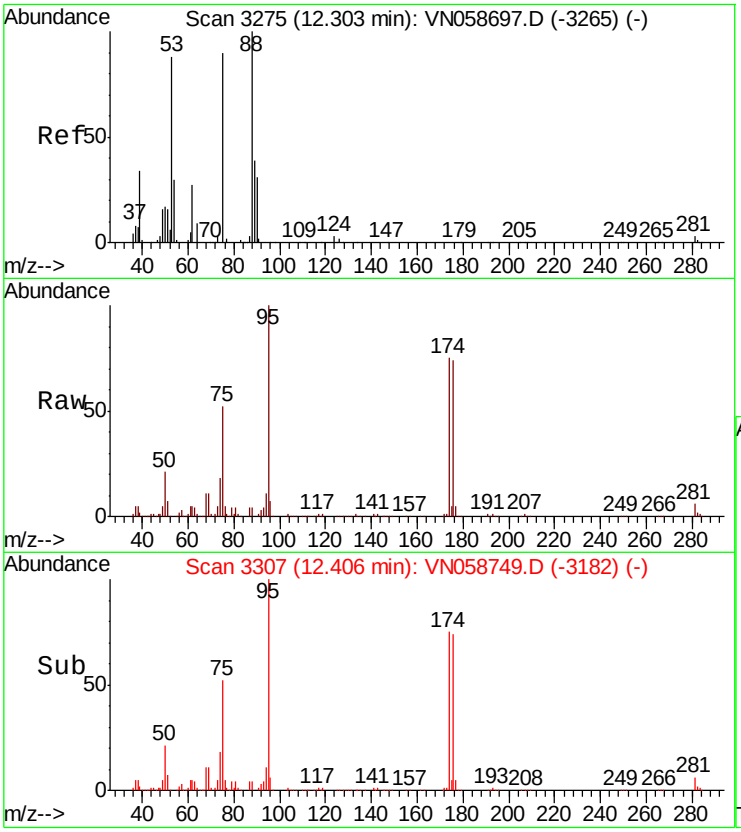




#80
1,3,5-Trimethylbenzene
Concen: 0.223 ug/l
RT: 12.74 min Scan# 3411
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:105 Resp: 3230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 37.2 | 23.4 | 70.2 |



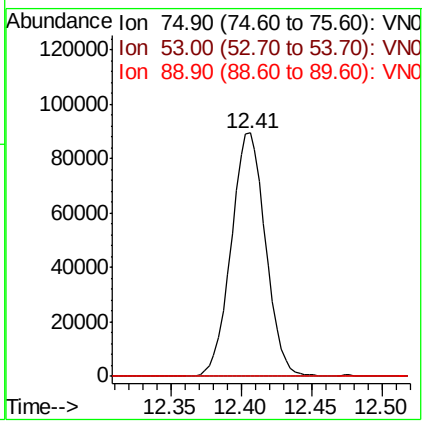


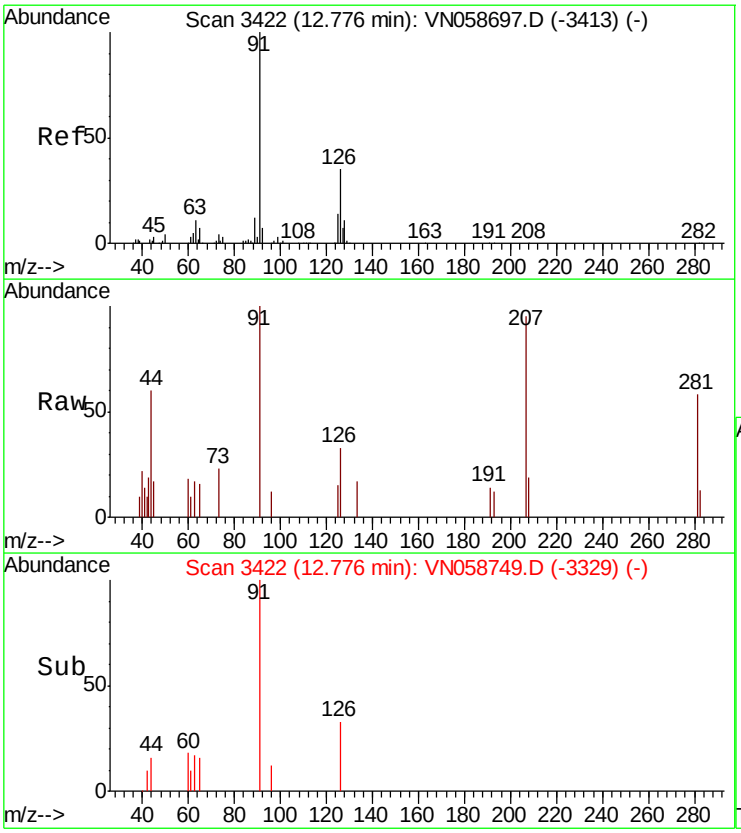

#81
trans-1,4-Dichloro-2-butene
Concen: 79.536 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion: 75 Resp: 152839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 78.4 | 117.6# |
| 89 | 0.0 | 34.9 | 52.3# |

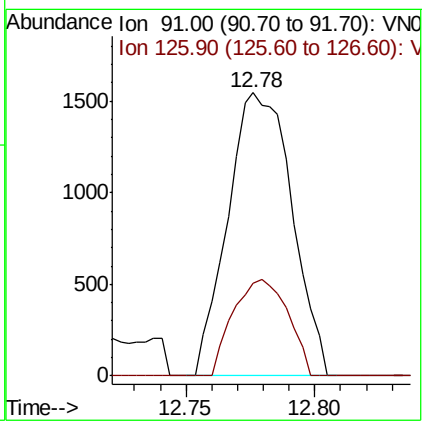


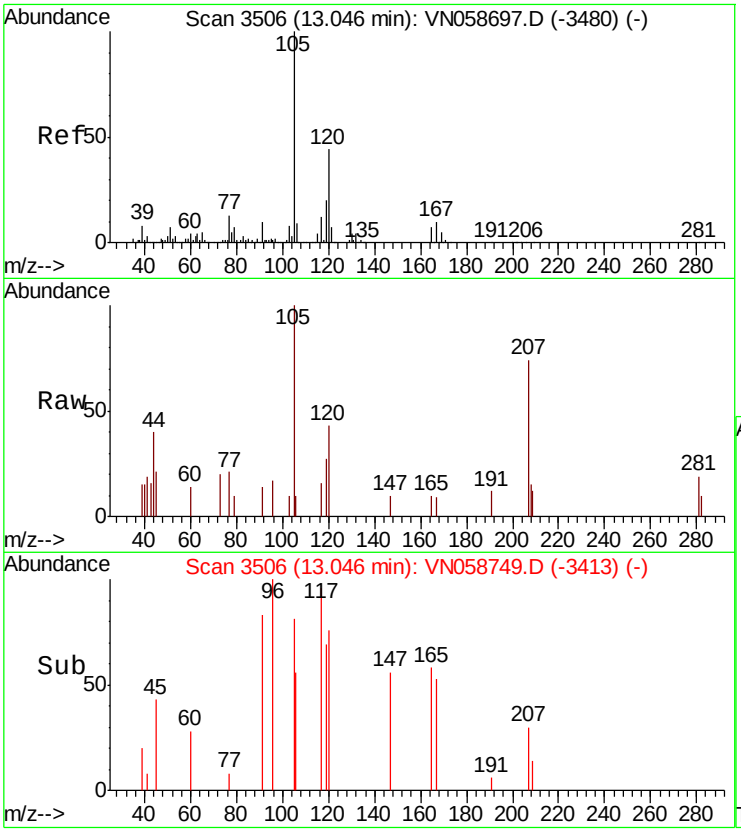




#82
4-Chlorotoluene
Concen: 0.212 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion: 91 Resp: 2677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 15.9 | 47.6 |



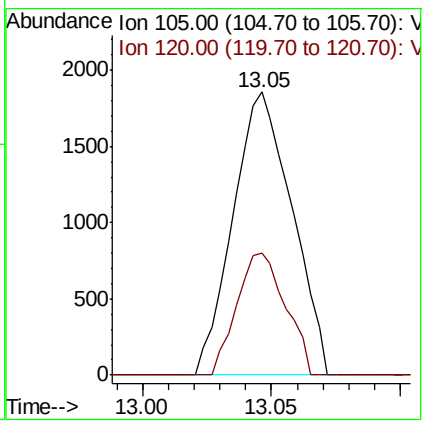


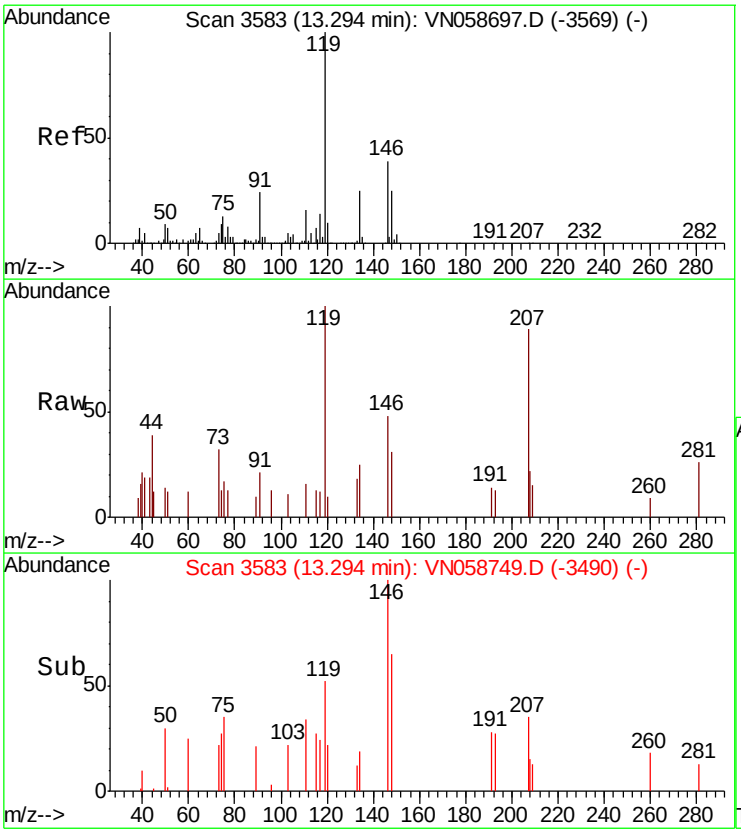

#84
1,2,4-Trimethylbenzene
Concen: 0.205 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:105 Resp: 2959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 35.5 | 21.9 | 65.7 |

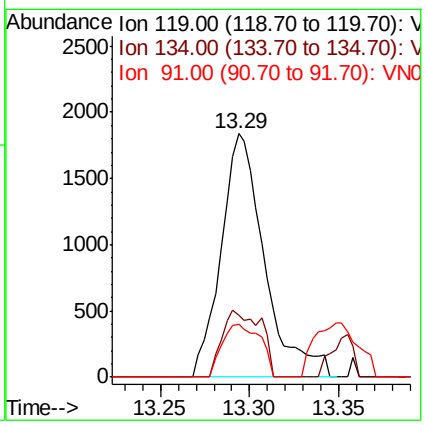


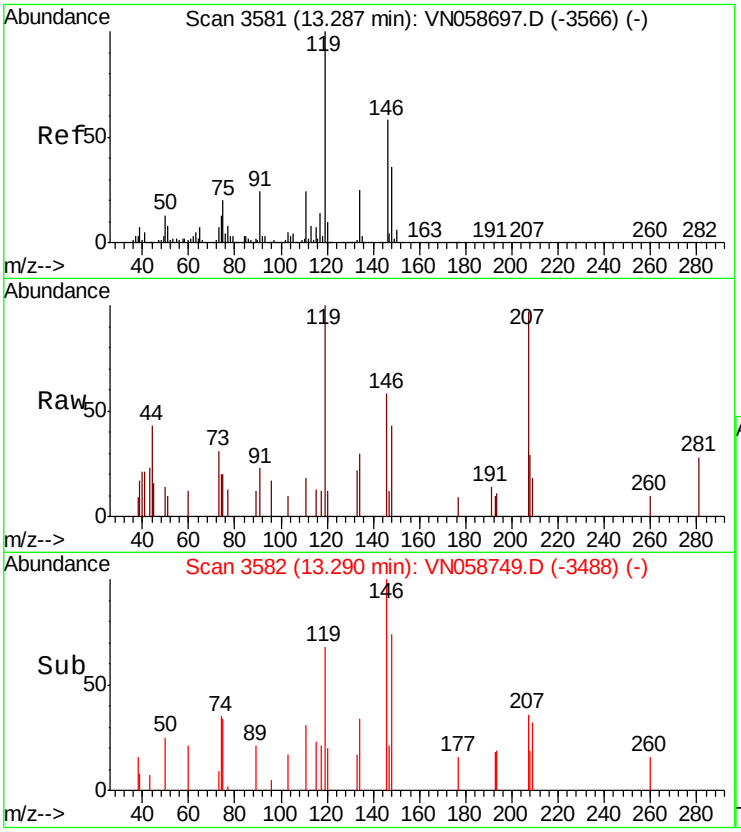




#86
p-Isopropyltoluene
Concen: 0.208 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:119 Resp: 3101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.1 | 12.7 | 38.1 |
| 91 | 18.9 | 11.9 | 35.5 |



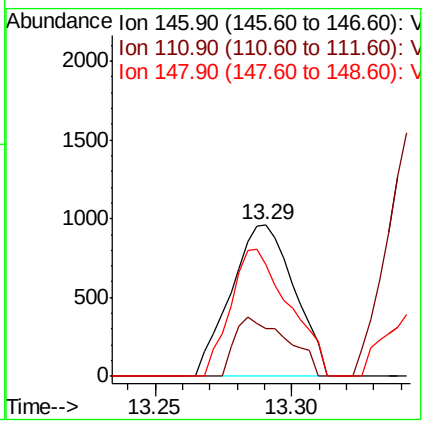


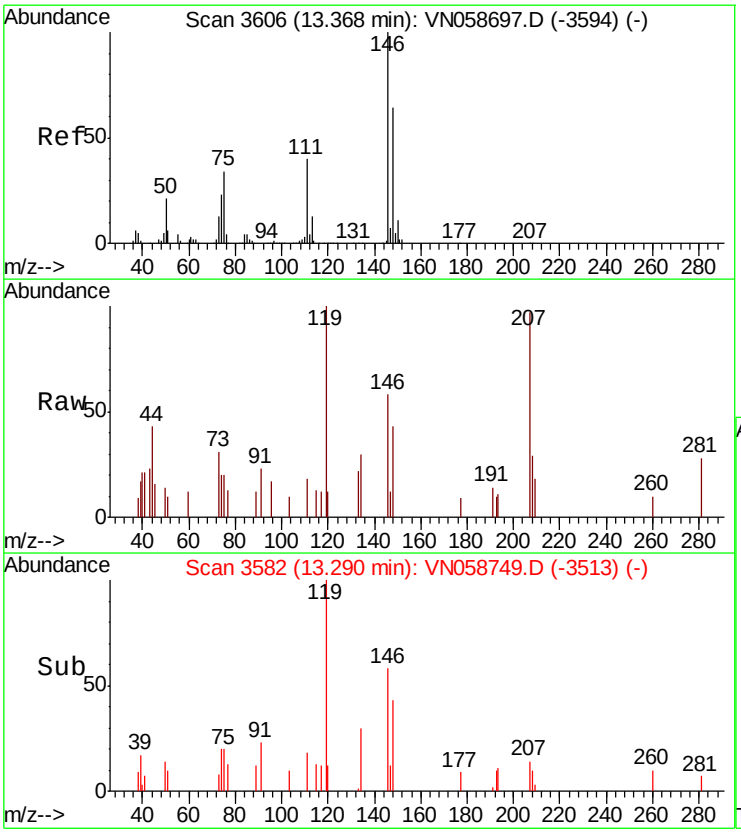

#87
1,3-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:146 Resp: 1553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 32.5 | 20.5 | 61.6 |
| 148 | 77.6 | 31.3 | 93.9 |

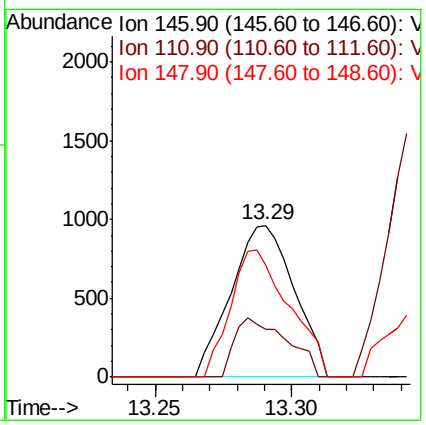


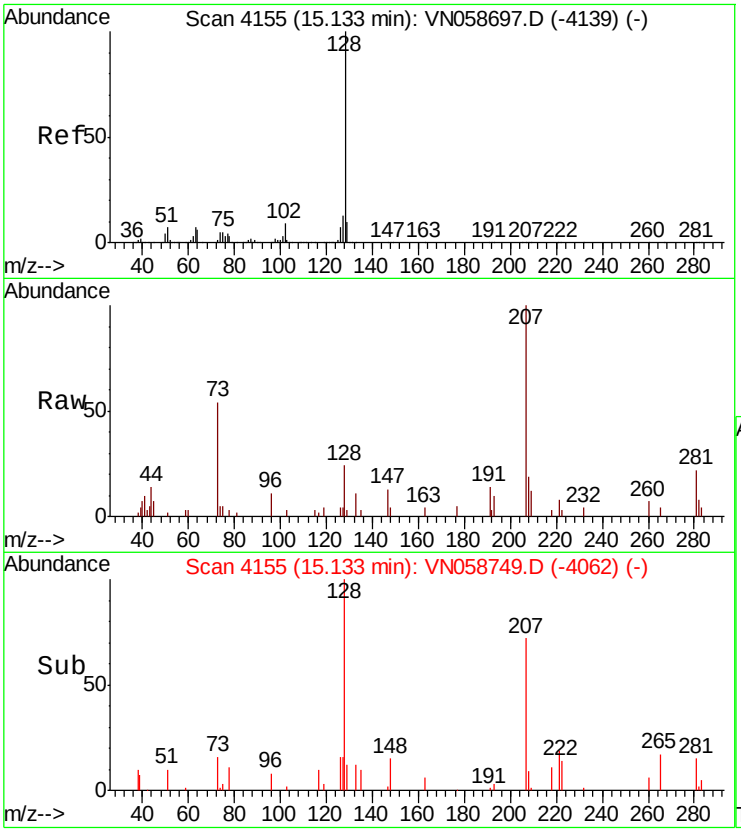




#88
1,4-Dichlorobenzene
Concen: 0.200 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.08 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

Tgt Ion:146 Resp: 1553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 32.5 | 20.1 | 60.2 |
| 148 | 77.6 | 31.9 | 95.7 |






#95
Naphthalene
Concen: 0.208 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058749.D
Acq: 14 Oct 2019 15:04

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

Tgt Ion:128 Resp: 2713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 6.1 | 10.2 | 15.4# |
| 129 | 9.4 | 8.5 | 12.7 |