Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101319\
Data File : VN058731.D
Acq On : 12 Oct 2019 3:01
Operator : JC/SP
Sample : K5266-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** RAW-DISCRETE-CORE-C-1

Quant Time: Oct 12 05:48:49 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 | 386291 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 8.57 | 114 | 593842 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 537918 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152 | 219670 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.01 | 65 | 273588 | 50.59 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.18% | | | | |
| 35) Dibromofluoromethane | 7.57 | 113 | 197952 | 53.97 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 107.94% | | | | |
| 50) Toluene-d8 | 10.08 | 98 | 771852 | 52.62 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 105.24% | | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 257446 | 46.37 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 92.74% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 4) Vinyl Chloride | 2.17 | 62 | 139131 | 24.418 | ug/l | | 100 |
| 6) Chloroethane | 2.69 | 64 | 12042 | 3.426 | ug/l | | 96 |
| 11) Tert butyl alcohol | 4.77 | 59 | 356 | 0.406 | ug/l | # | 72 |
| 12) 1,1-Dichloroethene | 3.71 | 96 | 1089 | 0.294 | ug/l | # | 78 |
| 13) Acrolein | 3.59 | 56 | 761 | 1.080 | ug/l | # | 25 |
| 14) Allyl chloride | 4.53 | 41 | 309519 | 41.343 | ug/l | # | 24 |
| 16) Acetone | 3.80 | 43 | 69602 | 31.088 | ug/l | | 99 |
| 17) Carbon Disulfide | 4.04 | 76 | 5154 | 0.435 | ug/l | | 100 |
| 18) Methyl Acetate | 4.31 | 43 | 6689 | 1.178 | ug/l | # | 75 |
| 20) Methylene Chloride | 4.53 | 84 | 7743700 | 1654.931 | ug/l | # | 80 |
| 24) 1,1-Dichloroethane | 5.83 | 63 | 11425 | 1.378 | ug/l | # | 94 |
| 25) 2-Butanone | 6.82 | 43 | 19722 | 6.094 | ug/l | # | 75 |
| 27) cis-1,2-Dichloroethene | 6.81 | 96 | 344704 | 71.235 | ug/l | | 88 |
| 29) Tetrahydrofuran | 7.20 | 42 | 462 | 0.221 | ug/l | # | 35 |
| 31) Cyclohexane | 7.64 | 56 | 11535 | 1.454 | ug/l | # | 30 |
| 36) 1,1-Dichloropropene | 7.65 | 75 | 31576 | 5.259 | ug/l | # | 51 |
| 37) Ethyl Acetate | 6.82 | 43 | 19722 | 3.248 | ug/l | # | 1 |
| 38) Carbon Tetrachloride | 7.65 | 117 | 39075 | 6.678 | ug/l | # | 16 |
| 39) Methylcyclohexane | 9.07 | 83 | 17144 | 2.461 | ug/l | # | 87 |
| 43) Isopropyl Acetate | 8.15 | 43 | 101265 | 9.789 | ug/l | # | 90 |
| 48) Methyl methacrylate | 9.17 | 41 | 6750 | 1.440 | ug/l | # | 14 |
| 49) 1,4-Dioxane | 9.26 | 88 | 135 | 1.861 | ug/l | # | 1 |
| 51) 4-Methyl-2-Pentanone | 9.98 | 43 | 7339 | 1.263 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 9.90 | 75 | 38571 | 5.315 | ug/l | # | 65 |
| 55) 1,1,2-Trichloroethane | 10.53 | 97 | 1314 | 0.304 | ug/l | # | 14 |
| 57) 1,3-Dichloropropane | 10.76 | 76 | 7145 | 0.971 | ug/l | # | 42 |
| 59) 2-Hexanone | 10.76 | 43 | 105597 | 23.520 | ug/l | # | 54 |
| 65) Chlorobenzene | 11.43 | 112 | 16195 | 1.483 | ug/l | | 93 |
| 67) Ethyl Benzene | 11.51 | 91 | 6430 | 0.330 | ug/l | | 94 |
| 73) Isopropylbenzene | 12.25 | 105 | 5142 | 0.323 | ug/l | | 99 |
| 74) N-amyl acetate | 12.04 | 43 | 3819 | 0.534 | ug/l | # | 50 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 136454 | 28.316 | ug/l | # | 100 |
| 78) n-propylbenzene | 12.60 | 91 | 4352 | 0.235 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 12.74 | 105 | 4520 | 0.333 | ug/l | | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101319\
Data File : VN058731.D
Acq On : 12 Oct 2019 3:01
Operator : JC/SP
Sample : K5266-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** RAW-DISCRETE-CORE-C-1

Quant Time: Oct 12 05:48:49 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) |
|---|---|---|---|---|---|---|---|
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 136454 | 75.849 | ug/l | # | 11 |
| 82) 4-Chlorotoluene | 12.78 | 91 | 8654 | 0.733 | ug/l | | 91 |
| 83) tert-Butylbenzene | 12.99 | 119 | 5498 | 0.473 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.05 | 105 | 5988 | 0.444 | ug/l | | 83 |
| 85) sec-Butylbenzene | 13.18 | 105 | 7367 | 0.481 | ug/l | | 85 |
| 86) p-Isopropyltoluene | 13.45 | 119 | 3425 | 0.246 | ug/l | | 93 |
| 87) 1,3-Dichlorobenzene | 13.29 | 146 | 1480 | 0.207 | ug/l | | 79 |
| 88) 1,4-Dichlorobenzene | 13.29 | 146 | 1480 | 0.204 | ug/l | | 79 |
| 90) Hexachloroethane | 13.95 | 117 | 635 | 0.255 | ug/l | # | 10 |
| 91) 1,2-Dichlorobenzene | 13.66 | 146 | 11373 | 1.635 | ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropropan | 14.28 | 75 | 393 | 0.321 | ug/l | # | 5 |
| 93) 1,2,4-Trichlorobenzene | 14.92 | 180 | 2147 | 0.506 | ug/l | | 88 |
| 95) Naphthalene | 15.13 | 128 | 13135 | 1.077 | ug/l | | 96 |
| 96) 1,2,3-Trichlorobenzene | 15.30 | 180 | 2362 | 0.570 | ug/l | # | 73 |

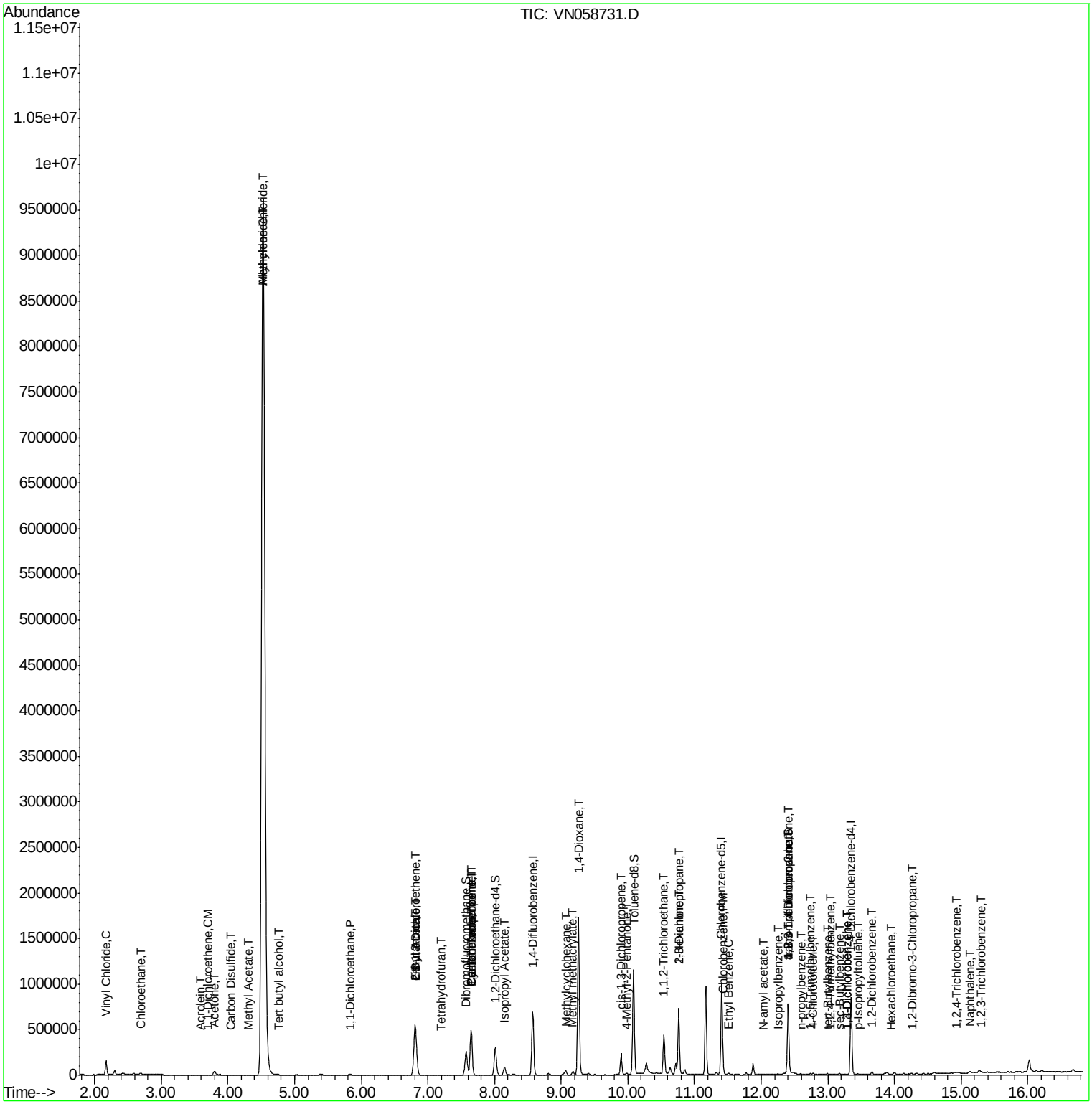
(#) = qualifier out of range (m) = manual integration (+) = signals summed

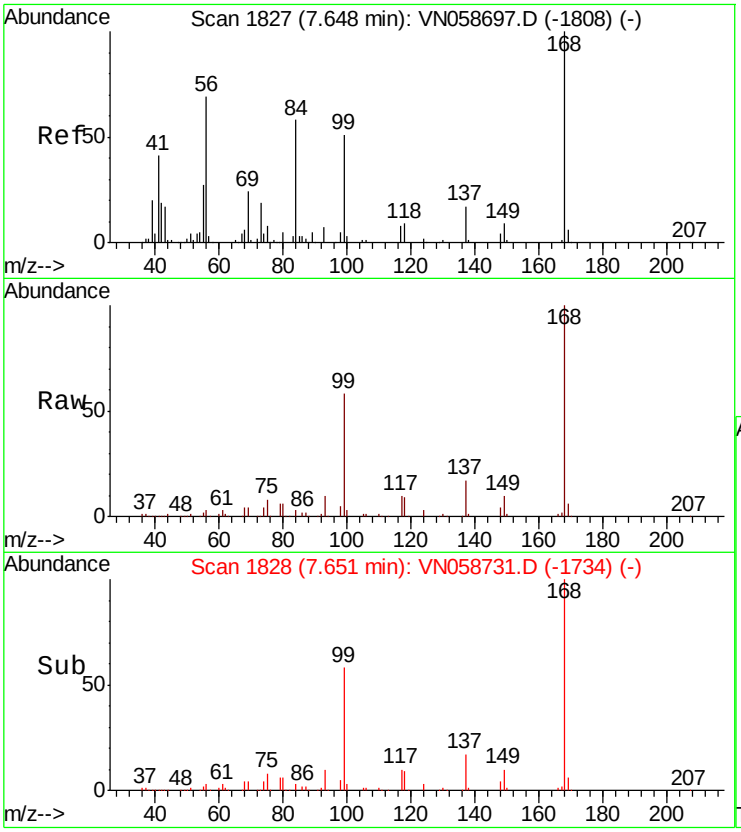
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101319\
Data File : VN058731.D
Acq On : 12 Oct 2019 3:01
Operator : JC/SP
Sample : K5266-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Quant Time: Oct 12 05:48:49 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



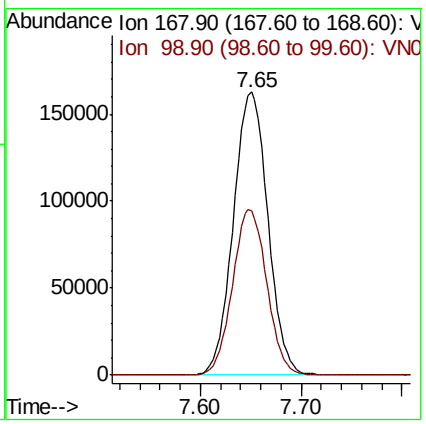


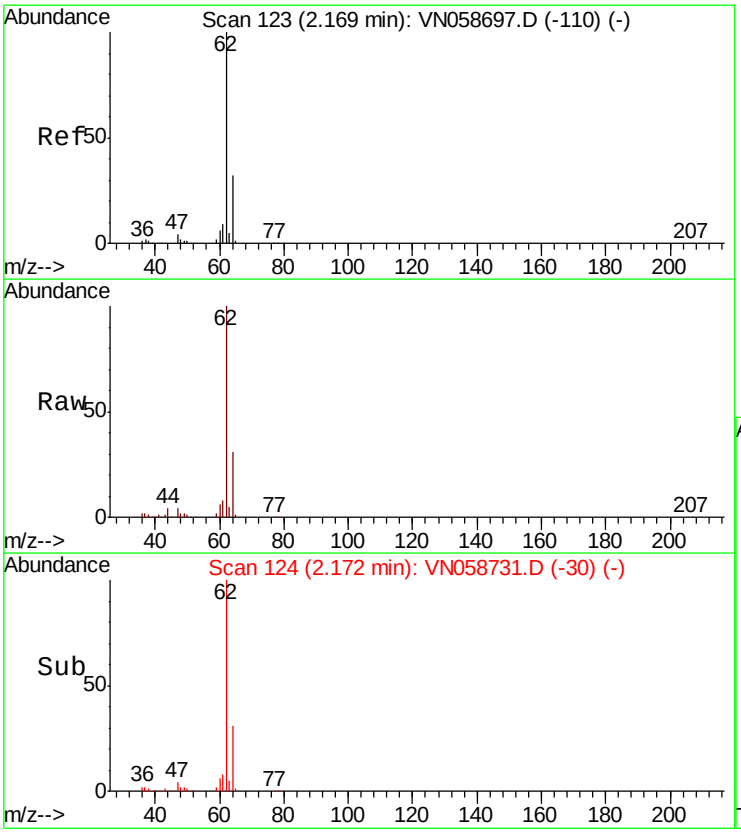

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:168 Resp: 386291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 58.1 | 47.5 | 71.3 |

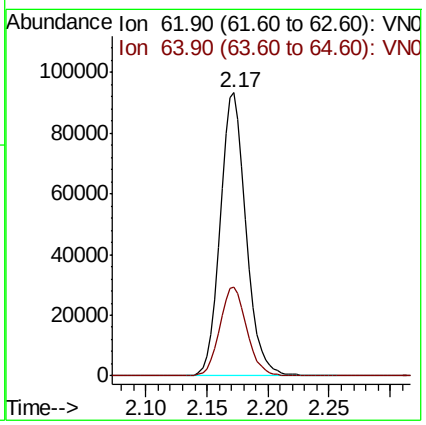


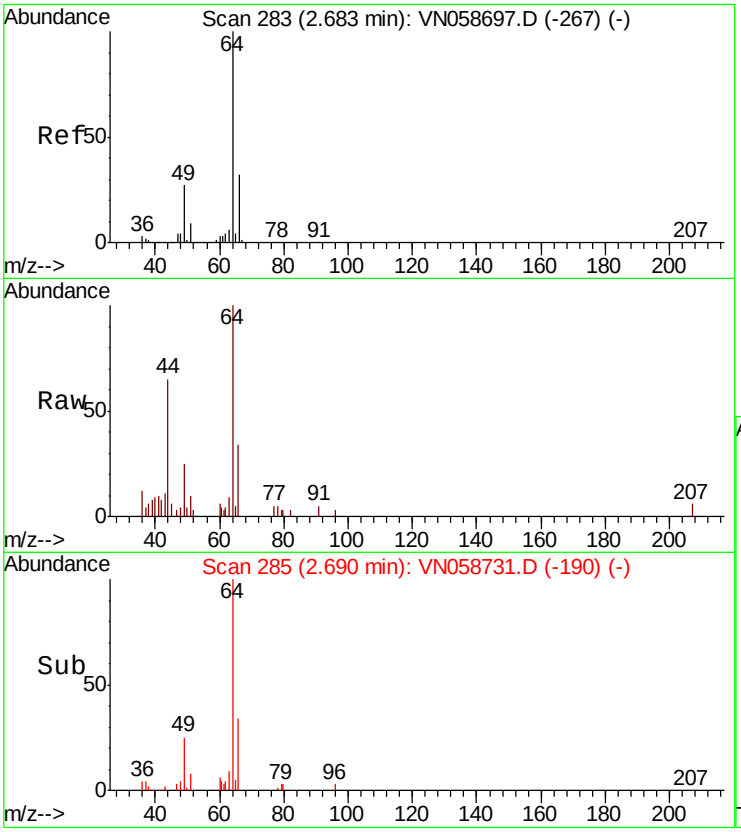




#4
Vinyl Chloride
Concen: 24.418 ug/l
RT: 2.17 min Scan# 124
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 62 Resp: 139131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 25.3 | 37.9 |



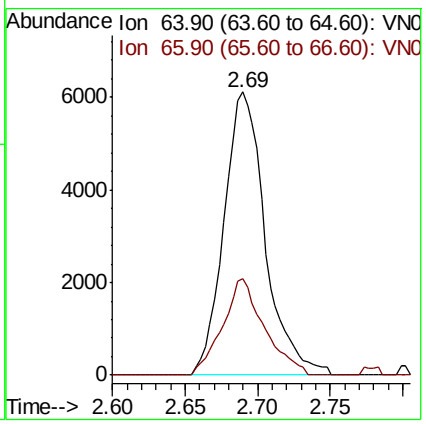


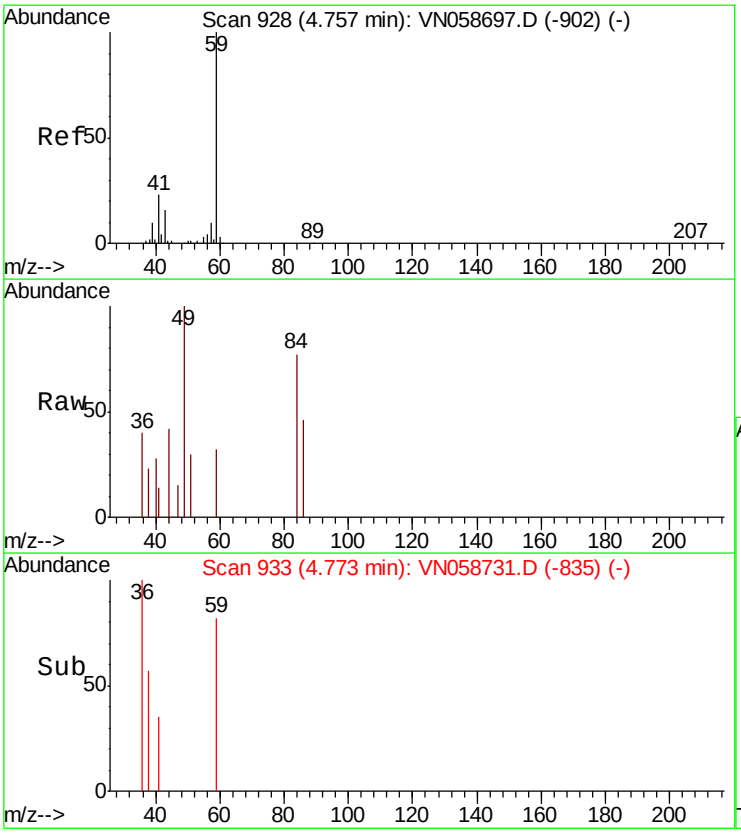

#6
Chloroethane
Concen: 3.426 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 64 Resp: 12042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.1 | 25.4 | 38.2 |

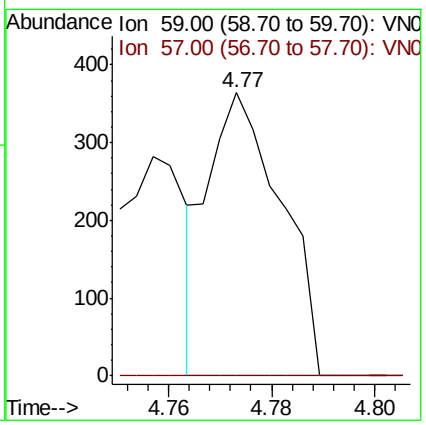


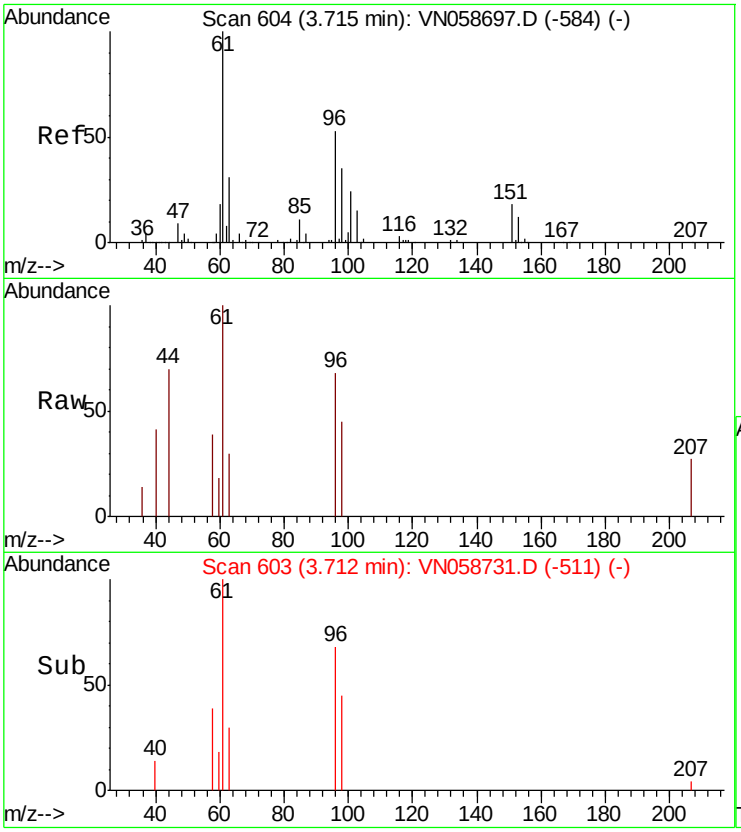




#11
Tert butyl alcohol
Concen: 0.406 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.02 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 59 Resp: 356

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



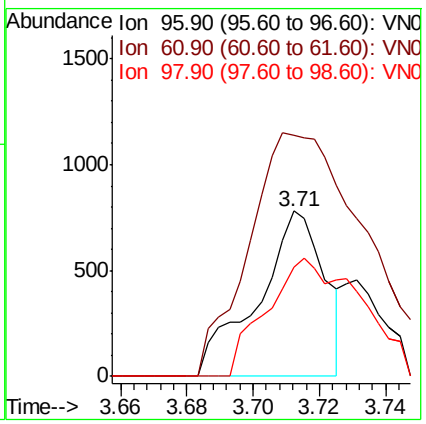


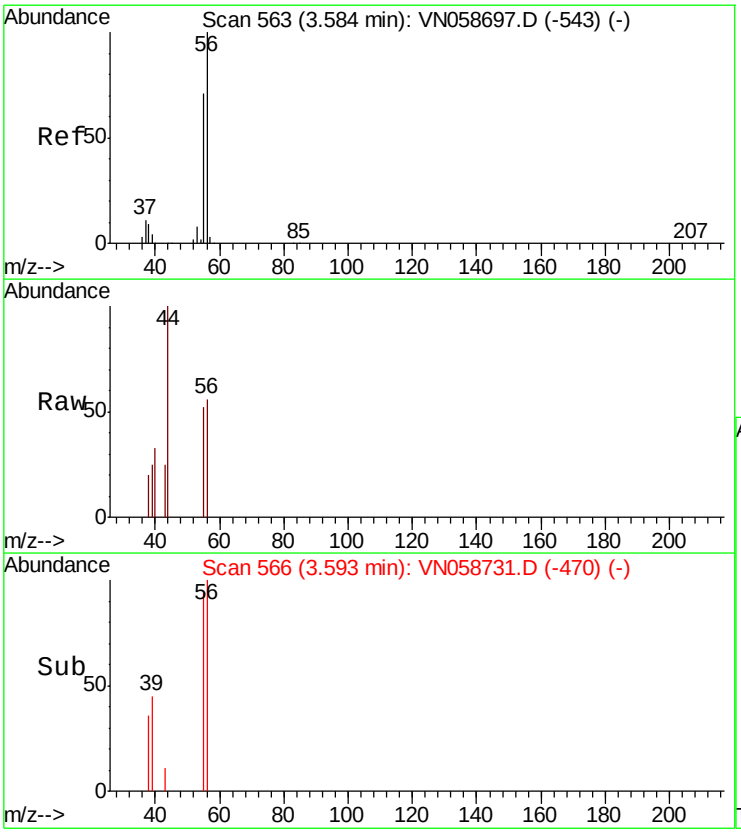

#12
1,1-Dichloroethene
Concen: 0.294 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 96 Resp: 1089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.3 | 151.3 | 226.9# |
| 98 | 66.0 | 52.6 | 78.8 |

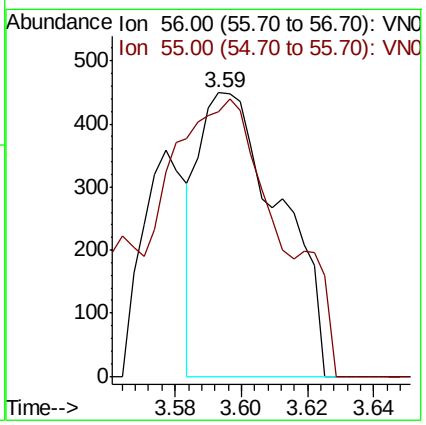


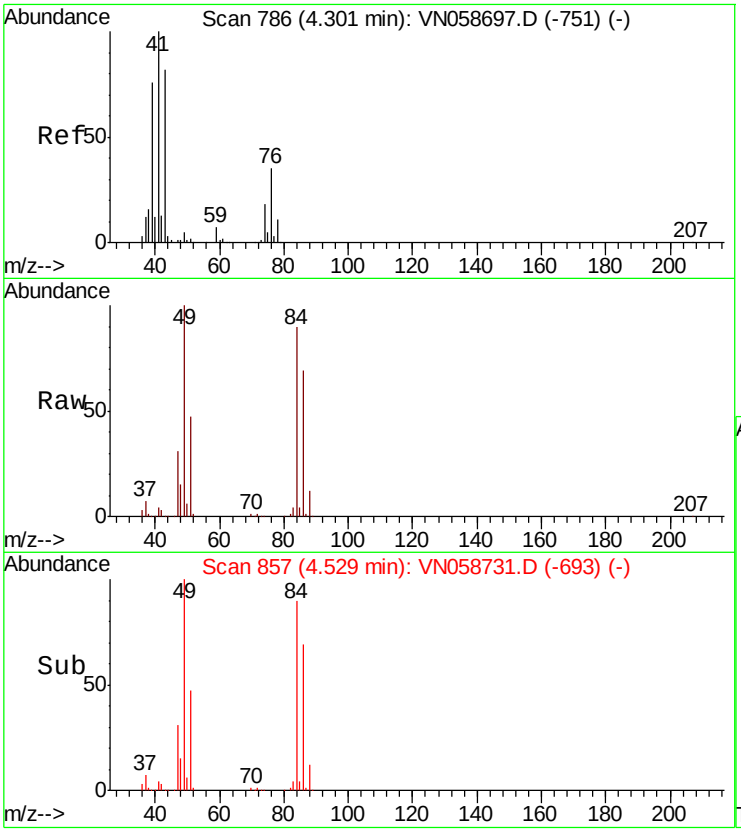




#13
Acrolein
Concen: 1.080 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 56 Resp: 761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 132.9 | 56.7 | 85.1# |



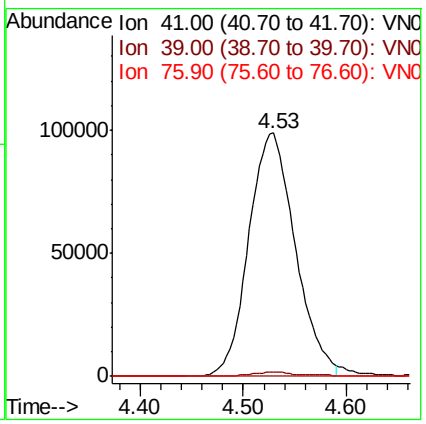


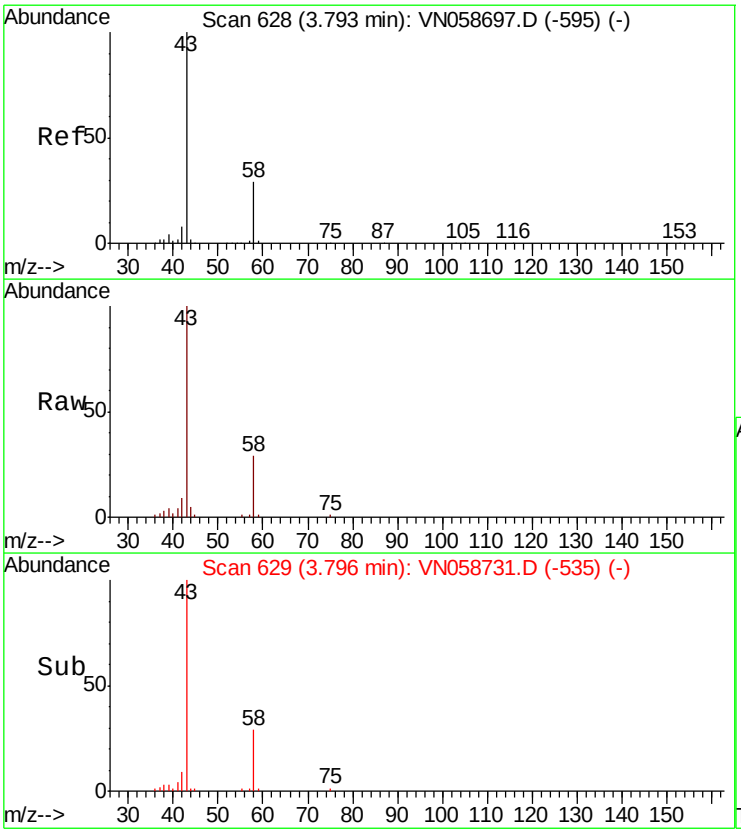

#14
Allyl chloride
Concen: 41.343 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.23 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 41 Resp: 309519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 1.7 | 57.2 | 85.8# |
| 76 | 0.0 | 25.0 | 37.6# |

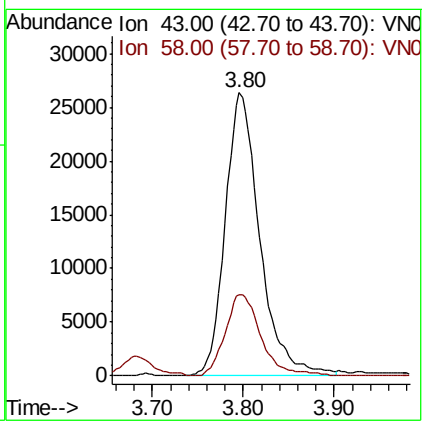


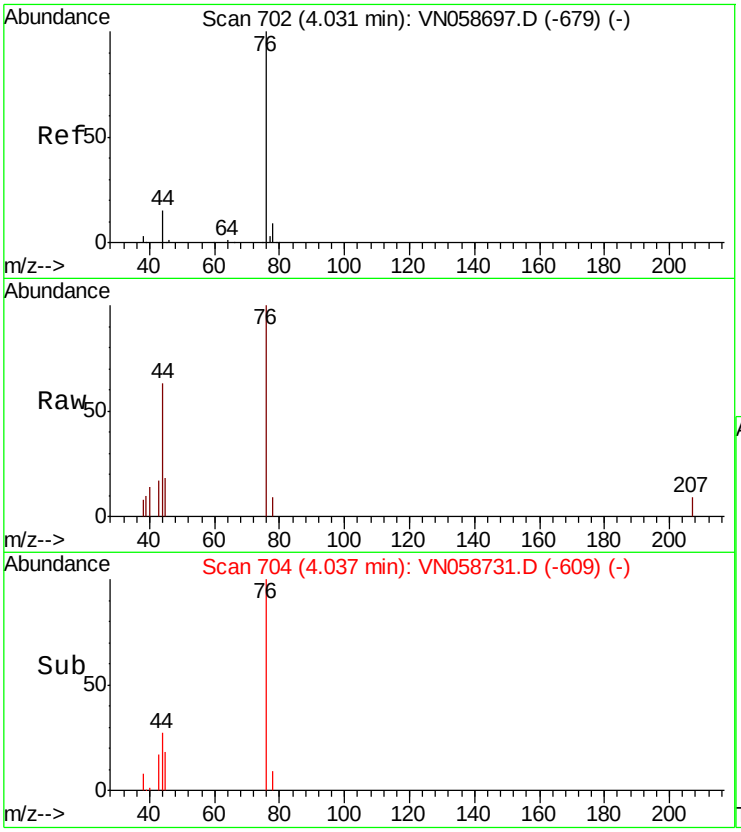




#16
Acetone
Concen: 31.088 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 69602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.7 | 23.3 | 34.9 |



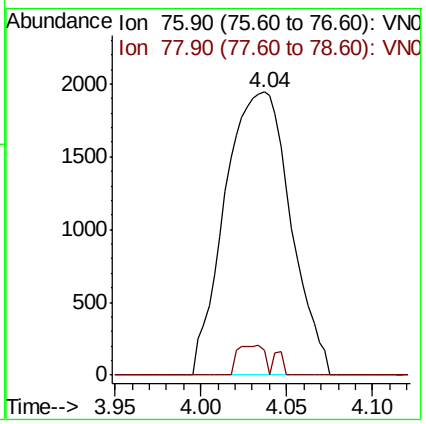


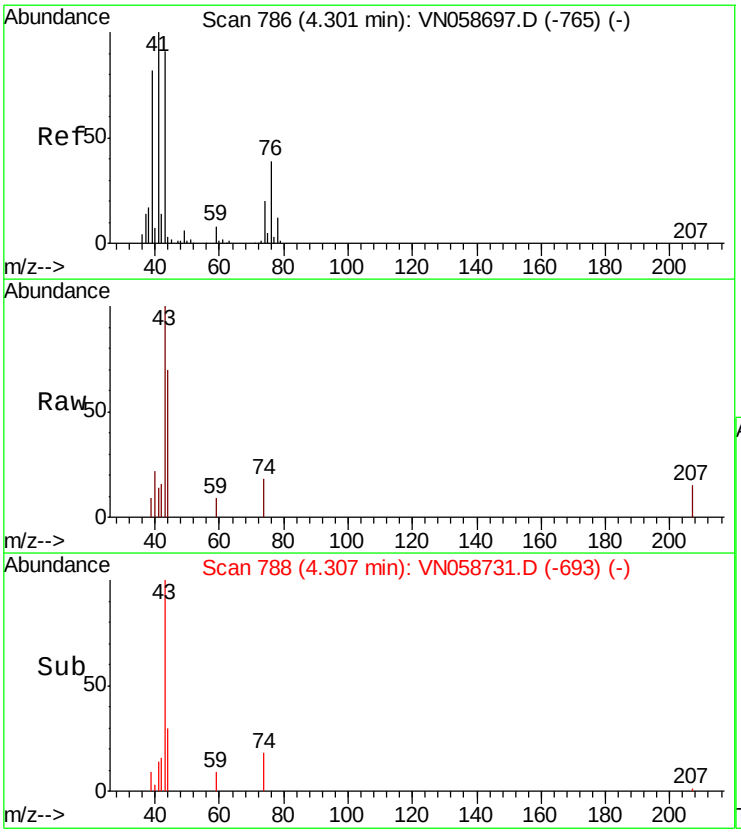

#17
Carbon Disulfide
Concen: 0.435 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 76 Resp: 5154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.1 | 10.7 |

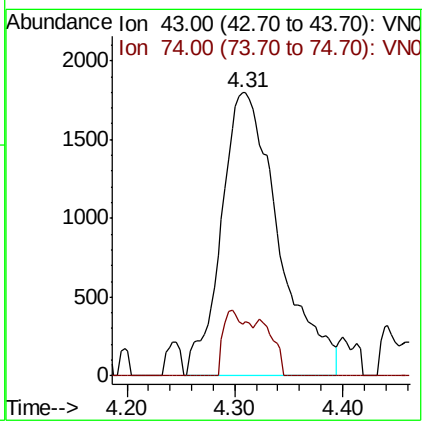


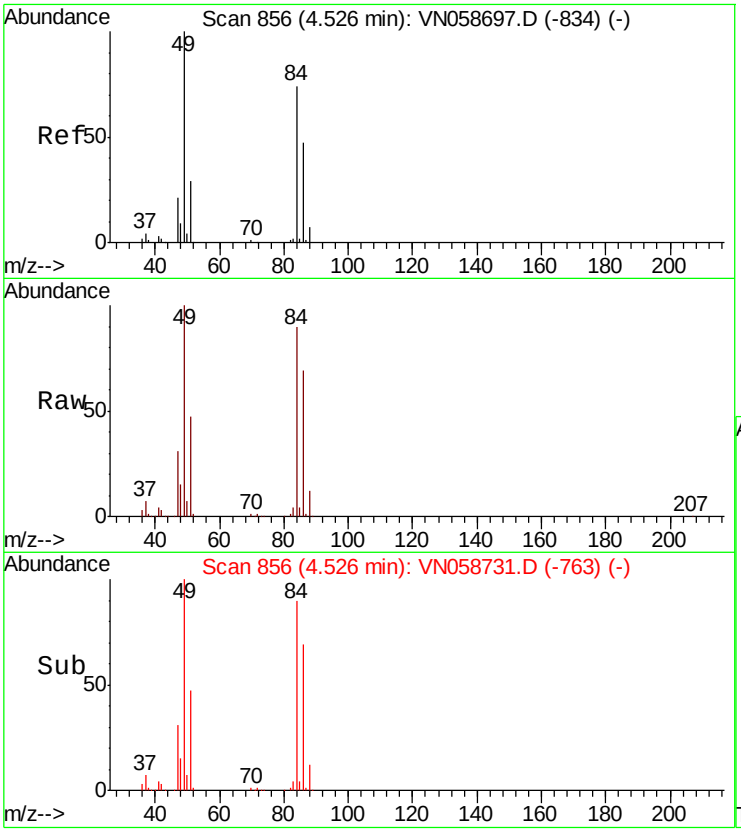




#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 6689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 9.9 | 17.2 | 25.8# |



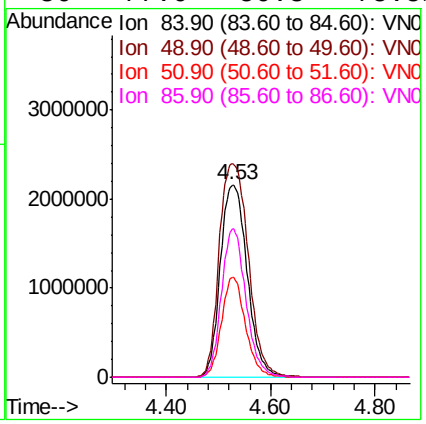


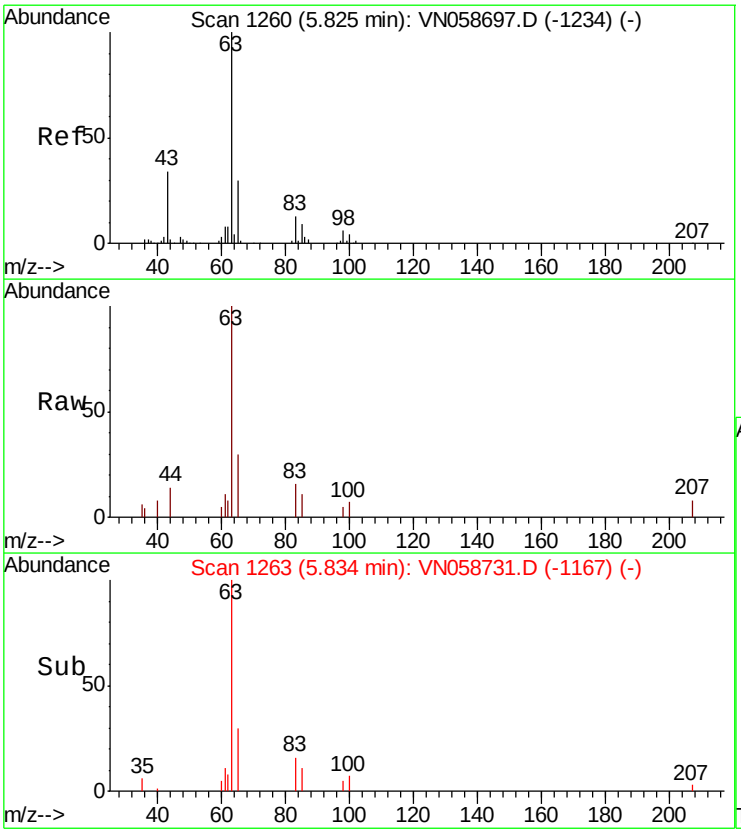

#20
Methylene Chloride
Concen: 1654.931 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 84 Resp: 7743700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.2 | 107.6 | 161.4 |
| 51 | 52.3 | 31.4 | 47.0# |
| 86 | 77.0 | 50.3 | 75.5# |

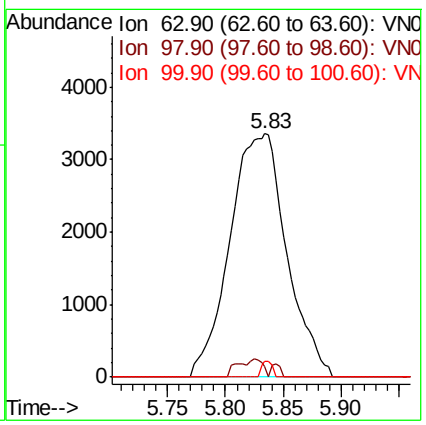


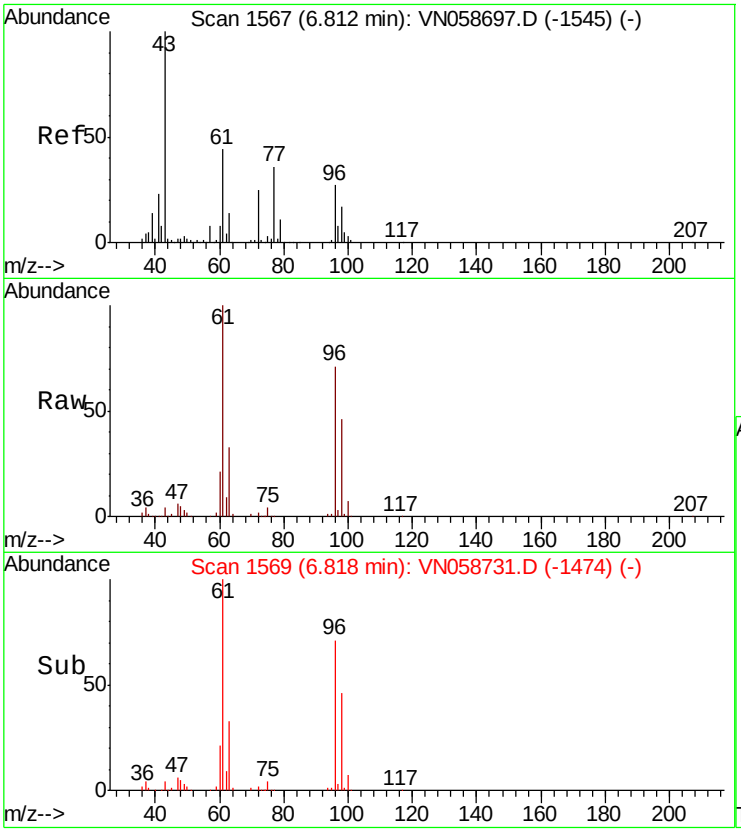




#24
1,1-Dichloroethane
Concen: 1.378 ug/l
RT: 5.83 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 63 Resp: 11425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 4.6 | 2.9 | 8.6 |
| 100 | 6.7 | 1.8 | 5.5# |



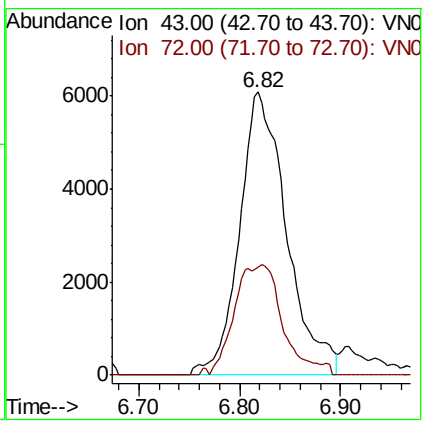


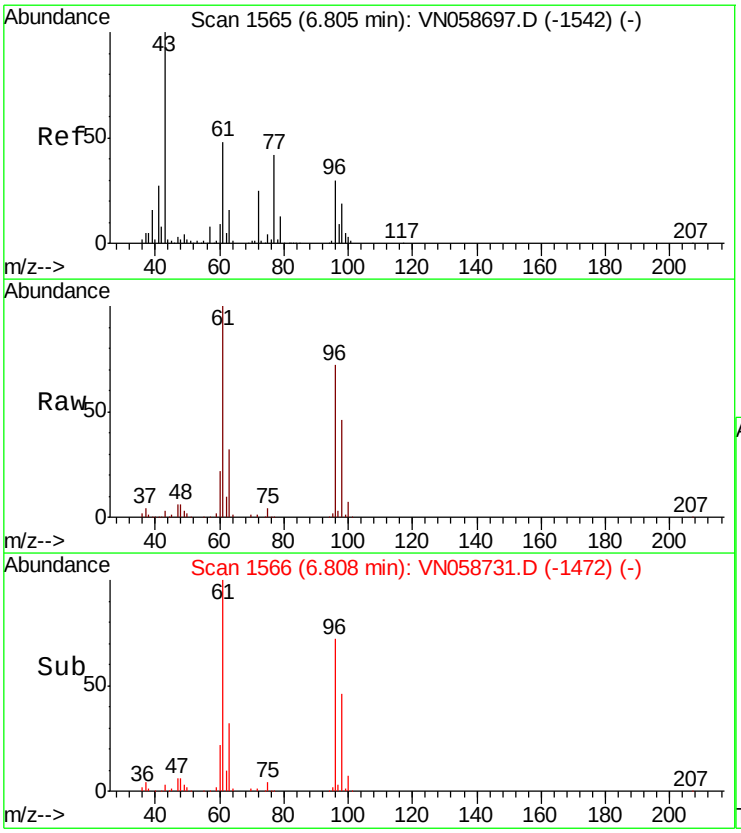

#25
2-Butanone
Concen: 6.094 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 43 Resp: 19722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 38.0 | 20.2 | 30.2# |

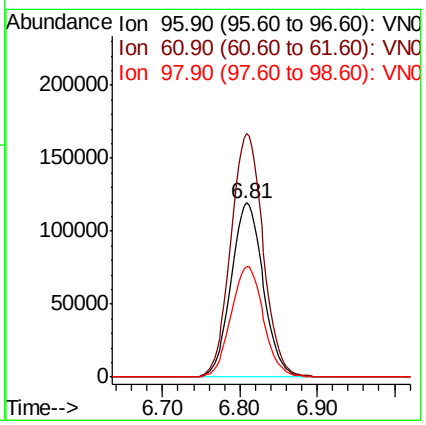


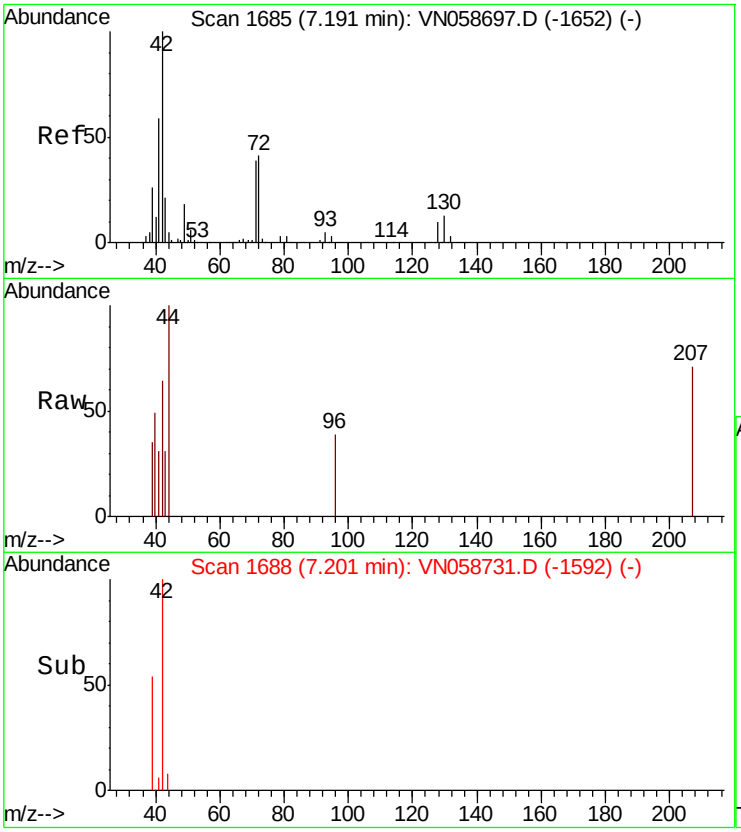




#27
cis-1,2-Dichloroethene
Concen: 71.235 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 96 Resp: 344704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.2 | 0.0 | 324.8 |
| 98 | 64.0 | 0.0 | 129.2 |



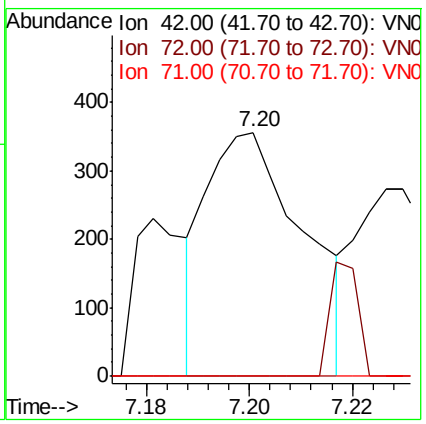


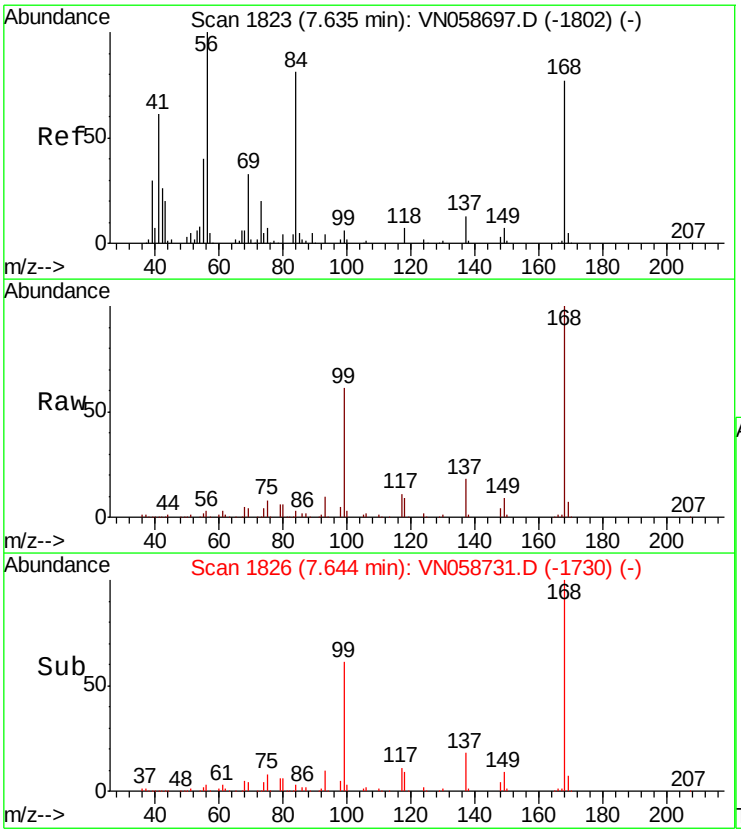

#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 42 Resp: 462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 32.8 | 49.2# |
| 71 | 0.0 | 31.1 | 46.7# |

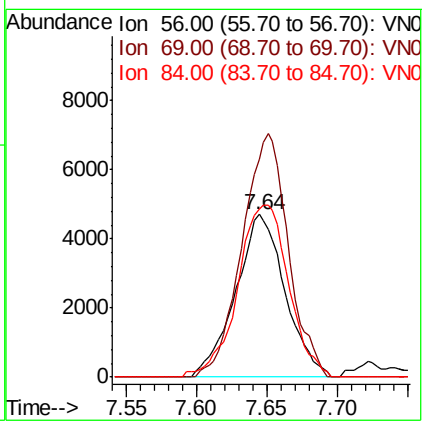


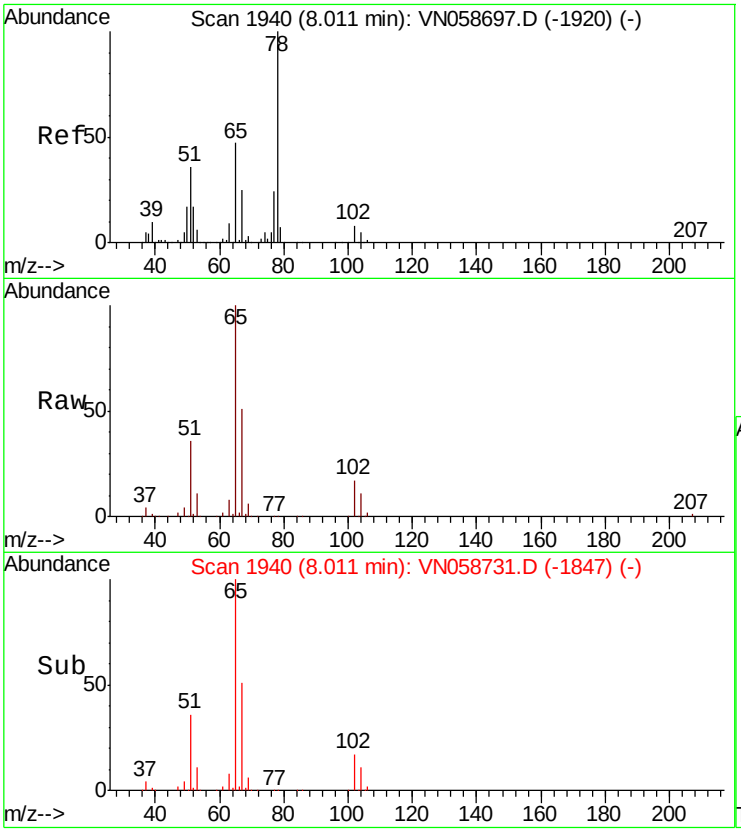




#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 56 Resp: 11535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 134.4 | 26.2 | 39.4# |
| 84 | 103.8 | 64.9 | 97.3# |



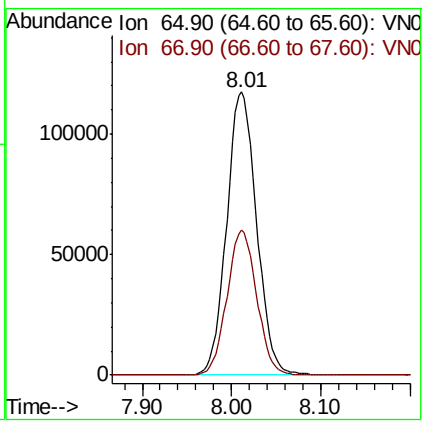


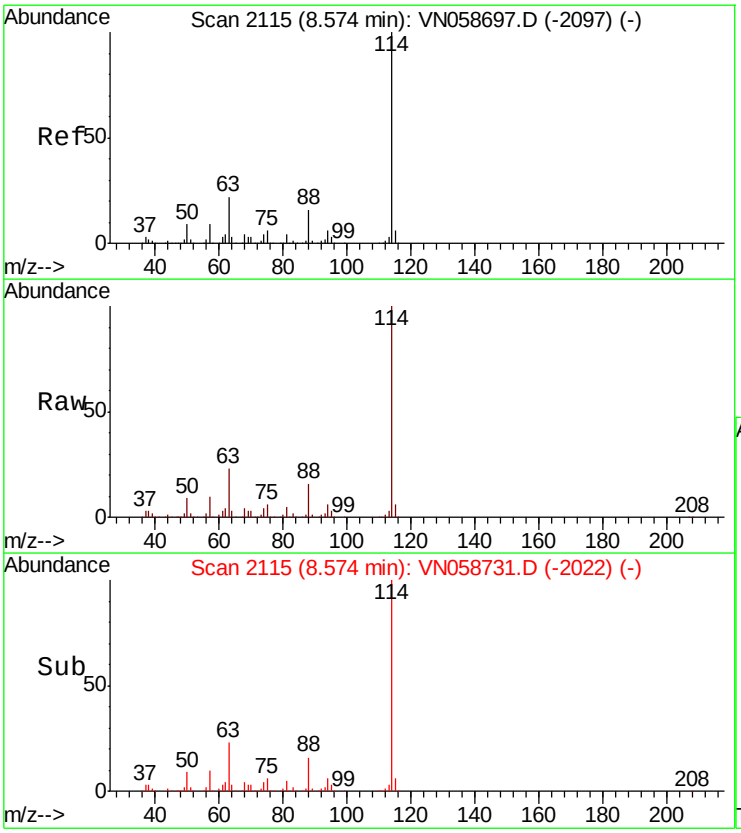

#33
1,2-Dichloroethane-d4
Concen: 50.589 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 65 Resp: 273588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 103.8 |

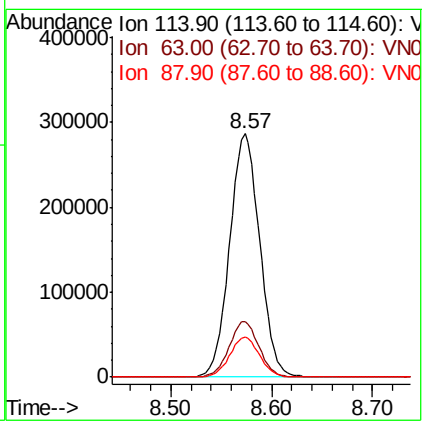


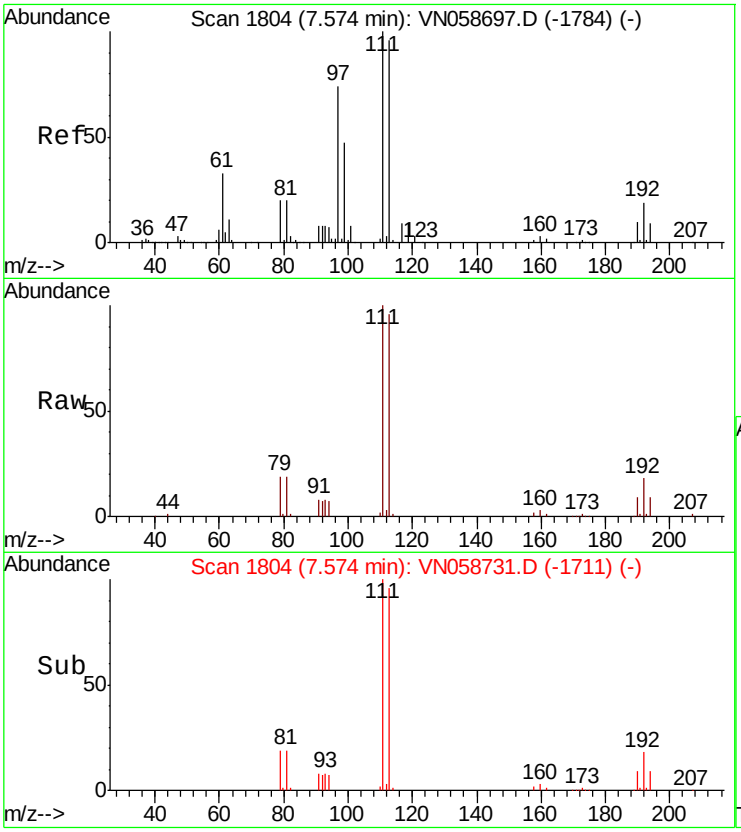




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:114 Resp: 593842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.8 | 0.0 | 43.8 |
| 88 | 16.3 | 0.0 | 32.0 |



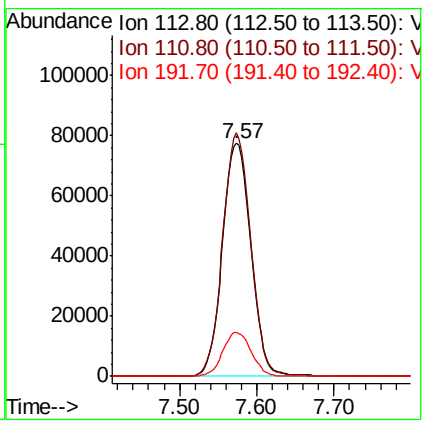


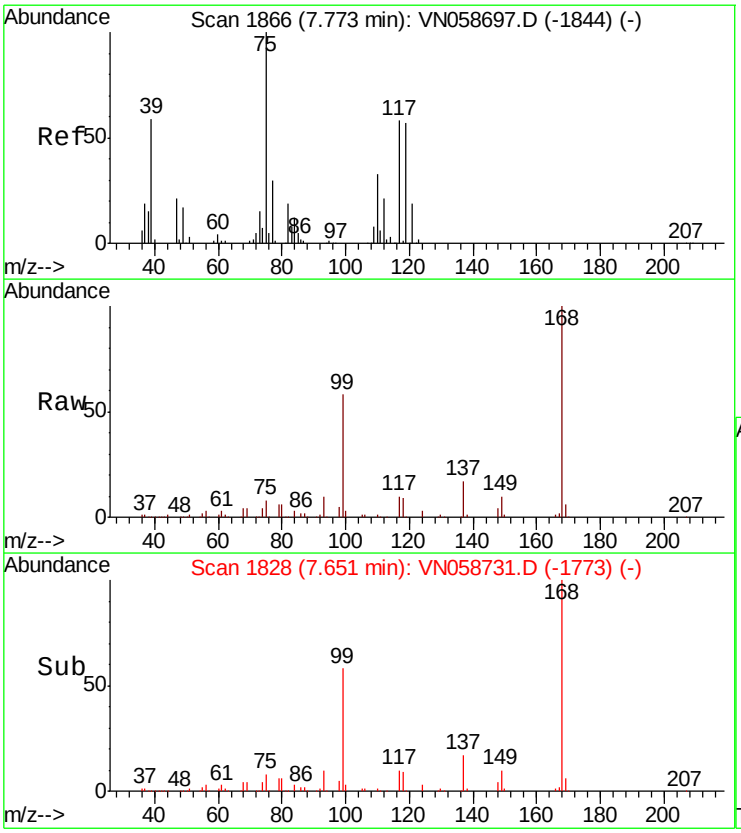

#35
Dibromofluoromethane
Concen: 53.967 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:113 Resp: 197952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 82.3 | 123.5 |
| 192 | 18.8 | 15.0 | 22.6 |

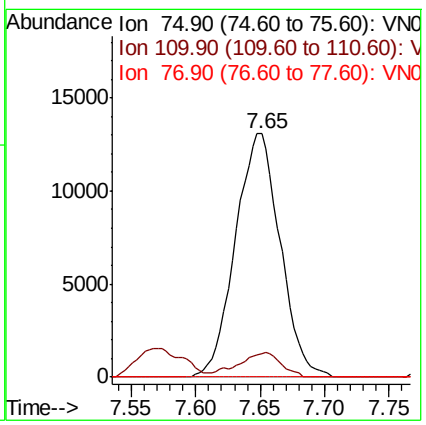


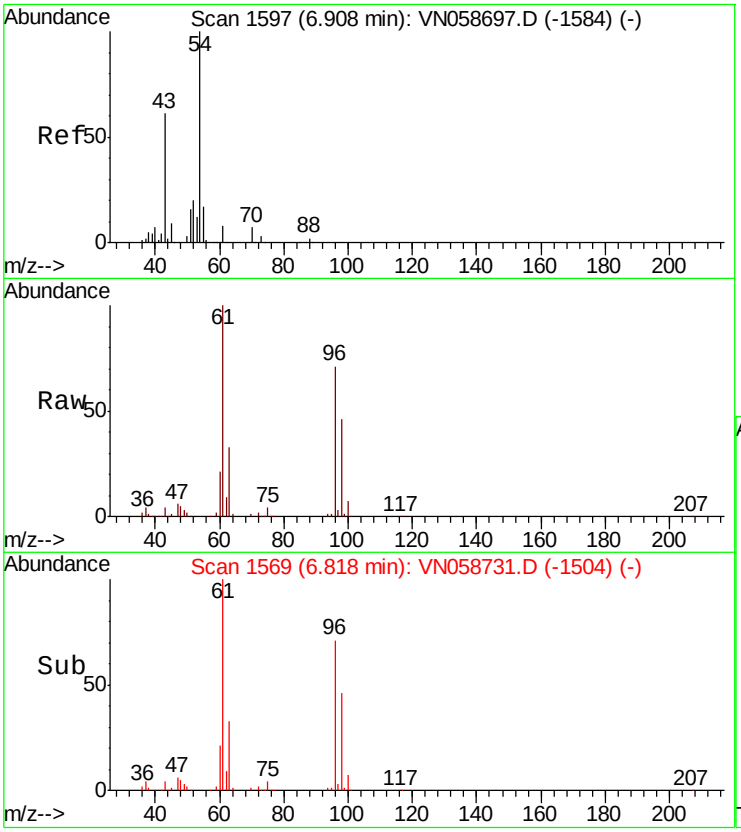




#36
1,1-Dichloropropene
Concen: 5.259 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.12 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 75 Resp: 31576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.7 | 16.6 | 49.8# |
| 77 | 0.0 | 24.6 | 37.0# |



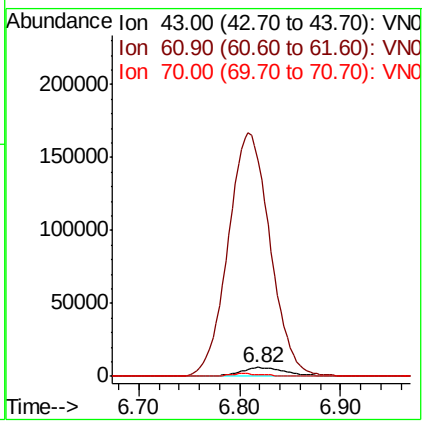


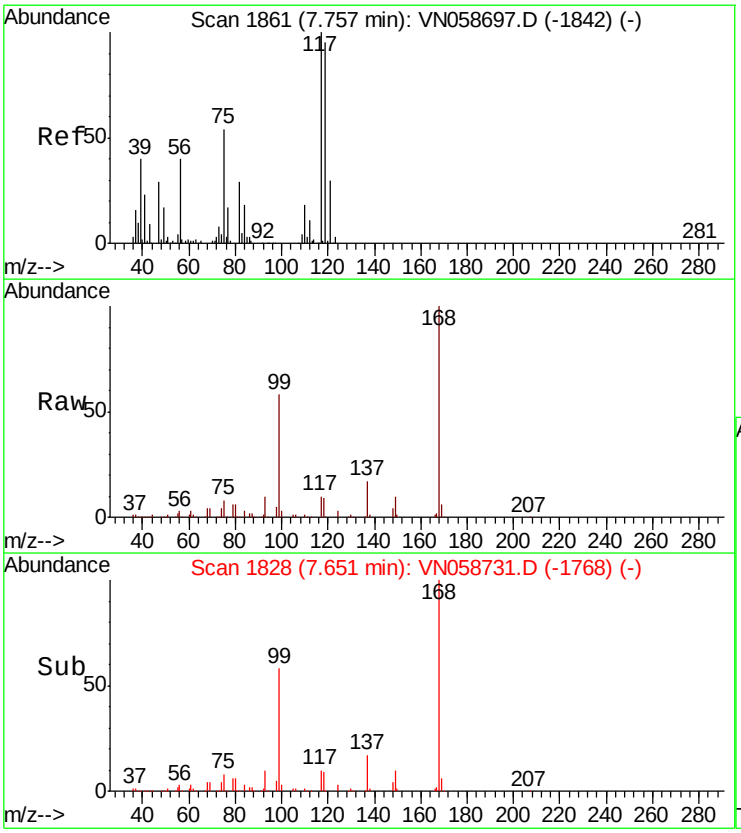

#37
Ethyl Acetate
Concen: 3.248 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.09 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 43 Resp: 19722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 2450.8 | 11.3 | 16.9# |
| 70 | 24.4 | 7.2 | 10.8# |

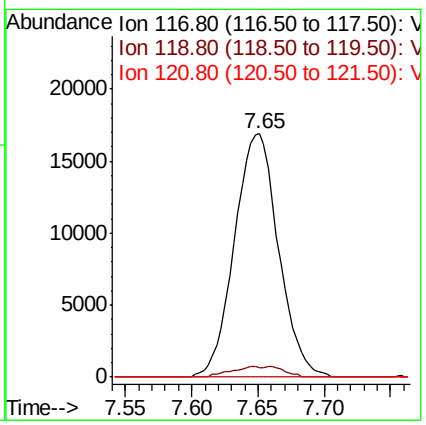


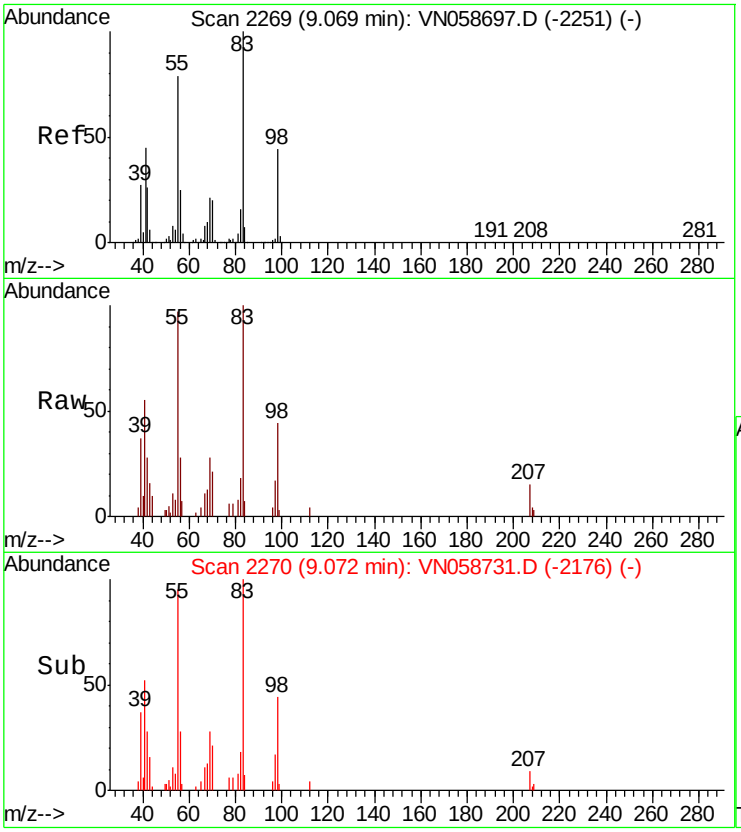




#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:117 Resp: 39075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.0 | 75.7 | 113.5# |
| 121 | 0.0 | 23.9 | 35.9# |



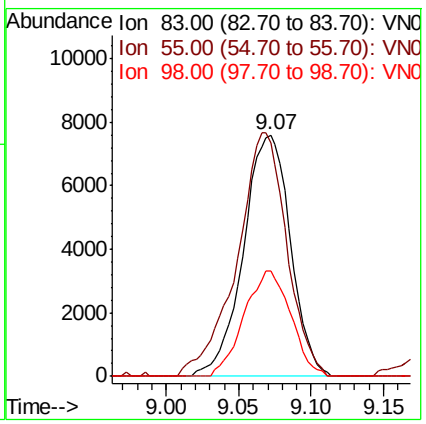


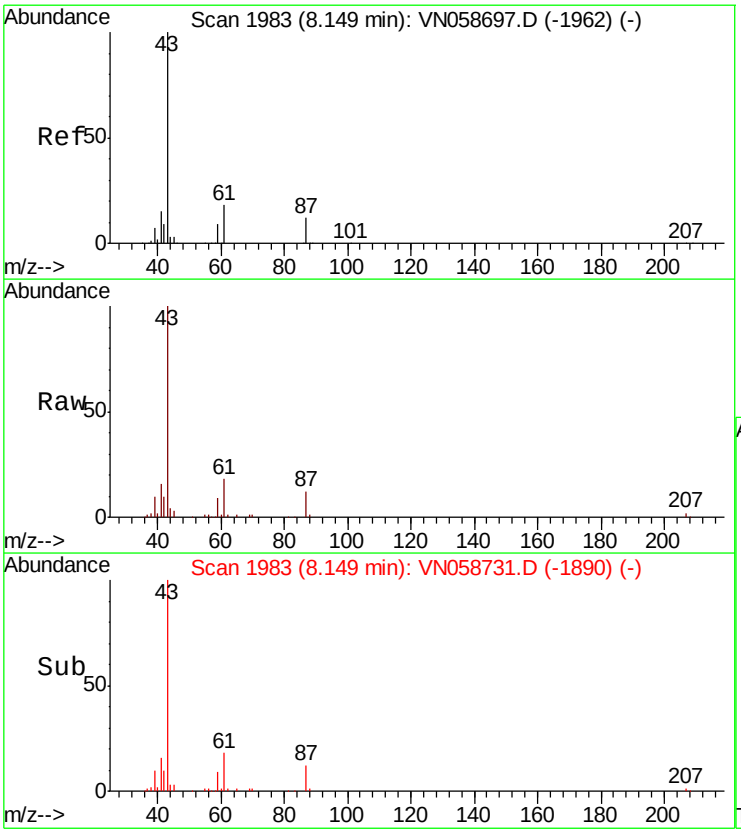

#39
Methylcyclohexane
Concen: 2.461 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 83 Resp: 17144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 96.8 | 63.4 | 95.0# |
| 98 | 43.6 | 35.1 | 52.7 |

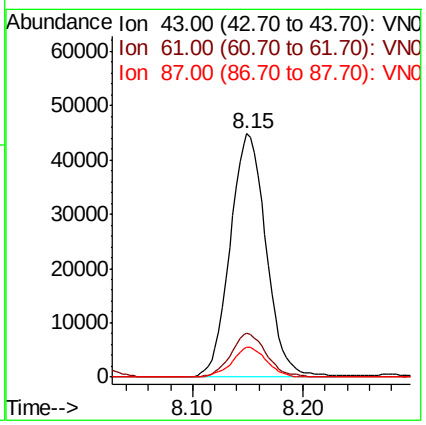


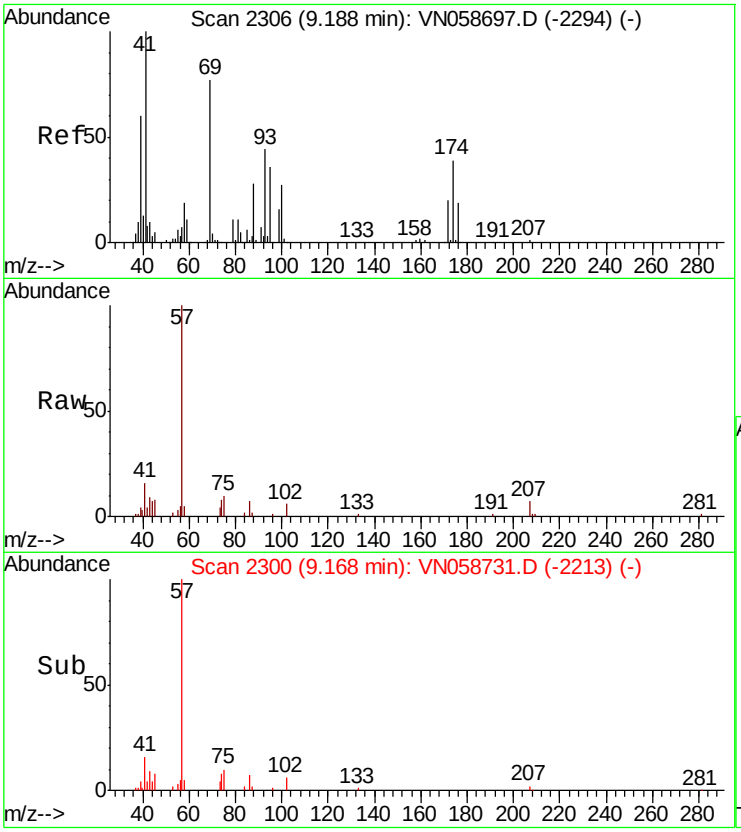




#43
Isopropyl Acetate
Concen: 9.789 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 101265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 20.3 | 30.5# |
| 87 | 11.8 | 9.8 | 14.6 |



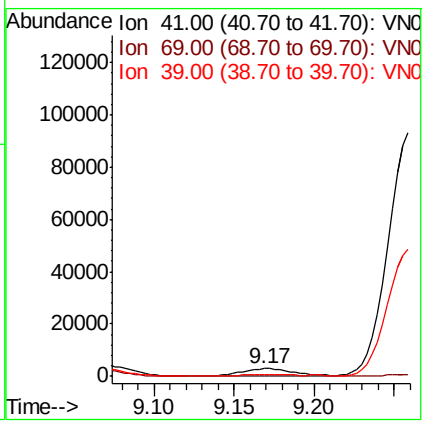


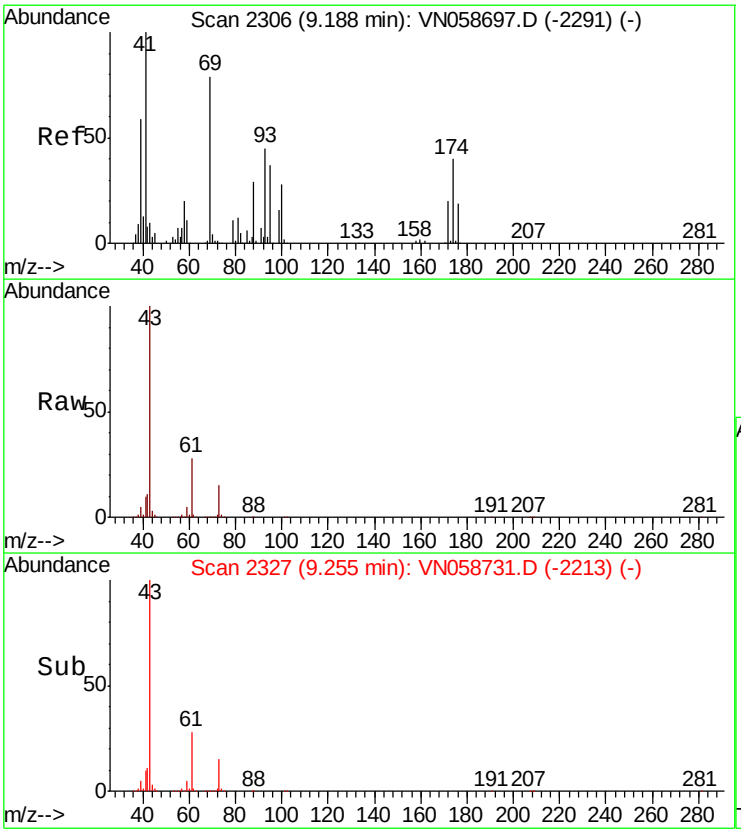

#48
Methyl methacrylate
Concen: 1.440 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 41 Resp: 6750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 63.4 | 95.2# |
| 39 | 0.0 | 48.9 | 73.3# |

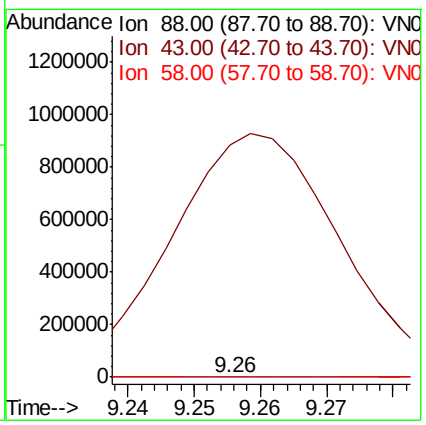


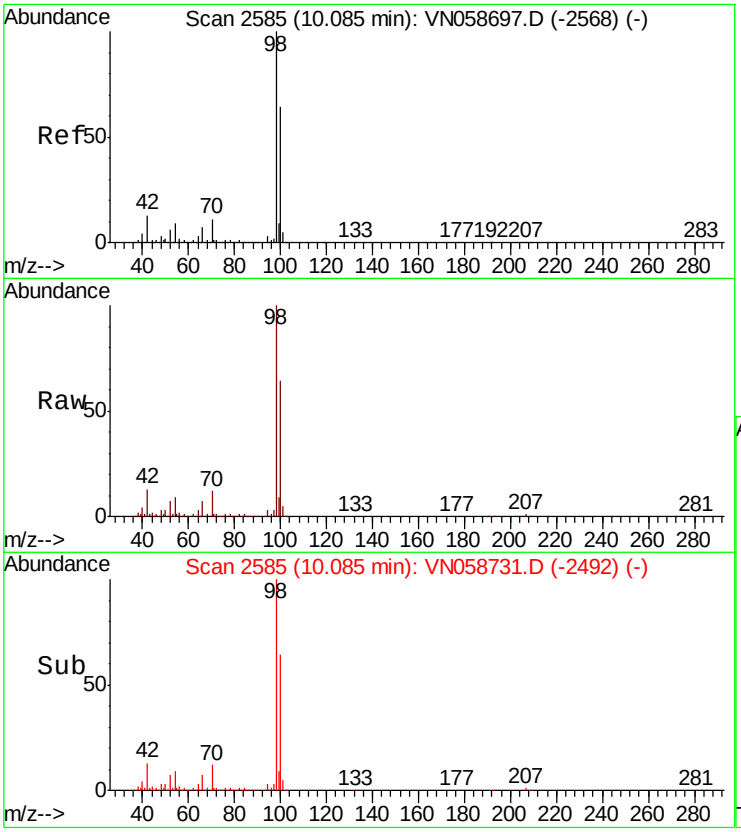




#49
1,4-Dioxane
Concen: 1.861 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.07 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 88 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 1260415.6 | 28.6 | 43.0# |
| 58 | 5660.0 | 57.2 | 85.8# |



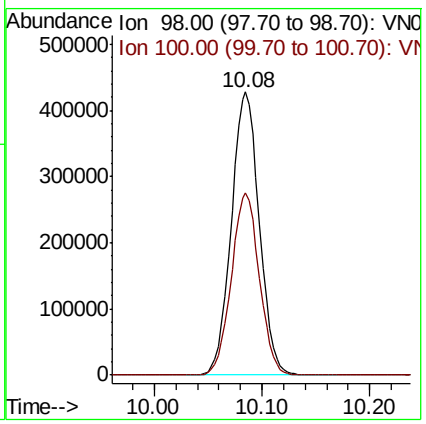


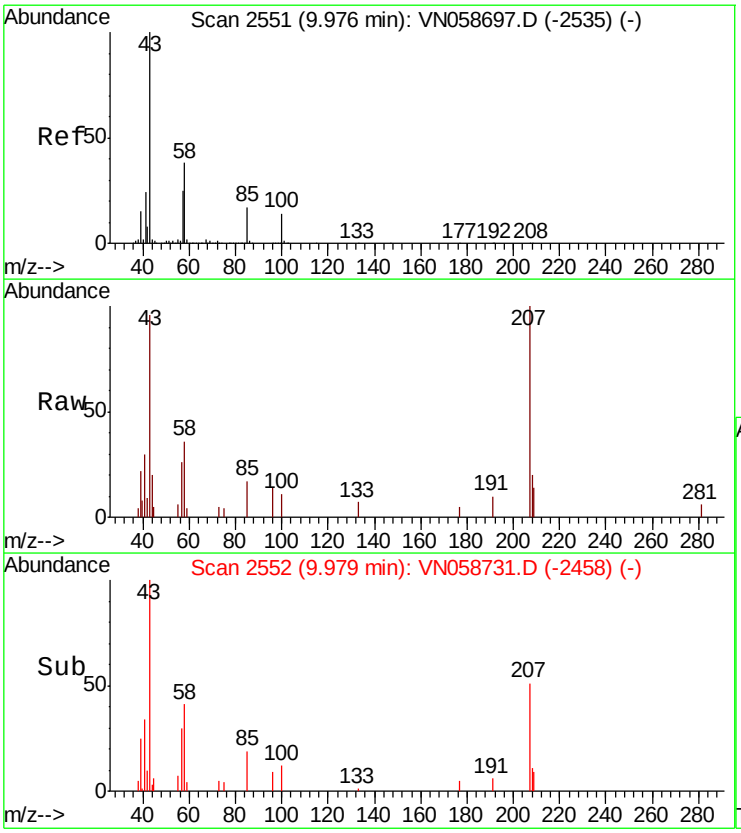

#50
Toluene-d8
Concen: 52.622 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 98 Resp: 771852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.3 | 51.1 | 76.7 |

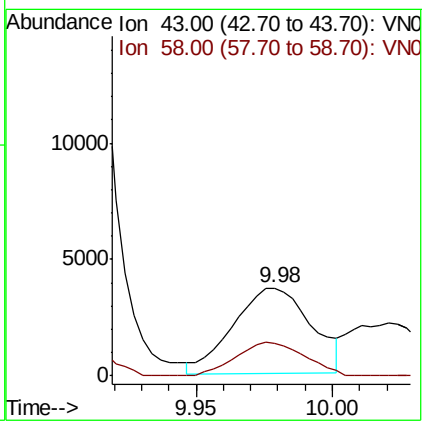


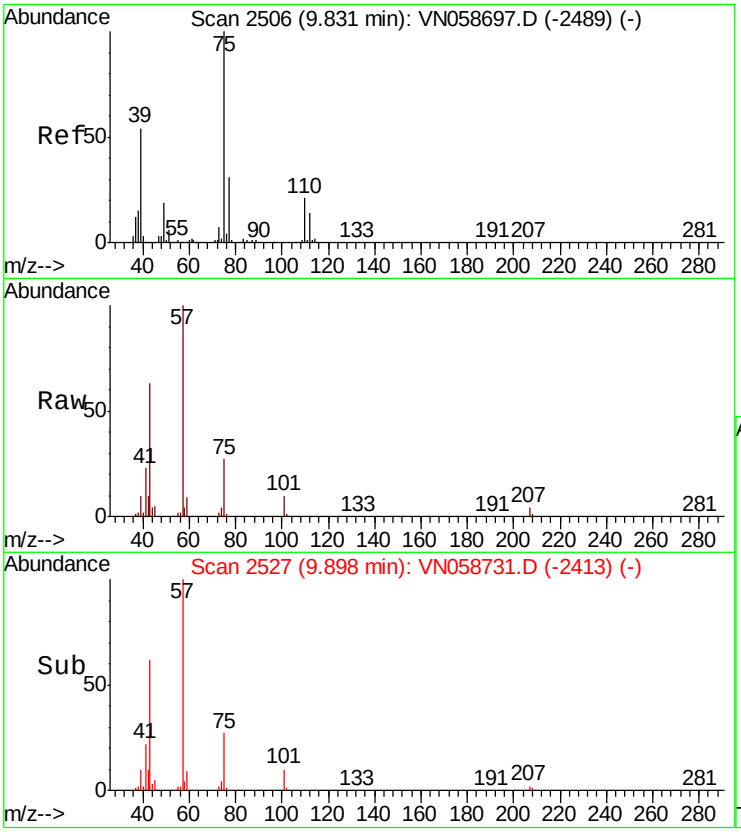




#51
4-Methyl-2-Pentanone
Concen: 1.263 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 7339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.6 | 30.3 | 45.5 |



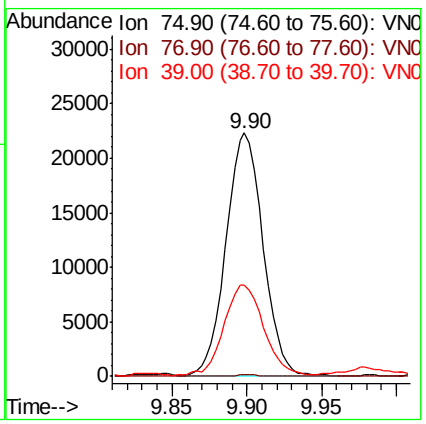


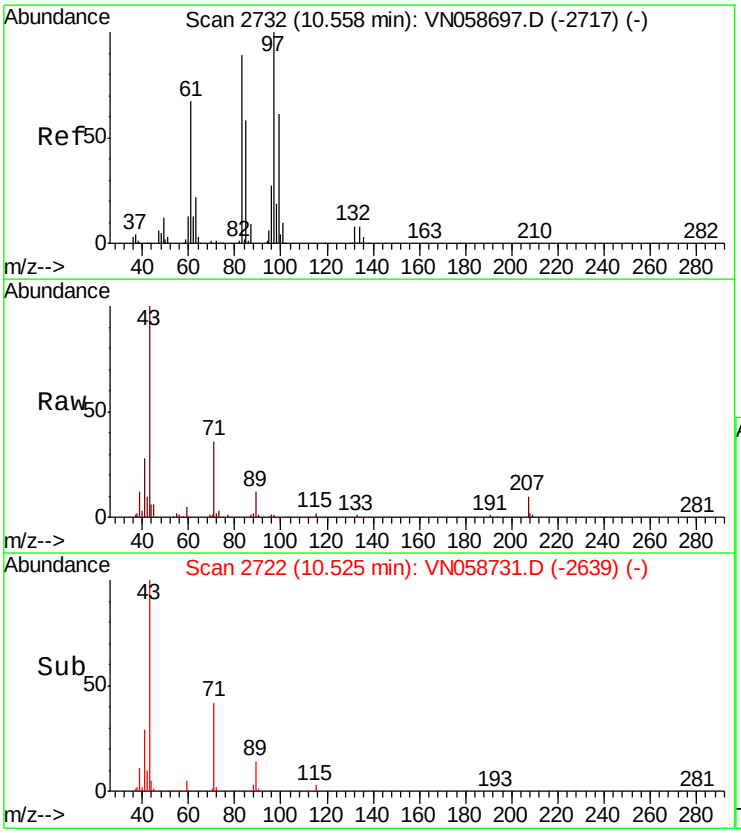

#54
cis-1,3-Dichloropropene
Concen: 5.315 ug/l
RT: 9.90 min Scan# 2527
Delta R.T. 0.07 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 75 Resp: 38571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.8 | 24.4 | 36.6# |
| 39 | 36.5 | 43.1 | 64.7# |

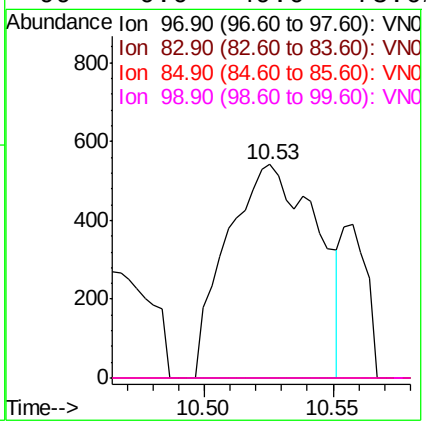


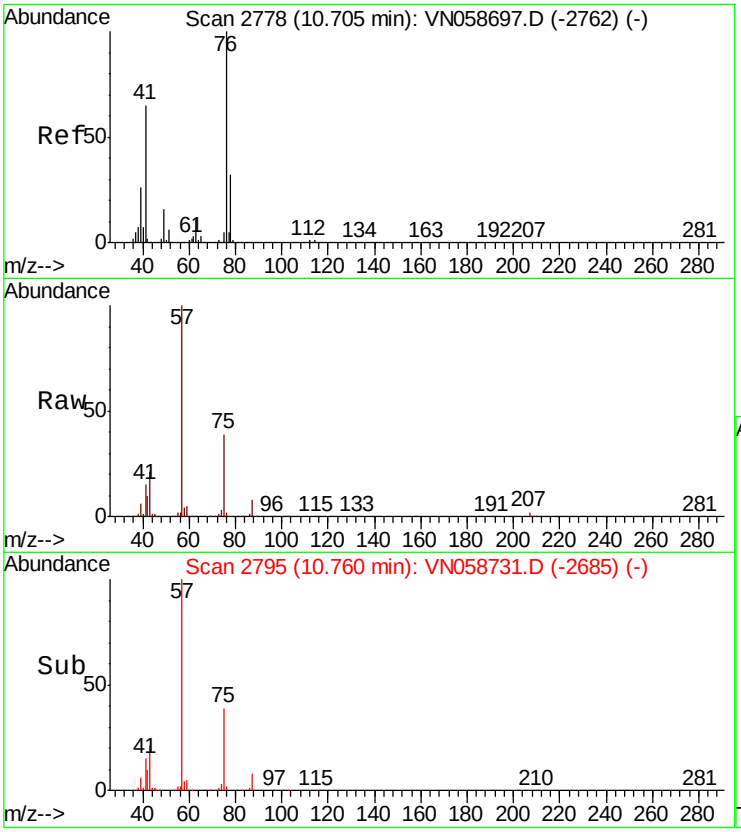




#55
1,1,2-Trichloroethane
Concen: 0.304 ug/l
RT: 10.53 min Scan# 2722
Delta R.T. -0.03 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 97 Resp: 1314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 0.0 | 71.2 | 106.8# |
| 85 | 0.0 | 46.7 | 70.1# |
| 99 | 0.0 | 49.0 | 73.6# |



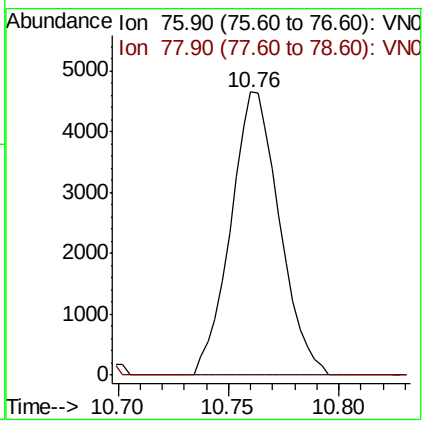


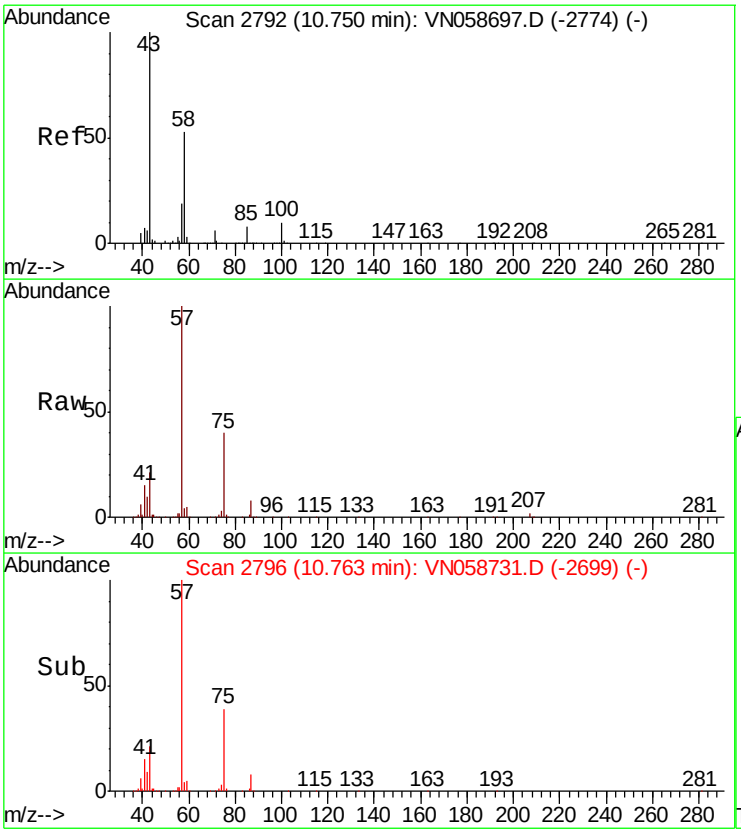

#57
1,3-Dichloropropane
Concen: 0.971 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.05 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 76 Resp: 7145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.9 | 38.9# |

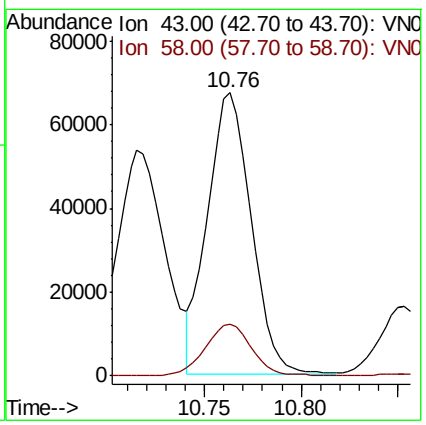


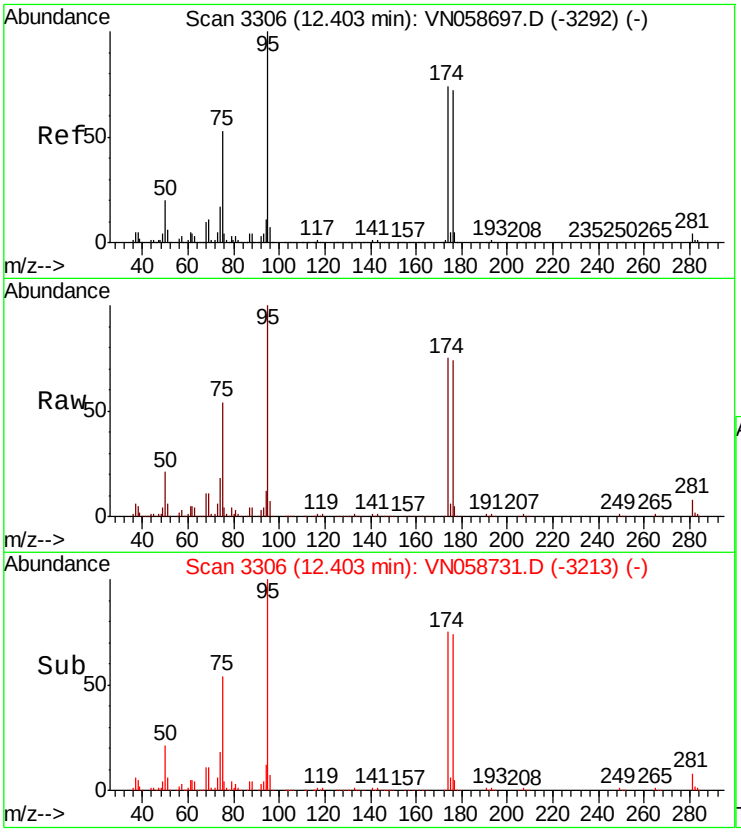




#59
2-Hexanone
Concen: 23.520 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 43 Resp: 105597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.7 | 26.1 | 78.3# |



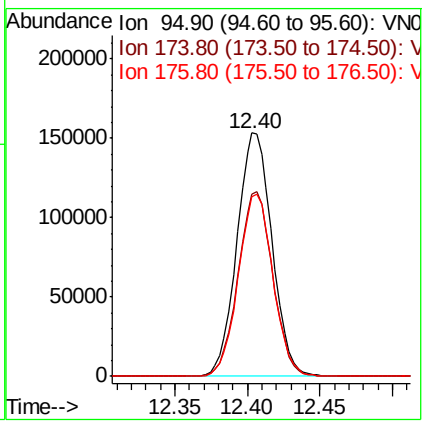


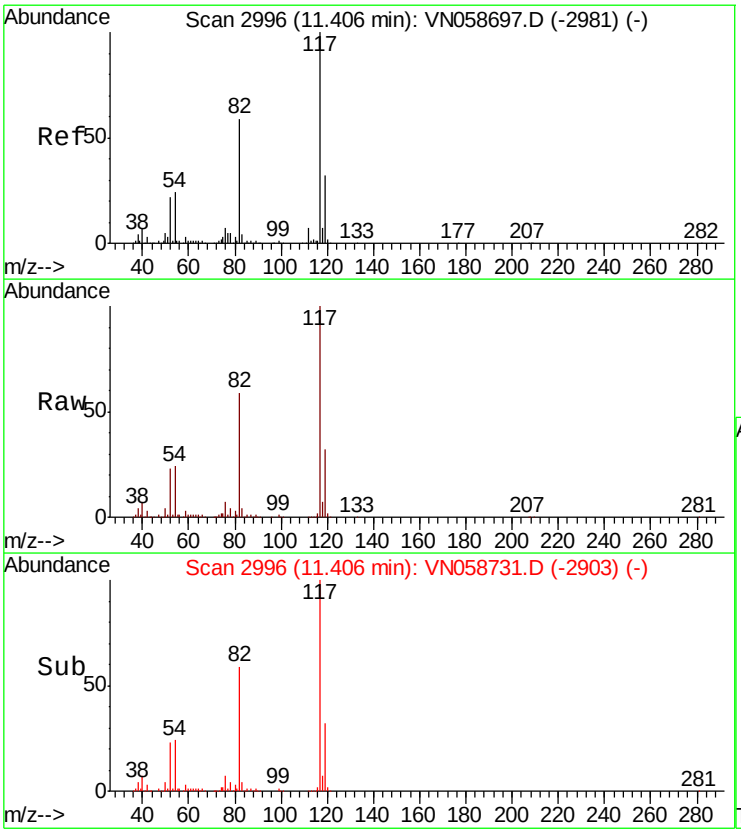

#62
4-Bromofluorobenzene
Concen: 46.368 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 95 Resp: 257446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.2 | 0.0 | 150.4 |
| 176 | 73.9 | 0.0 | 146.8 |

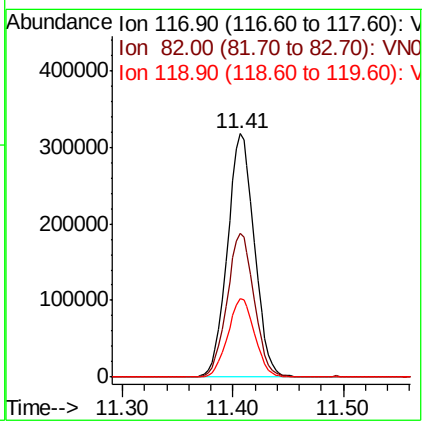


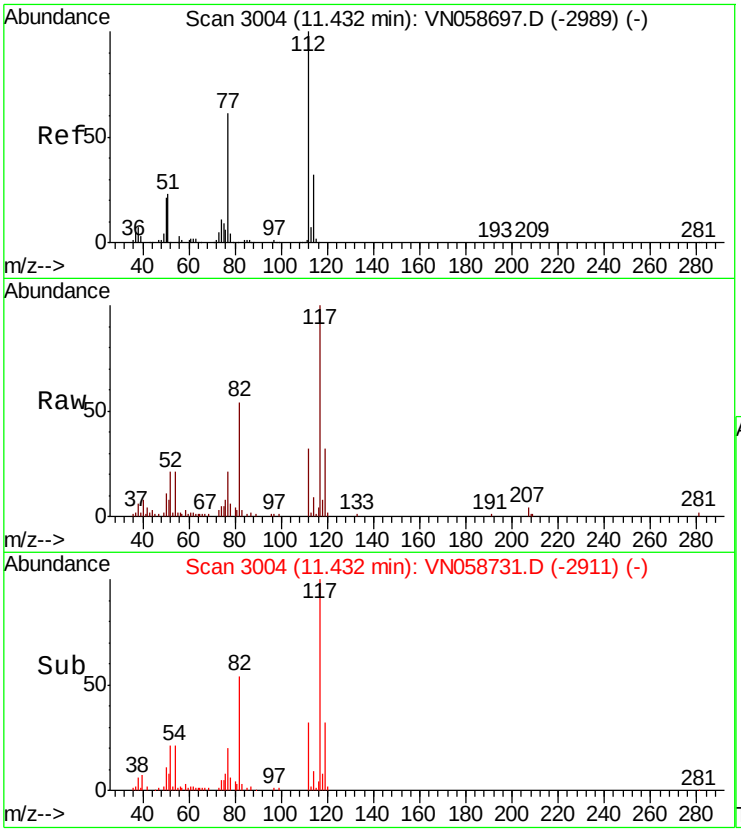




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:117 Resp: 537918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.2 | 47.0 | 70.4 |
| 119 | 32.1 | 25.4 | 38.2 |



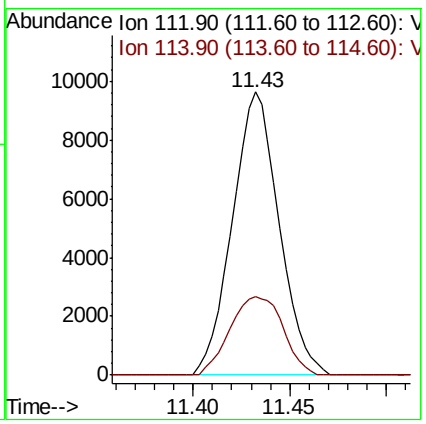


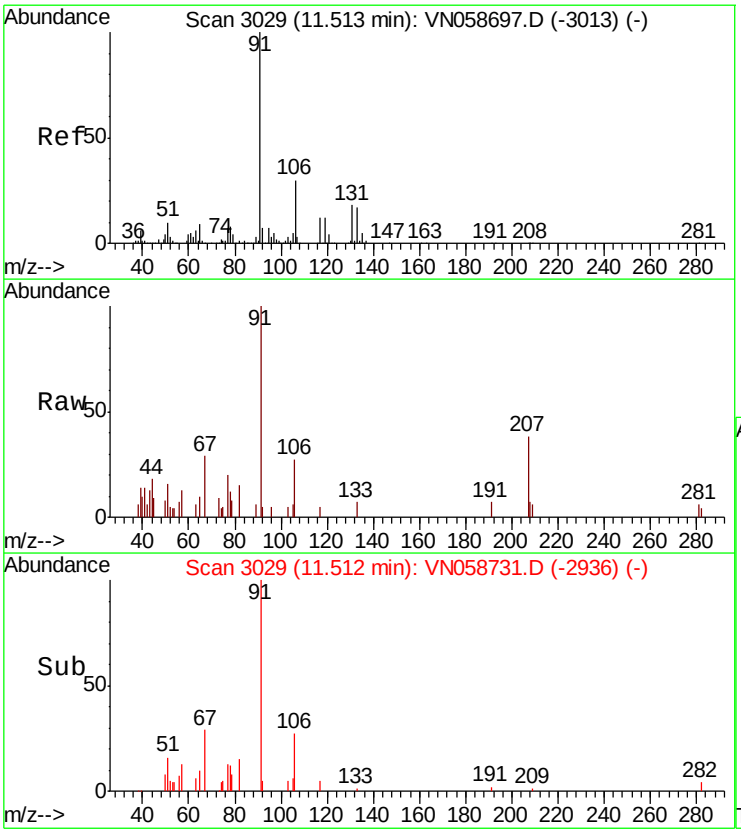

#65
Chlorobenzene
Concen: 1.483 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:112 Resp: 16195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 27.5 | 25.2 | 37.8 |

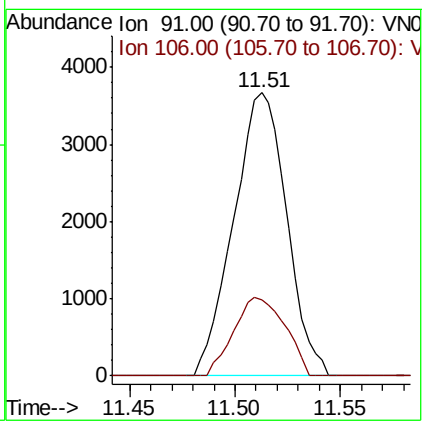


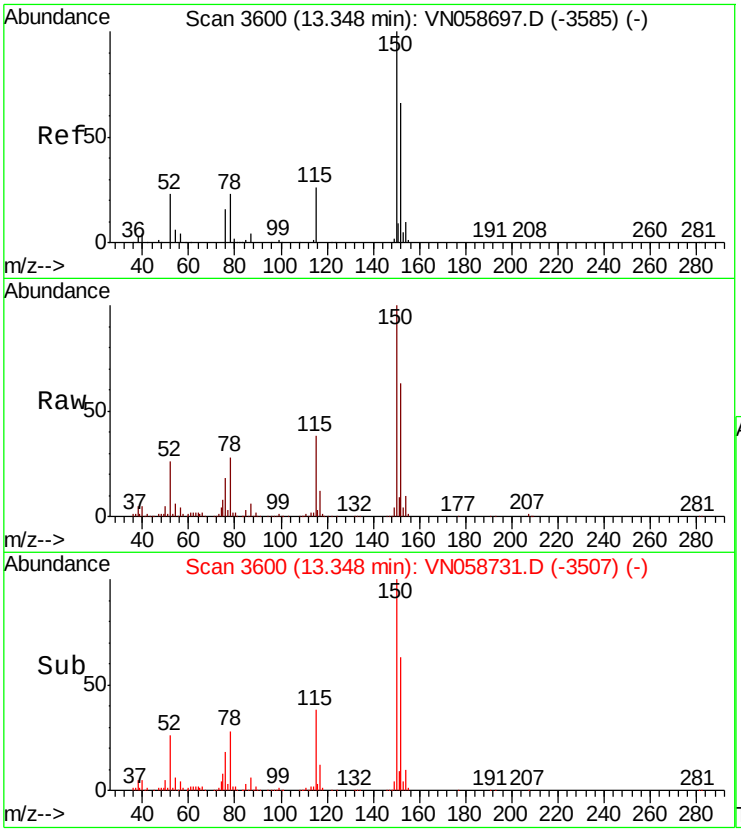




#67
Ethyl Benzene
Concen: 0.330 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 91 Resp: 6430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.0 | 24.1 | 36.1 |



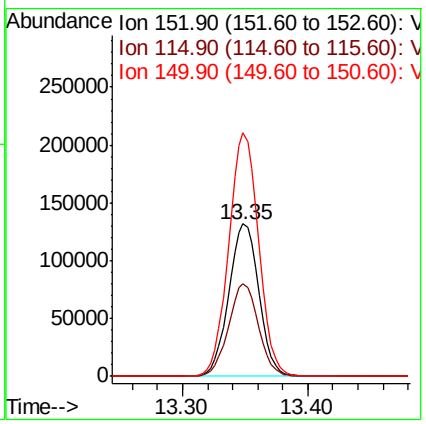


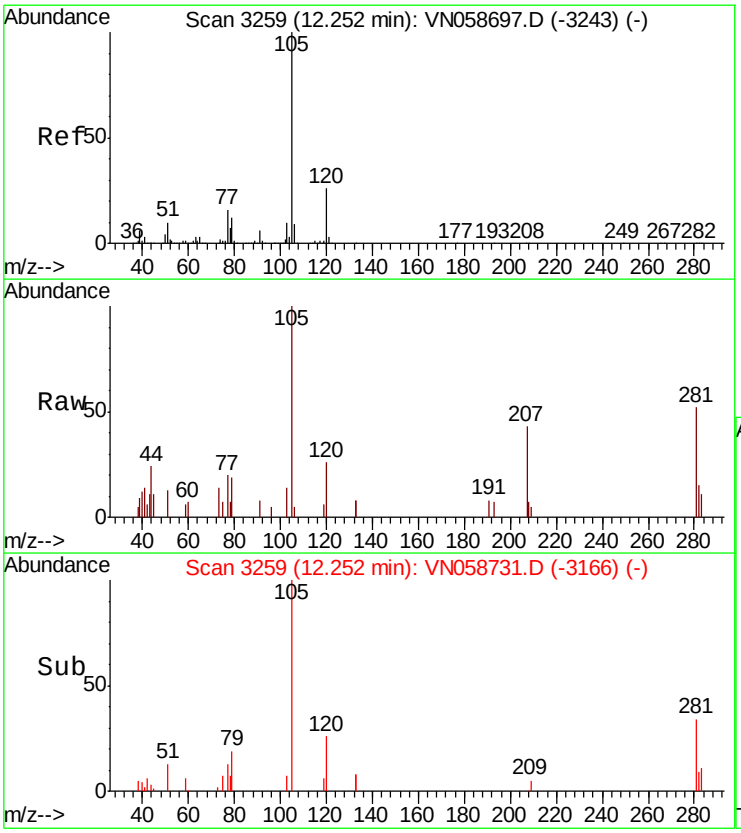

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:152 Resp: 219670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.8 | 30.4 | 91.2 |
| 150 | 158.6 | 0.0 | 345.4 |

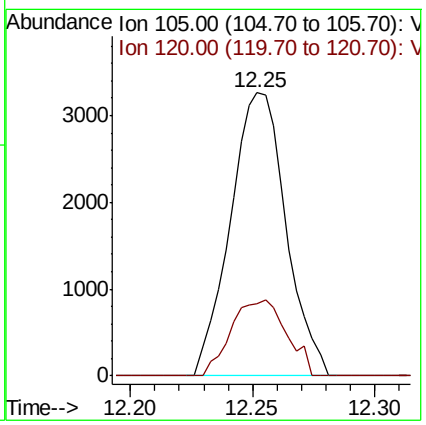


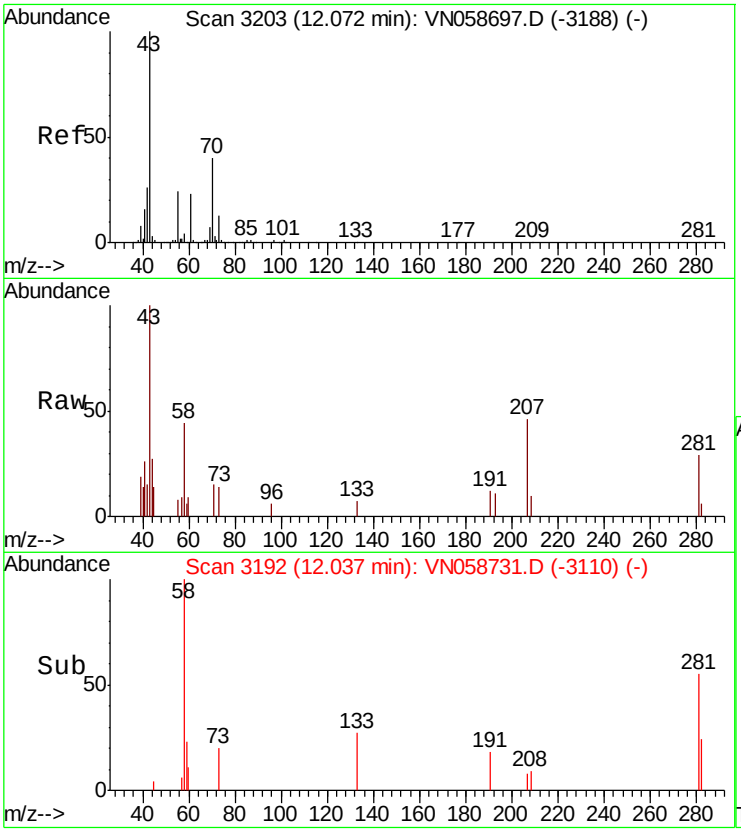




#73
Isopropylbenzene
Concen: 0.323 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:105 Resp: 5142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.8 | 13.1 | 39.1 |



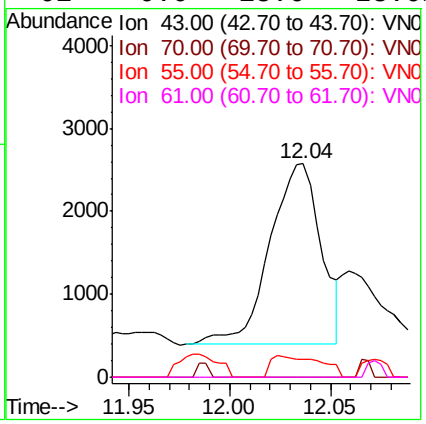


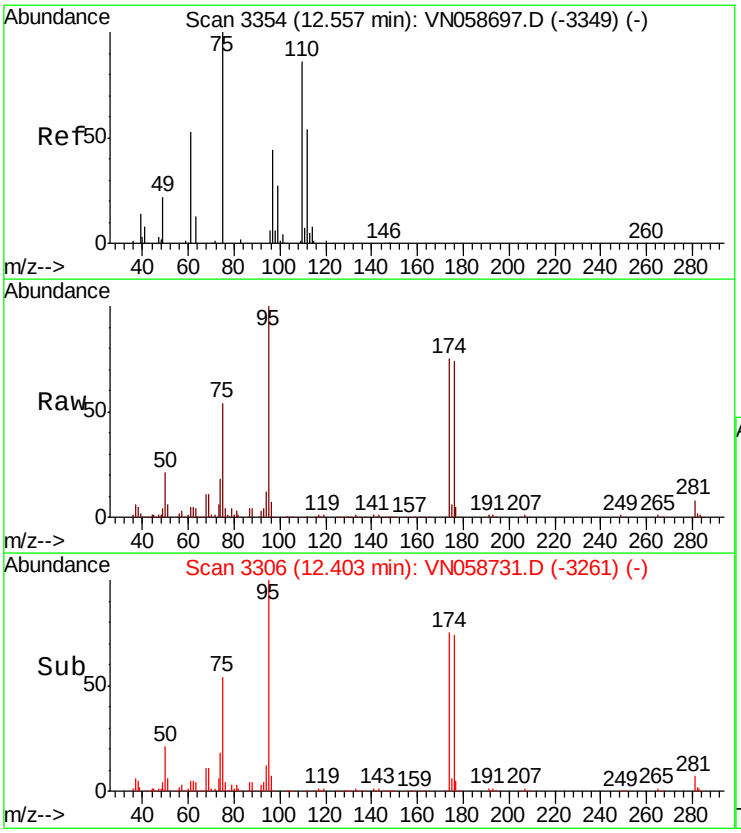

#74
N-amyl acetate
Concen: 0.534 ug/l
RT: 12.04 min Scan# 3192
Delta R.T. -0.04 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :** MSVOA_N
**ClientSampleId :** RAW-DISCRETE-CORE-C-1

Tgt Ion: 43 Resp: 3819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 32.2 | 48.4# |
| 55 | 11.6 | 19.6 | 29.4# |
| 61 | 0.0 | 18.6 | 28.0# |

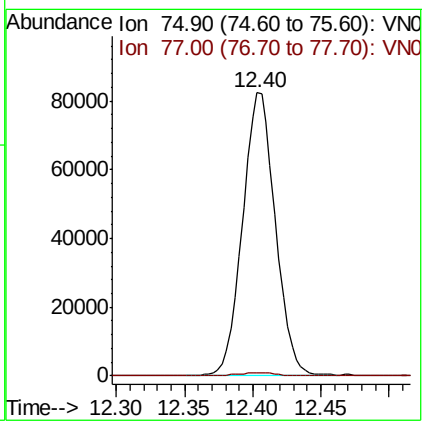


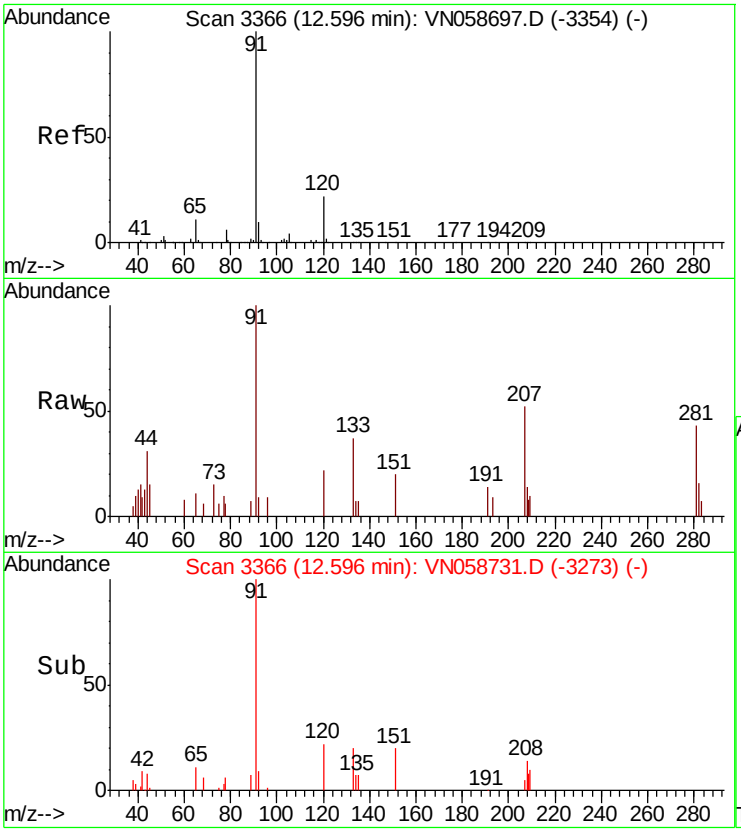




#76
1,2,3-Trichloropropane
Concen: 28.316 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 75 Resp: 136454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.5 | 0.0 | 0.0# |



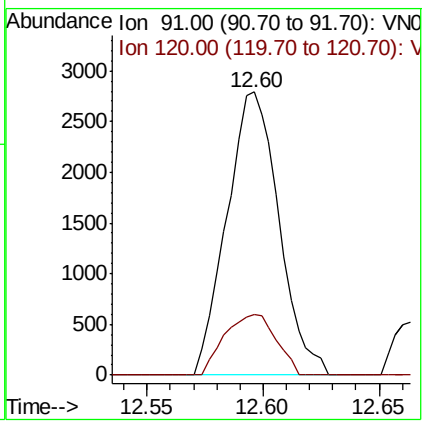


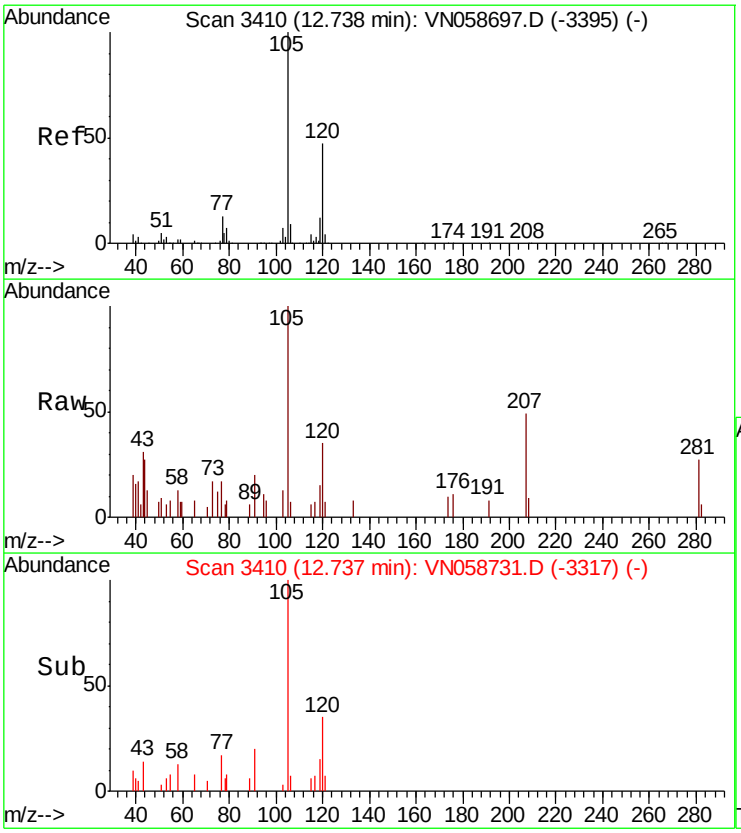

#78
n-propylbenzene
Concen: 0.235 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 91 Resp: 4352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.3 | 11.1 | 33.3 |

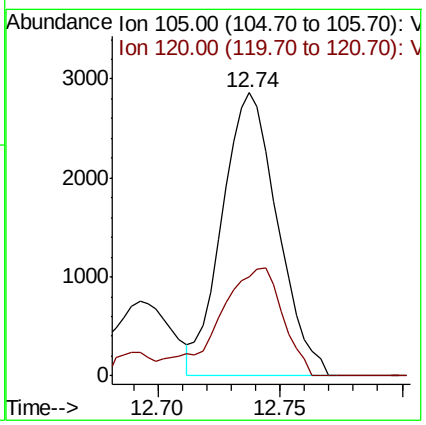


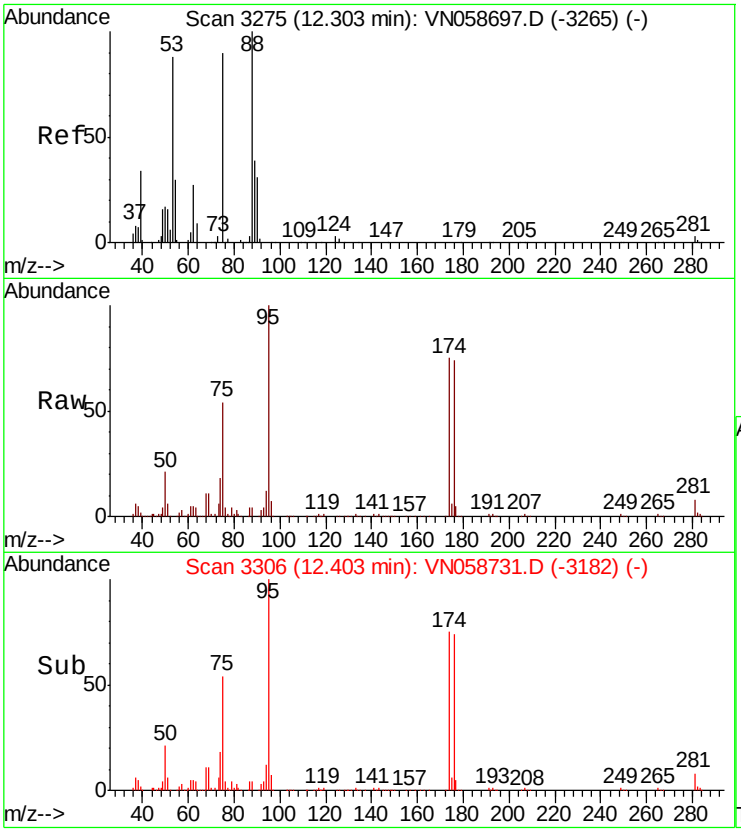




#80
1,3,5-Trimethylbenzene
Concen: 0.333 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:105 Resp: 4520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 23.4 | 70.2 |



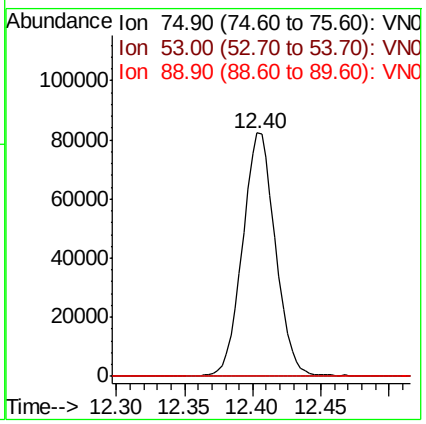


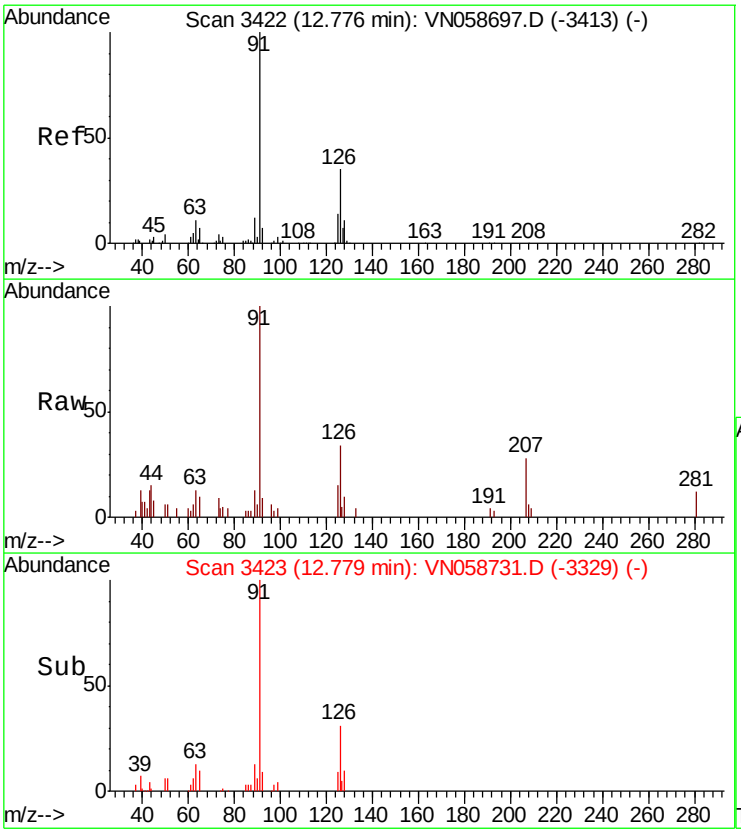

#81
trans-1,4-Dichloro-2-butene
Concen: 75.849 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 75 Resp: 136454

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

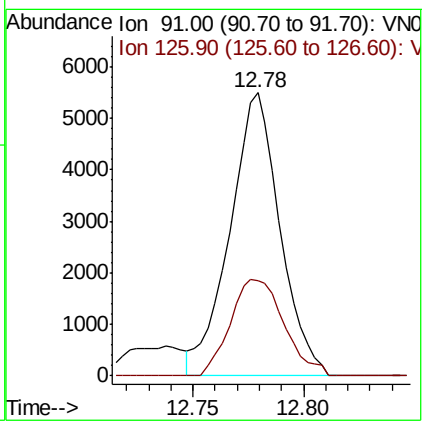


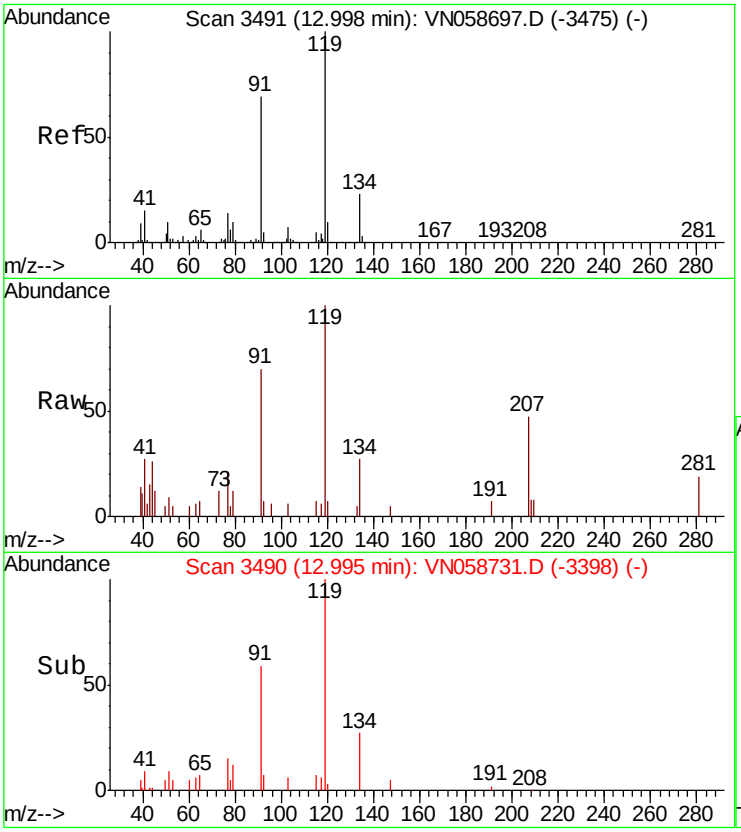




#82
4-Chlorotoluene
Concen: 0.733 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 91 Resp: 8654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 36.4 | 15.9 | 47.6 |



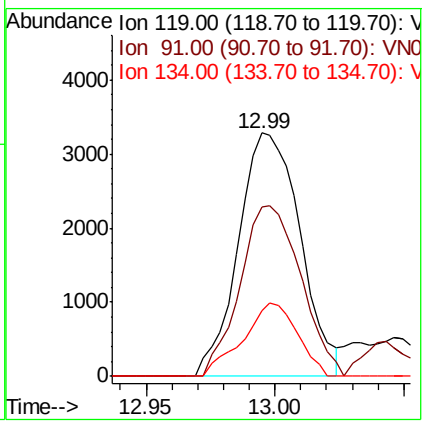


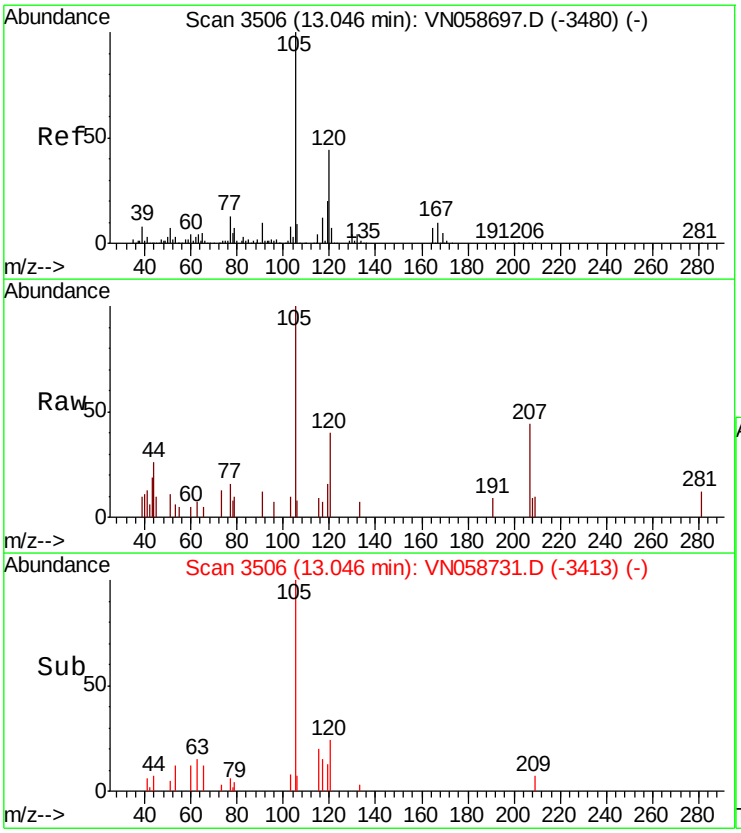

#83
tert-Butylbenzene
Concen: 0.473 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:119 Resp: 5498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 68.8 | 33.8 | 101.3 |
| 134 | 26.5 | 12.6 | 37.6 |

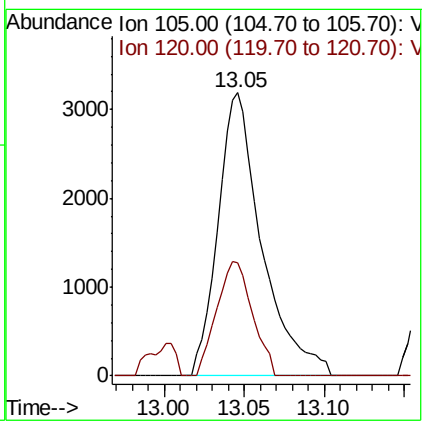


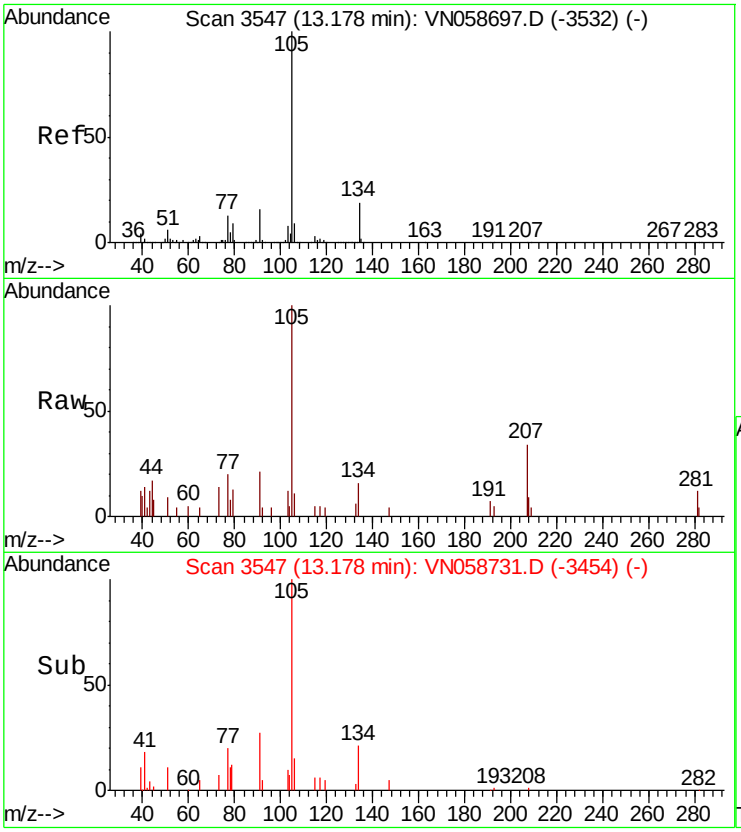




#84
1,2,4-Trimethylbenzene
Concen: 0.444 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:105 Resp: 5988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 32.9 | 21.9 | 65.7 |



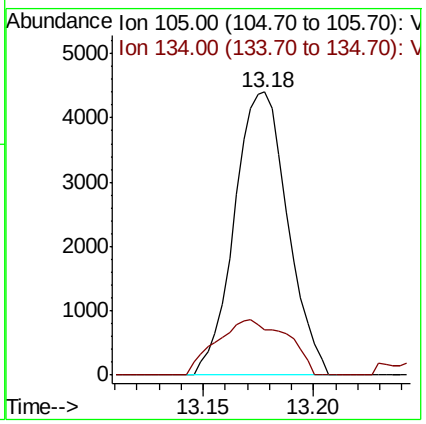


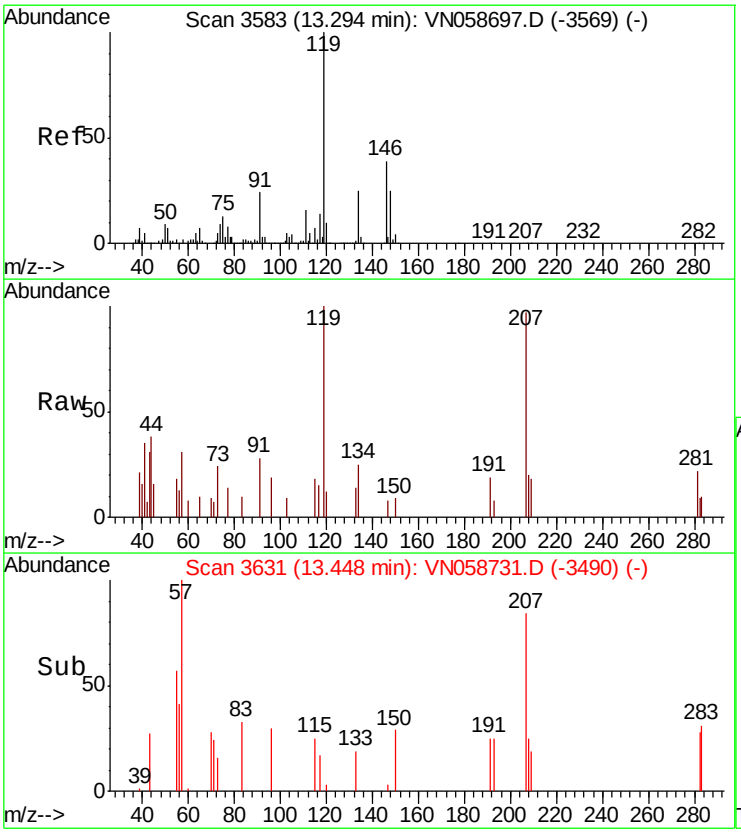

#85
sec-Butylbenzene
Concen: 0.481 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:105 Resp: 7367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 26.2 | 9.7 | 29.1 |

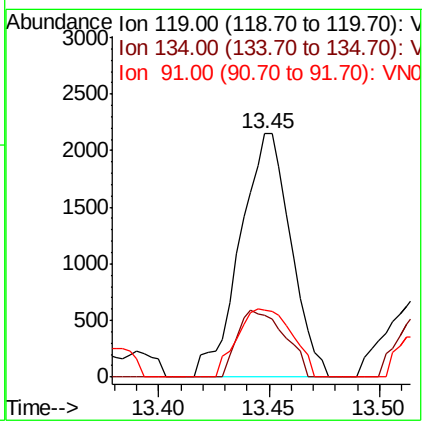


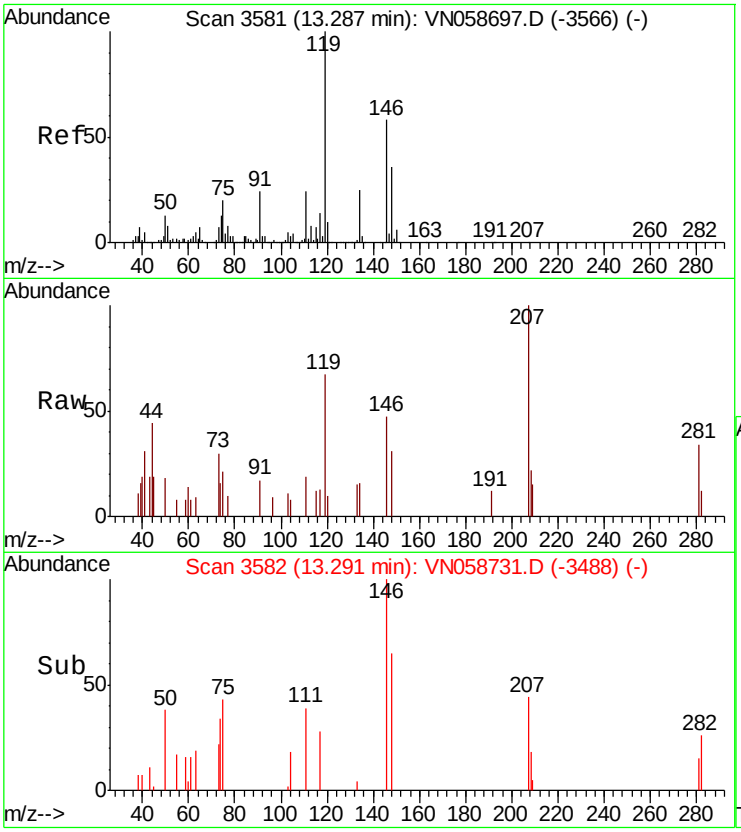




#86
p-Isopropyltoluene
Concen: 0.246 ug/l
RT: 13.45 min Scan# 3631
Delta R.T. 0.15 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:119 Resp: 3425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.7 | 38.1 |
| 91 | 30.3 | 11.9 | 35.5 |



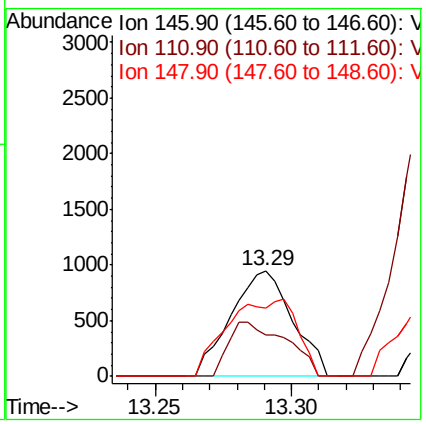


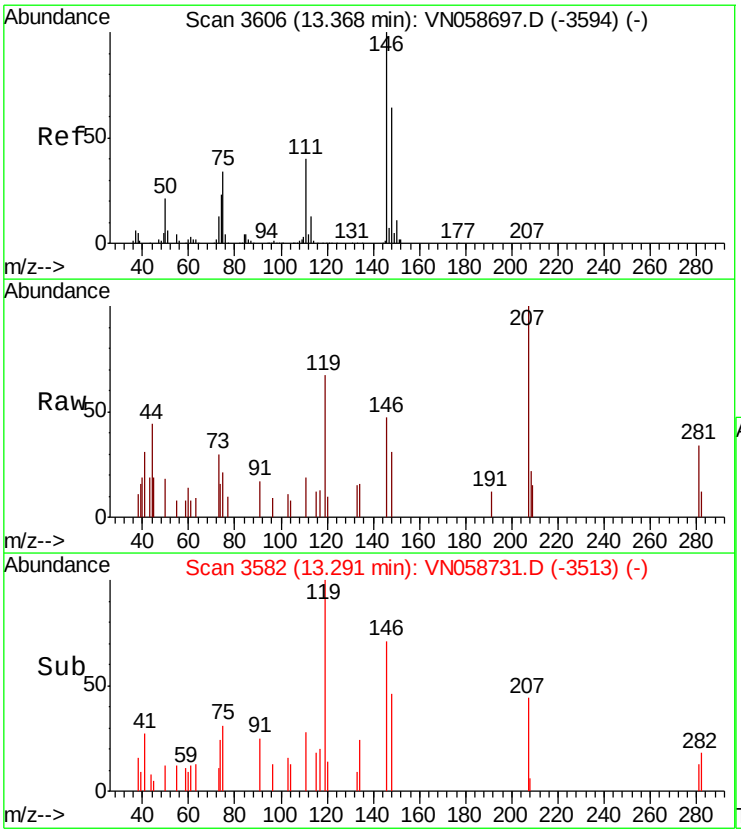

#87
1,3-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:146 Resp: 1480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.5 | 20.5 | 61.6 |
| 148 | 83.4 | 31.3 | 93.9 |

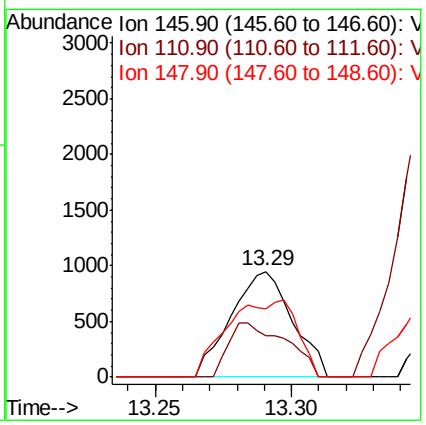


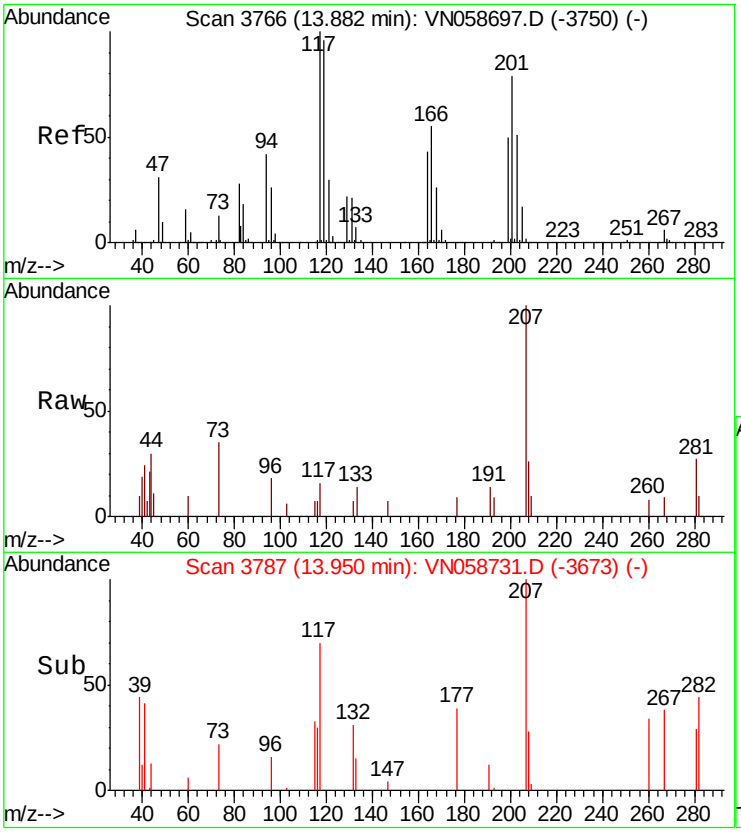




#88
1,4-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.08 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:146 Resp: 1480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 48.5 | 20.1 | 60.2 |
| 148 | 83.4 | 31.9 | 95.7 |



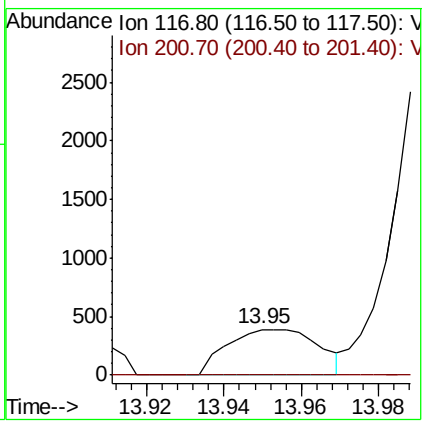


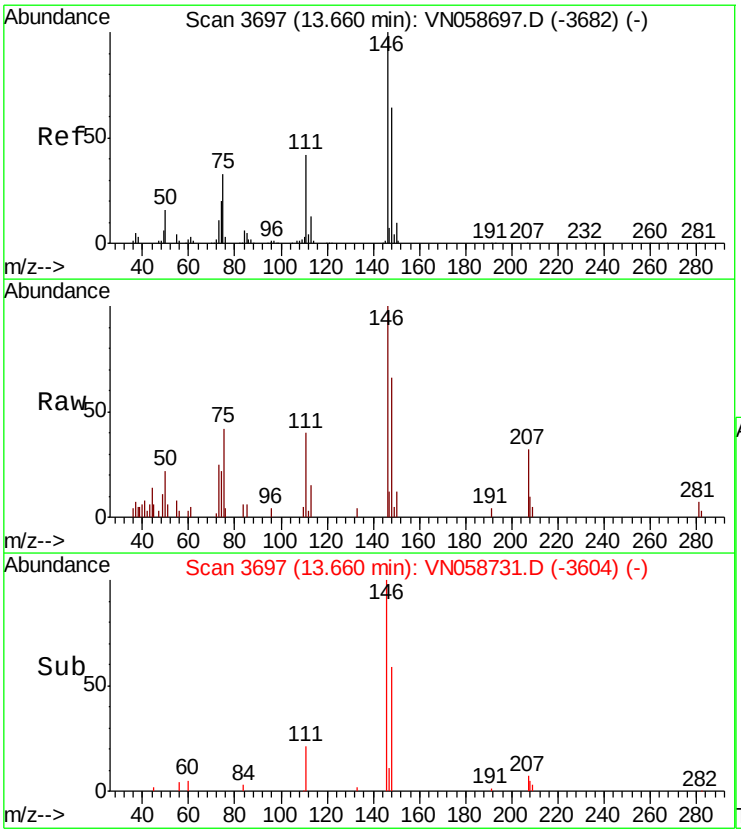

#90
Hexachloroethane
Concen: 0.255 ug/l
RT: 13.95 min Scan# 3787
Delta R.T. 0.07 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:117 Resp: 635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 39.6 | 118.7# |

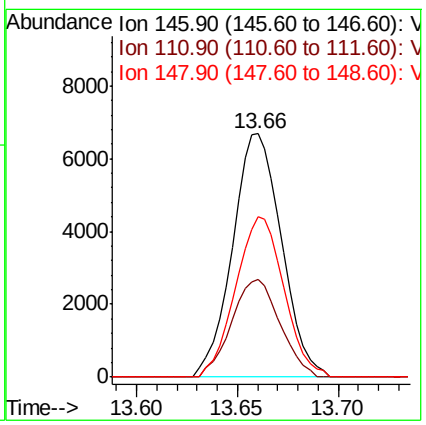


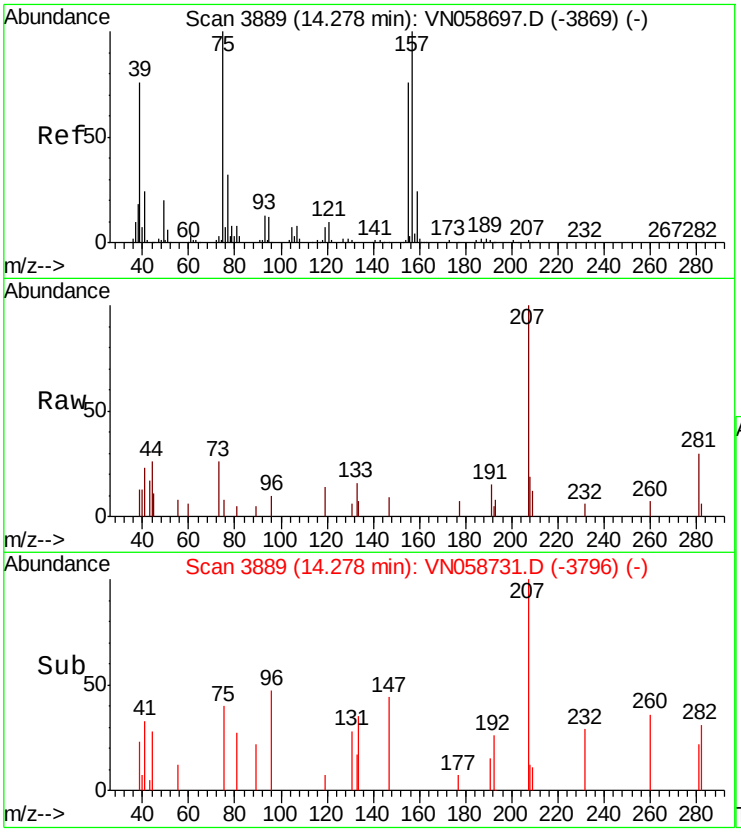




#91
1,2-Dichlorobenzene
Concen: 1.635 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:146 Resp: 11373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.6 | 21.1 | 63.4 |
| 148 | 64.7 | 31.8 | 95.3 |



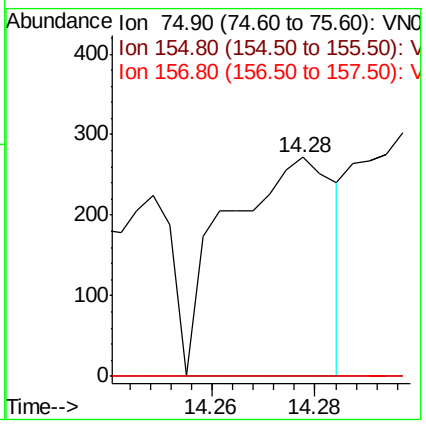


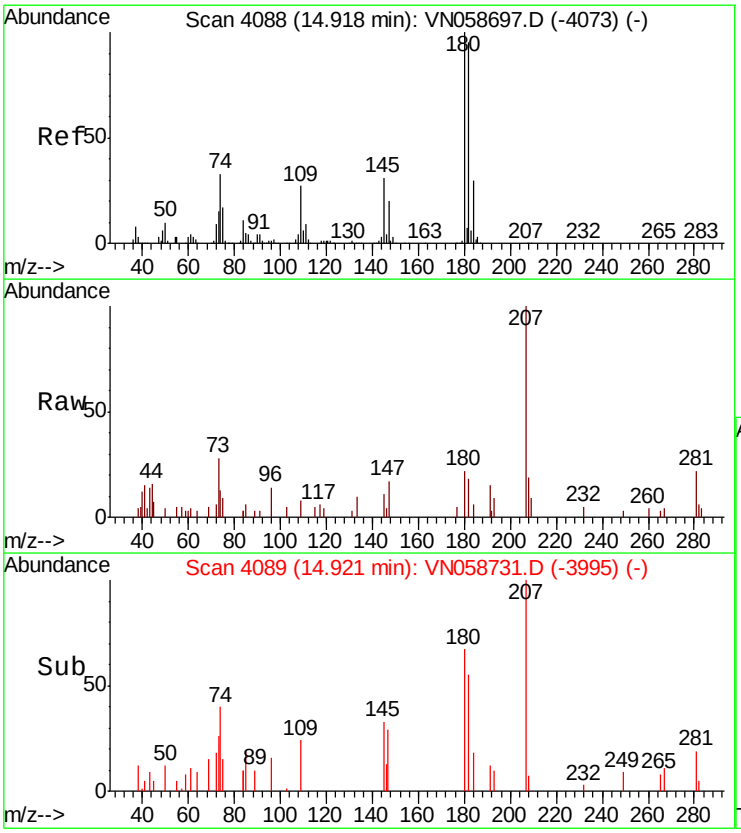

#92
1,2-Dibromo-3-Chloropropane
Concen: 0.321 ug/l
RT: 14.28 min Scan# 3889
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion: 75 Resp: 393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 37.9 | 113.6# |
| 157 | 0.0 | 49.4 | 148.2# |

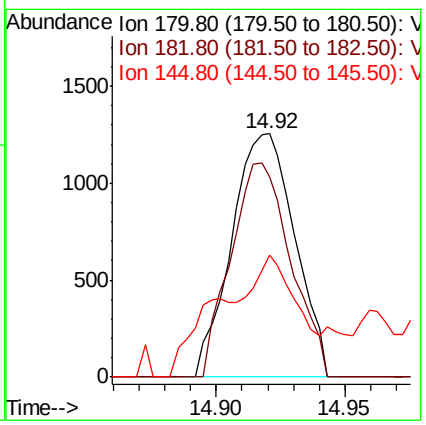


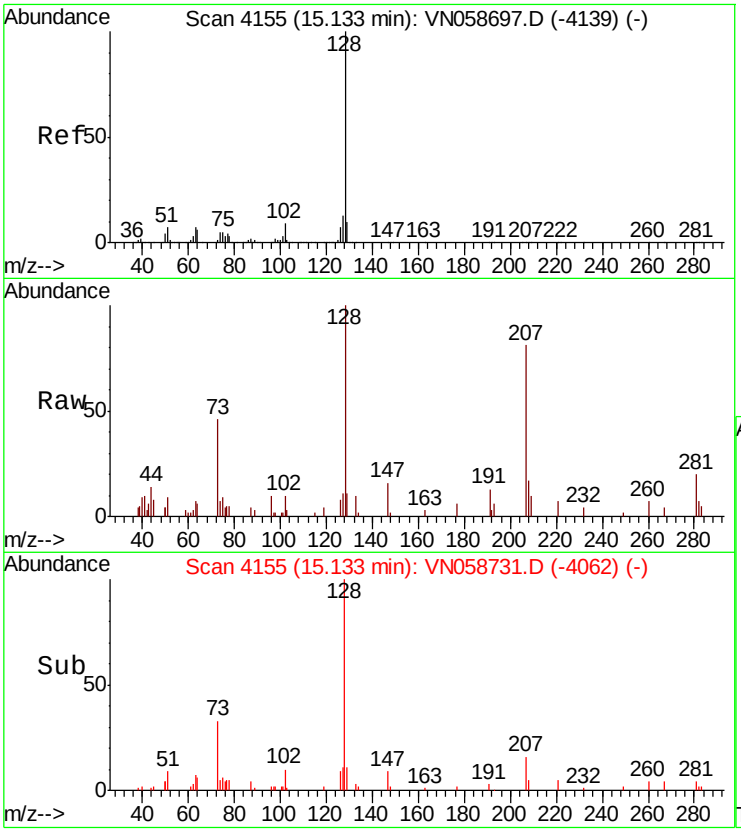




#93
1,2,4-Trichlorobenzene
Concen: 0.506 ug/l
RT: 14.92 min Scan# 4089
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:180 Resp: 2147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 83.3 | 47.4 | 142.2 |
| 145 | 38.6 | 15.4 | 46.2 |



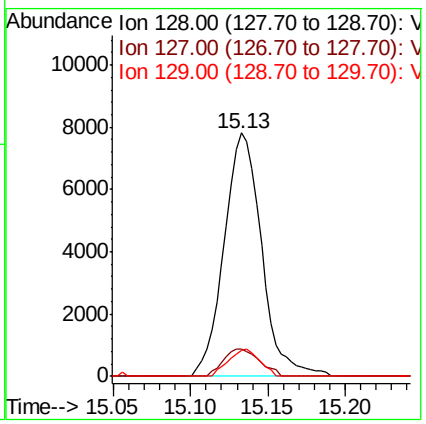


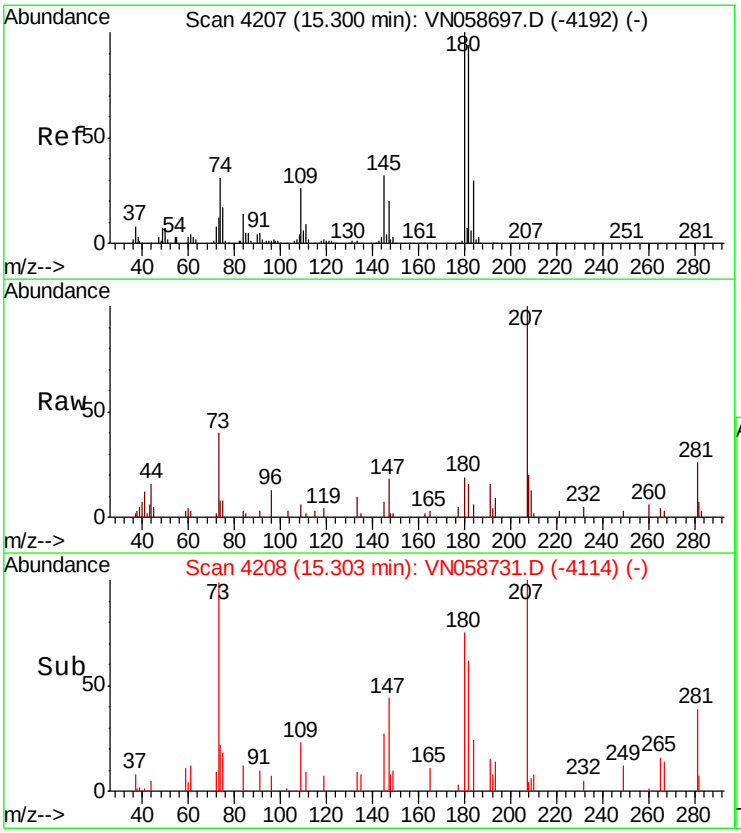

#95
Naphthalene
Concen: 1.077 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

**Instrument :**
MSVOA_N
**ClientSampleId :**
RAW-DISCRETE-CORE-C-1

Tgt Ion:128 Resp: 13135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 10.8 | 10.2 | 15.4 |
| 129 | 9.3 | 8.5 | 12.7 |




#96
1,2,3-Trichlorobenzene
Concen: 0.570 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion:180 Resp: 2362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 84.2 | 47.3 | 142.0 |
| 145 | 75.0 | 16.2 | 48.6# |