Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
Data File : VD060135.D
Acq On : 5 Oct 2018 12:03
Operator : VA/AP
Sample : VD1005SBL01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Quant Time: Oct 05 23:41:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 6.39 | 168 | 1644382 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 7.43 | 114 | 2242050 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.27 | 117 | 1845122 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152 | 947079 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.77 | 65 | 636095 | 51.03 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 102.06% | | | |
| 35) Dibromofluoromethane | 6.31 | 113 | 830266 | 48.77 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 97.54% | | | |
| 50) Toluene-d8 | 9.44 | 98 | 2341337 | 48.23 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.46% | | | |
| 62) 4-Bromofluorobenzene | 12.42 | 95 | 900967 | 49.56 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.14 | 94 | 3099 | 2.162 | ug/l # | 46 |
| 11) Tert butyl alcohol | 3.94 | 59 | 2778 | 3.108 | ug/l # | 74 |
| 15) Acrylonitrile | 4.06 | 53 | 3842 | 1.038 | ug/l | 88 |
| 16) Acetone | 3.15 | 43 | 13771 | 6.089 | ug/l | 91 |
| 20) Methylene Chloride | 3.70 | 84 | 62011 | Below Cal | | 95 |
| 25) 2-Butanone | 5.63 | 43 | 20012 | 3.542 | ug/l # | 85 |
| 29) Tetrahydrofuran | 5.93 | 42 | 4807 | 1.465 | ug/l | 91 |
| 31) Cyclohexane | 6.38 | 56 | 33263 | 1.232 | ug/l # | 1 |
| 37) Ethyl Acetate | 5.63 | 43 | 20013 | 1.407 | ug/l # | 50 |
| 38) Carbon Tetrachloride | 6.38 | 117 | 129199 | 6.644 | ug/l # | 16 |
| 51) 4-Methyl-2-Pentanone | 9.33 | 43 | 12046 | 1.021 | ug/l | 94 |
| 76) 1,2,3-Trichloropropane | 12.42 | 75 | 306405 | 22.465 | ug/l # | 44 |
| 81) trans-1,4-Dichloro-2-buten | 12.42 | 75 | 365071 | 95.259 | ug/l # | 13 |

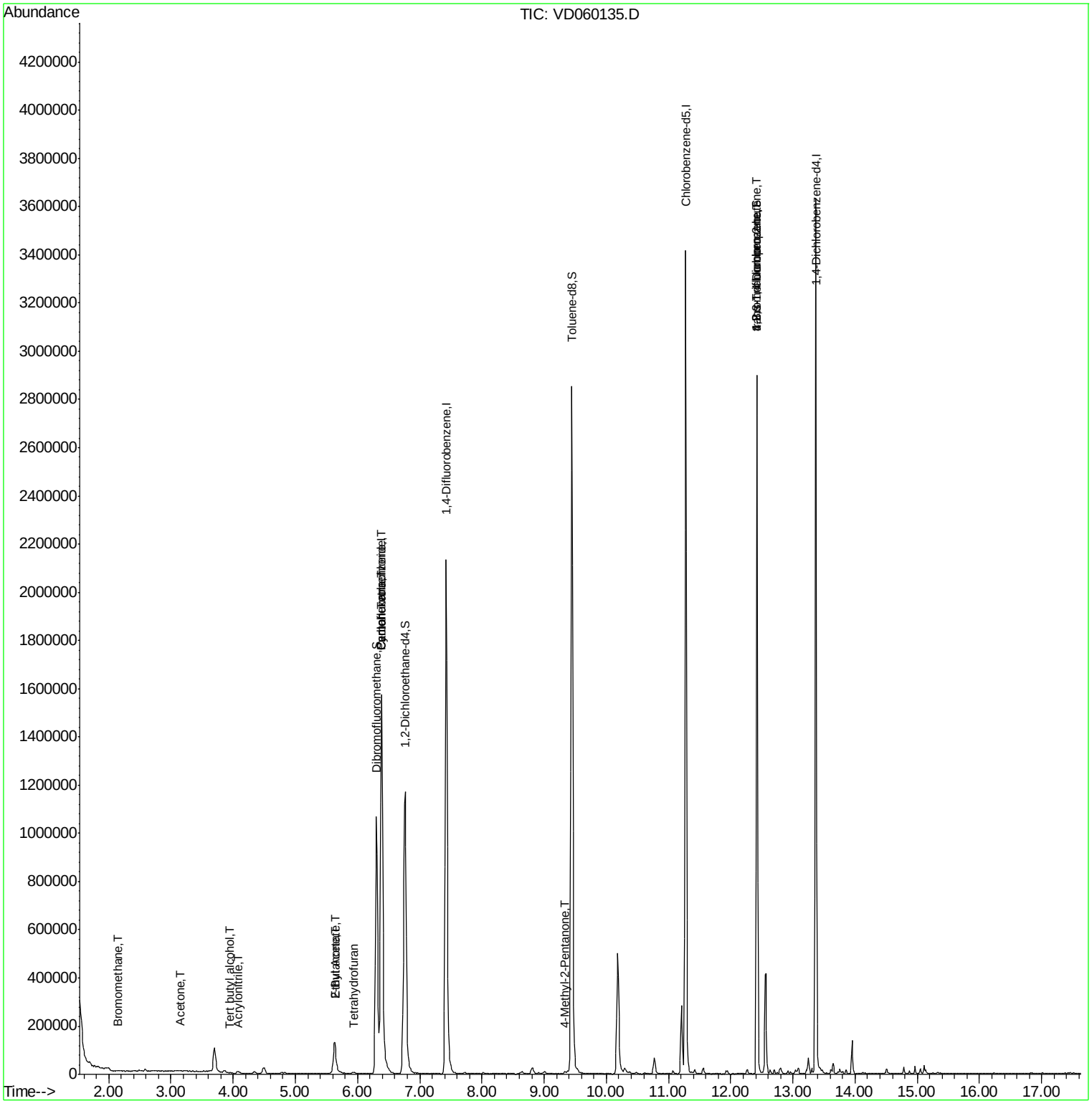
(#) = qualifier out of range (m) = manual integration (+) = signals summed

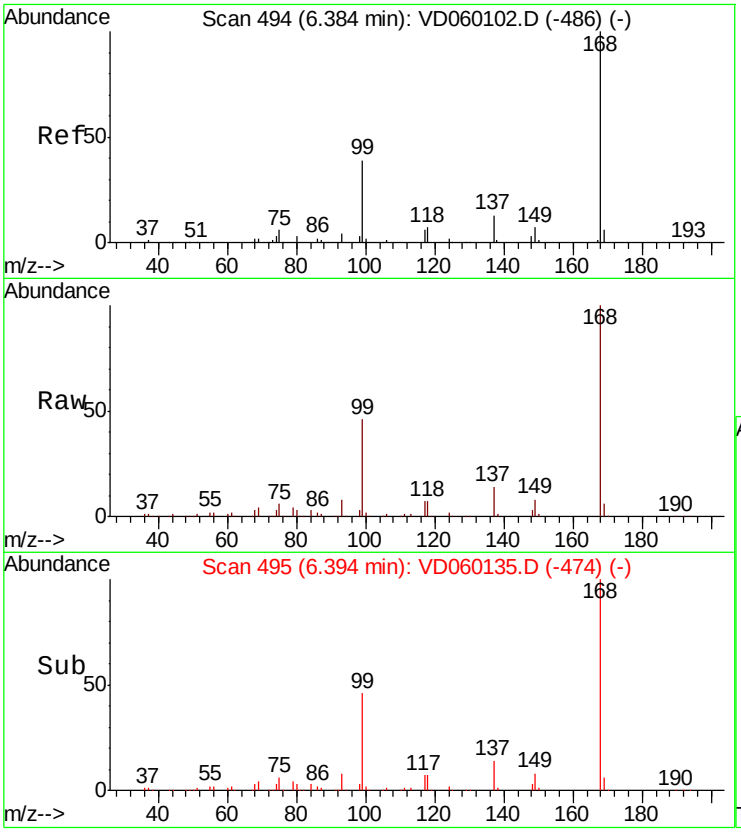
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
Data File : VD060135.D
Acq On : 5 Oct 2018 12:03
Operator : VA/AP
Sample : VD1005SBL01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1005SBL01

Quant Time: Oct 05 23:41:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration



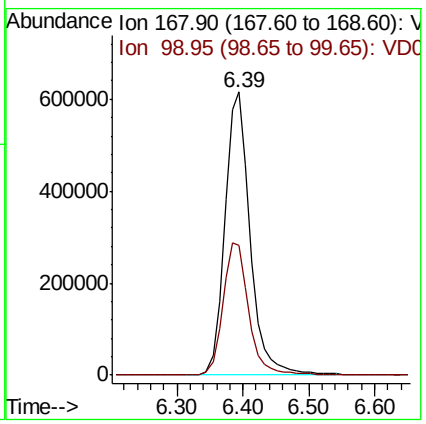


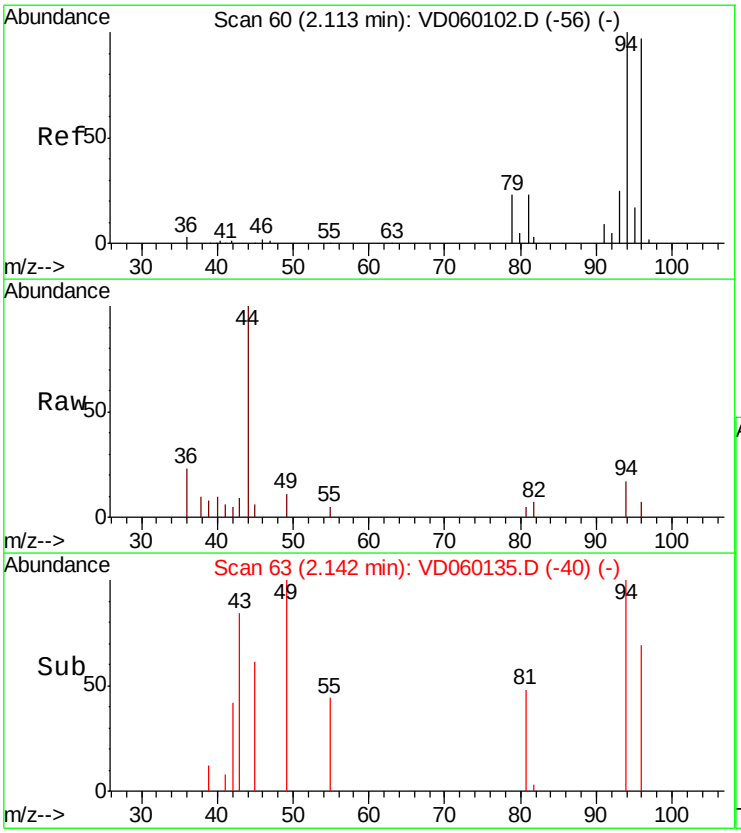

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1005SBL01

Tgt Ion:168 Resp: 1644382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 45.9 | 35.4 | 53.0 |

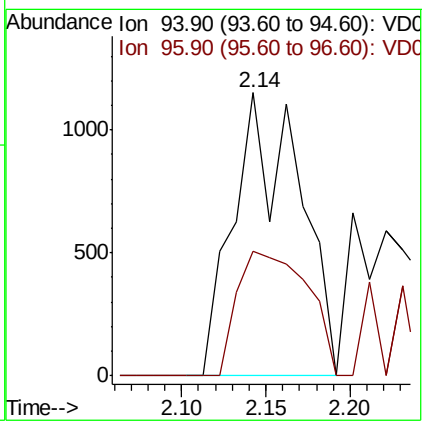


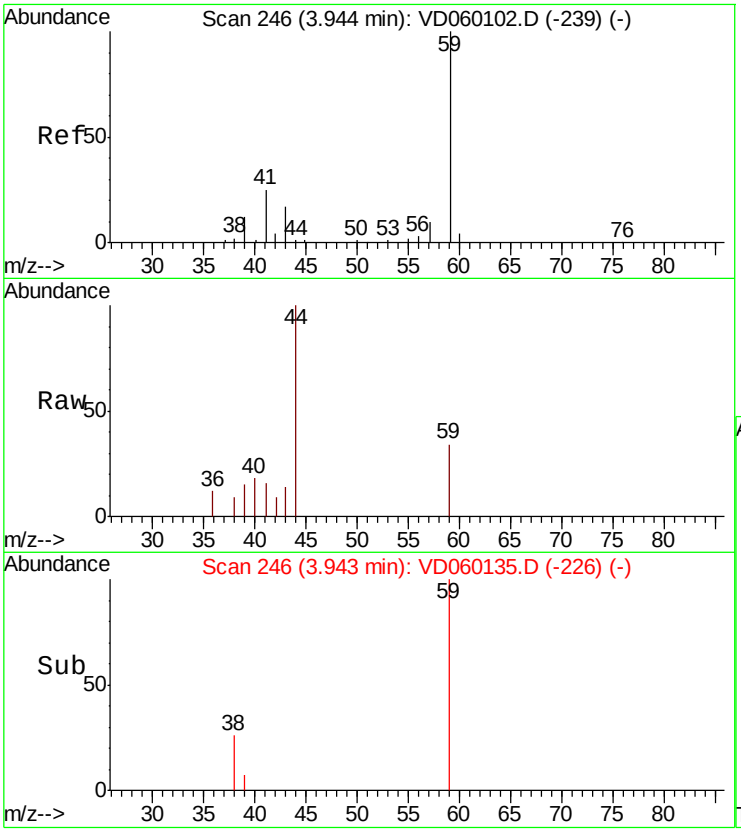




#5
Bromomethane
Concen: 2.162 ug/l
RT: 2.14 min Scan# 63
Delta R.T. 0.03 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 94 Resp: 3099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 43.9 | 77.4 | 116.2# |



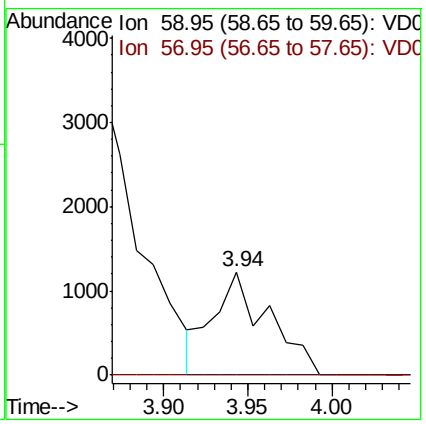


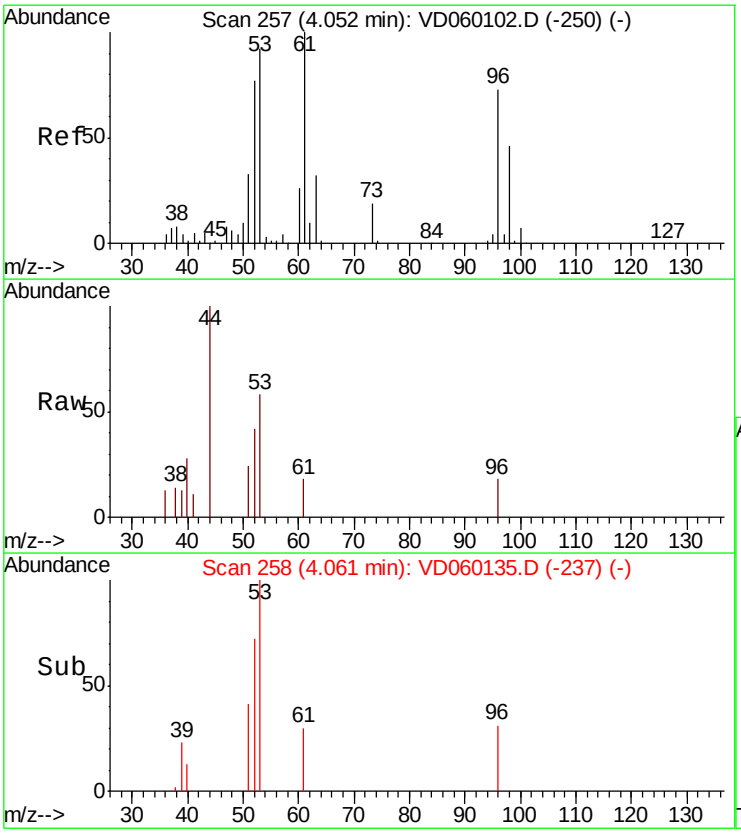

#11
Tert butyl alcohol
Concen: 3.108 ug/l
RT: 3.94 min Scan# 246
Delta R.T. -0.00 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion: 59 Resp: 2778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.8 | 11.6# |

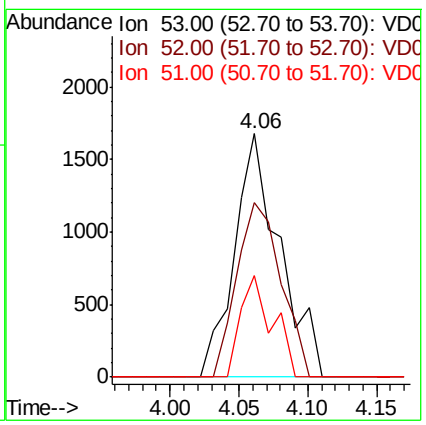


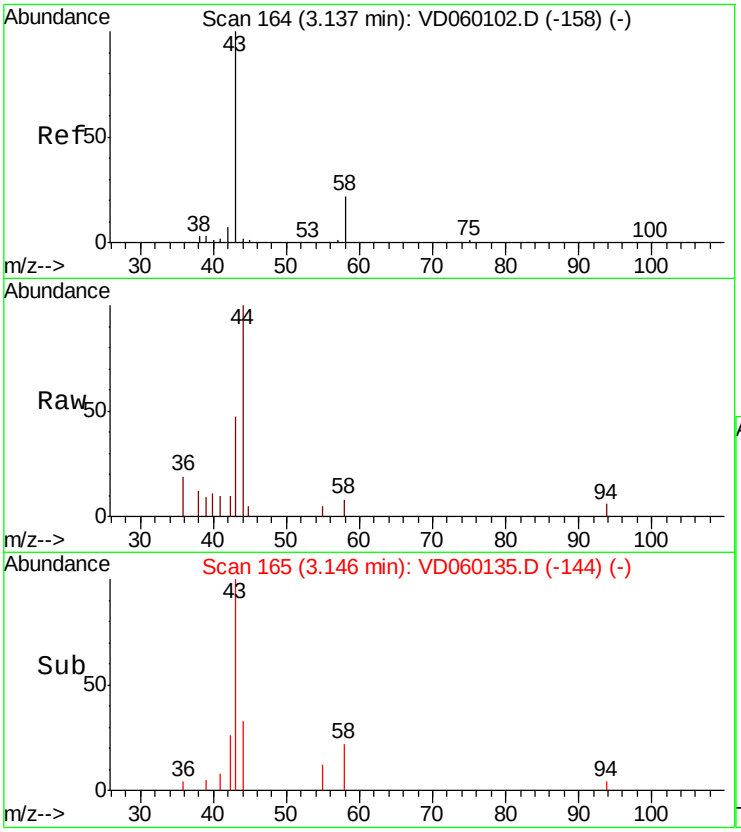




#15
Acrylonitrile
Concen: 1.038 ug/l
RT: 4.06 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 53 Resp: 3842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 71.9 | 67.5 | 101.3 |
| 51 | 41.5 | 29.3 | 43.9 |



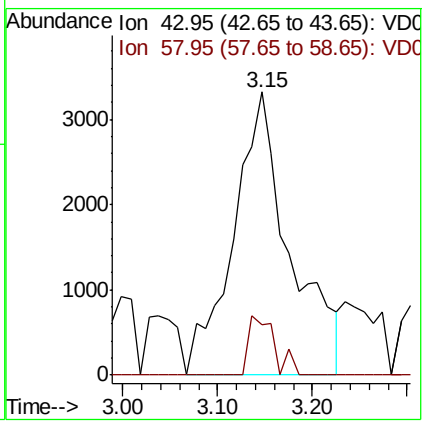


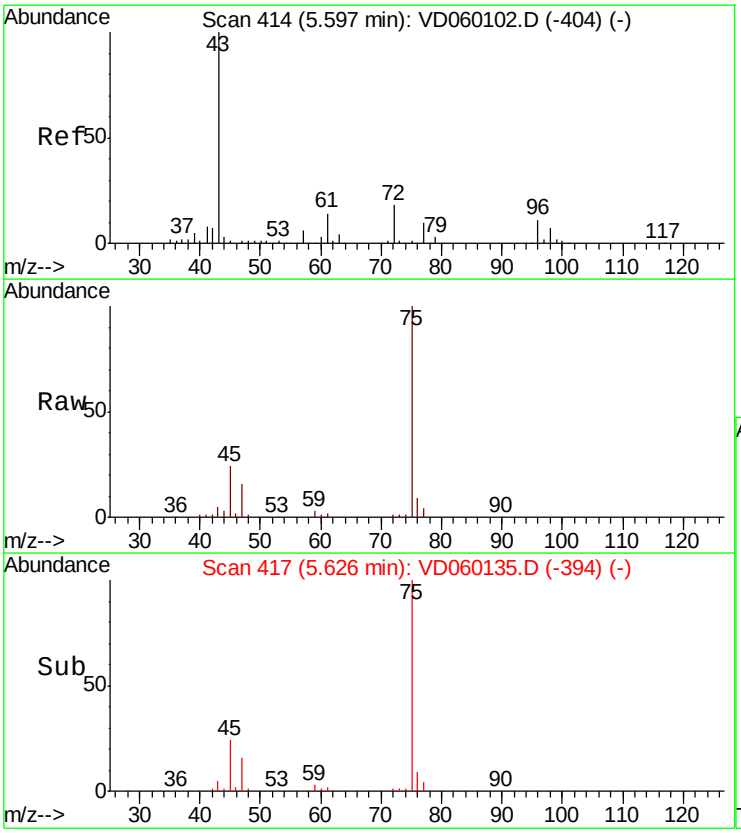

#16
Acetone
Concen: 6.089 ug/l
RT: 3.15 min Scan# 165
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion: 43 Resp: 13771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 18.0 | 17.7 | 26.5 |

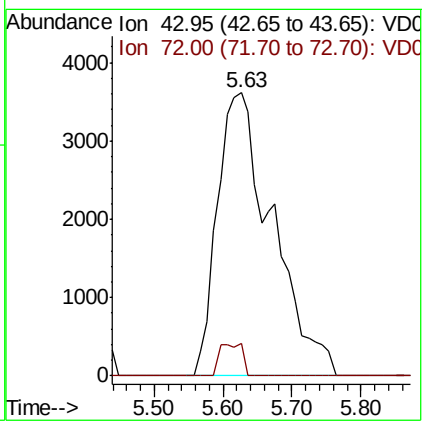


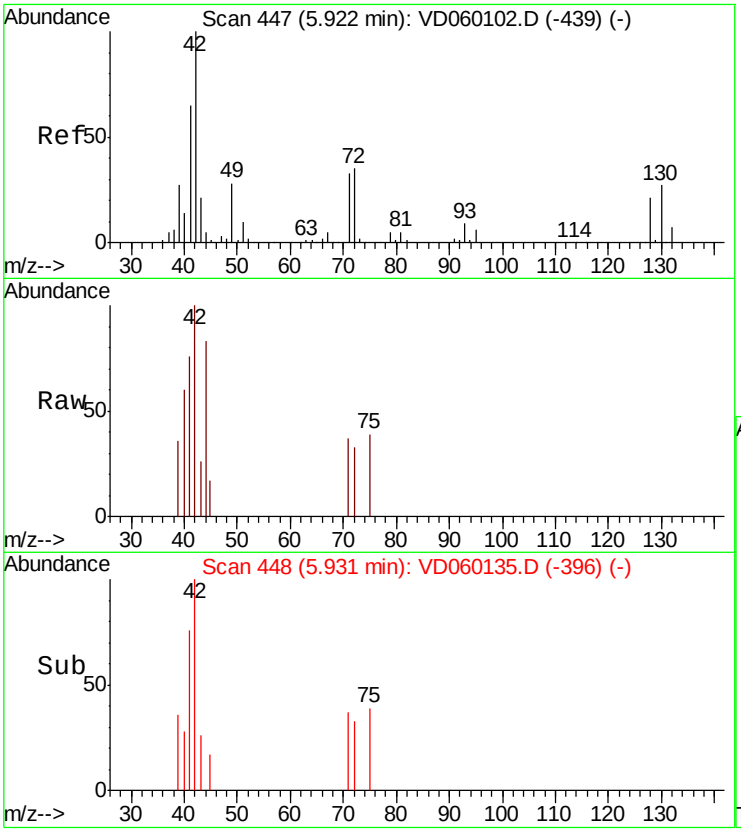




#25
2-Butanone
Concen: 3.542 ug/l
RT: 5.63 min Scan# 417
Delta R.T. 0.03 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 43 Resp: 20012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 11.4 | 14.5 | 21.7# |



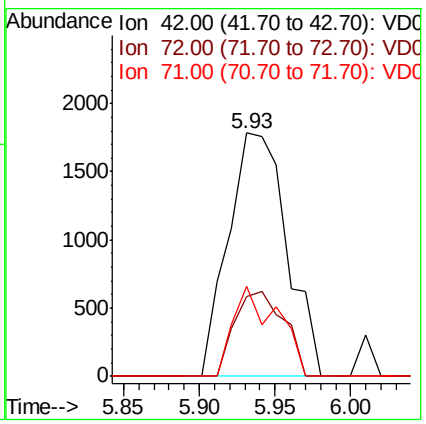


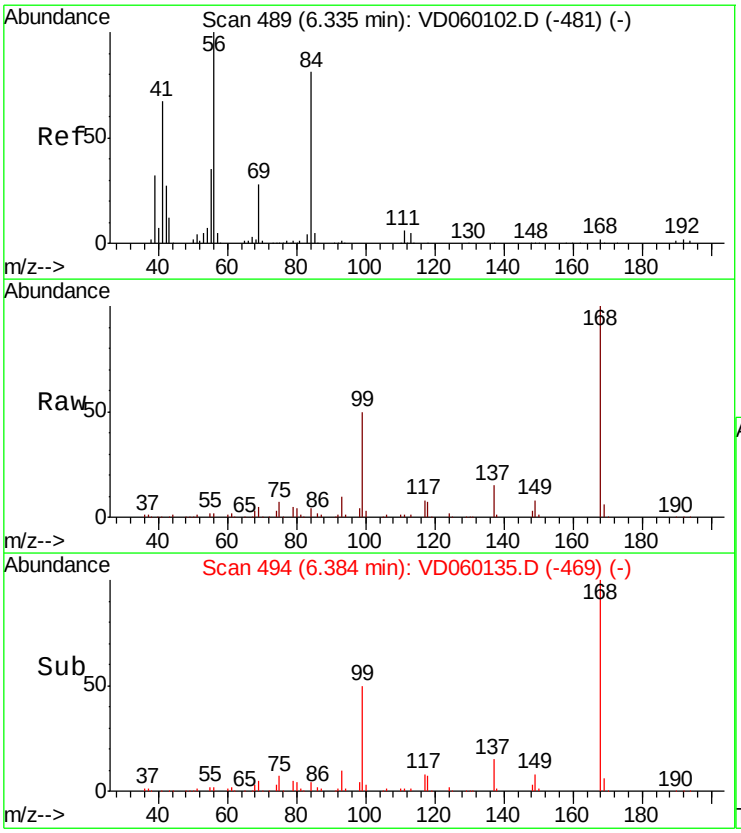

#29
Tetrahydrofuran
Concen: 1.465 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1005SBL01

Tgt Ion: 42 Resp: 4807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 29.2 | 26.9 | 40.3 |
| 71 | 27.8 | 26.7 | 40.1 |

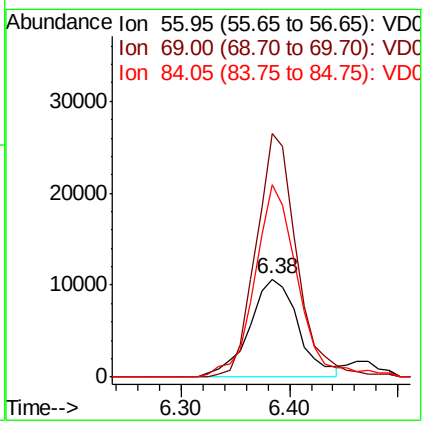


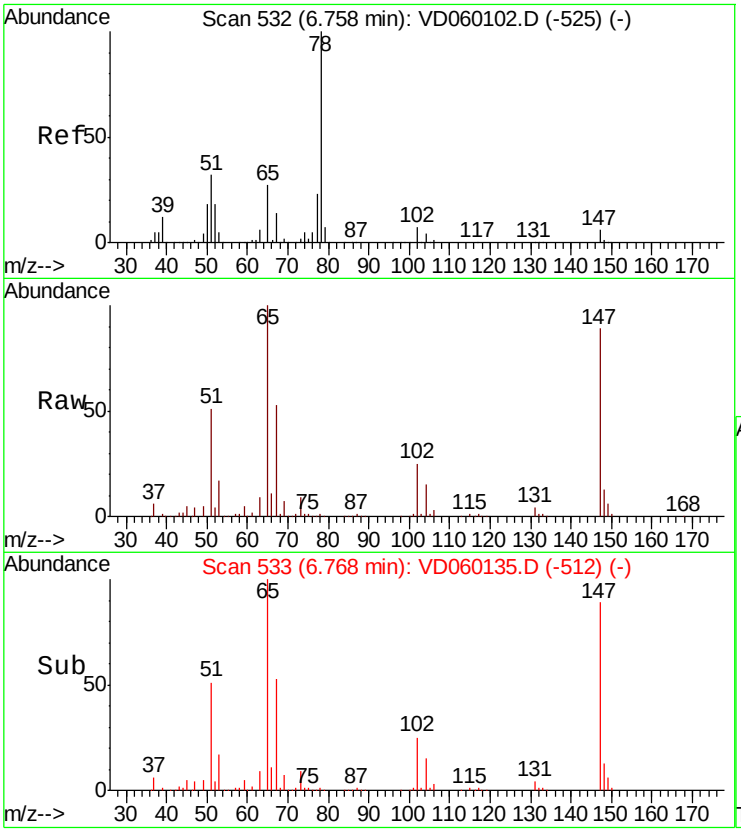




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 6.38 min Scan# 494
Delta R.T. 0.05 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 56 Resp: 33263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 247.6 | 22.8 | 34.2# |
| 84 | 196.1 | 64.9 | 97.3# |



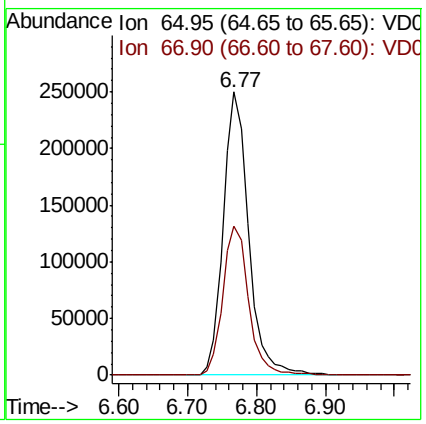


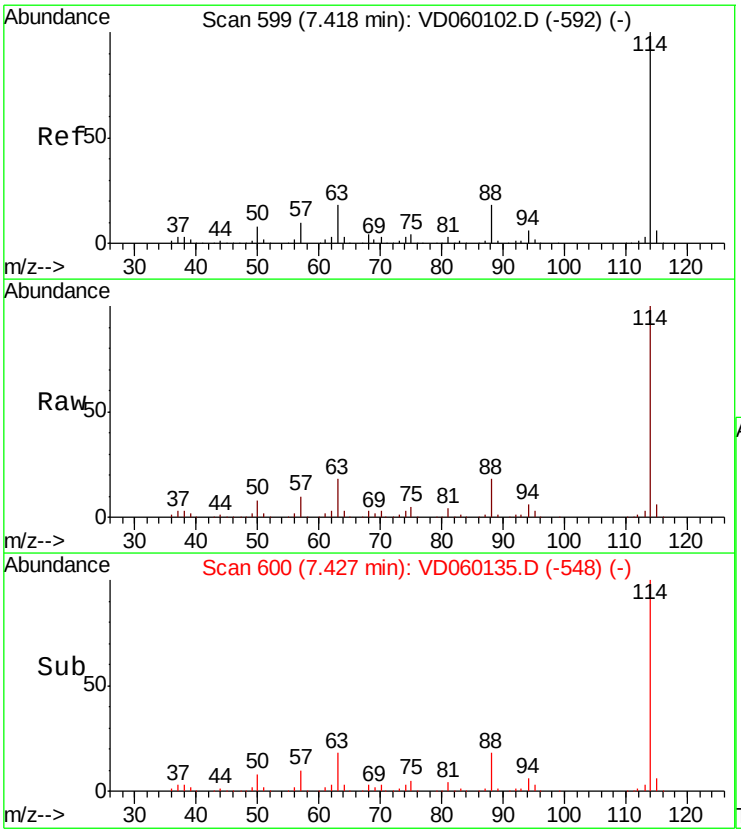

#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion: 65 Resp: 636095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 106.2 |

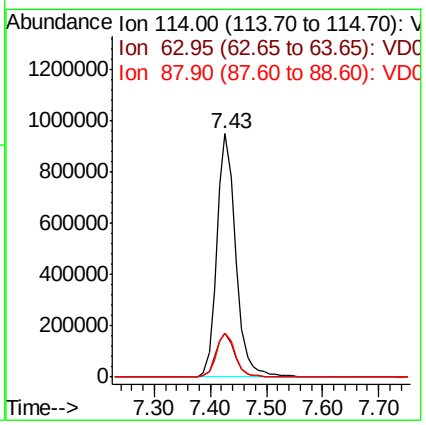


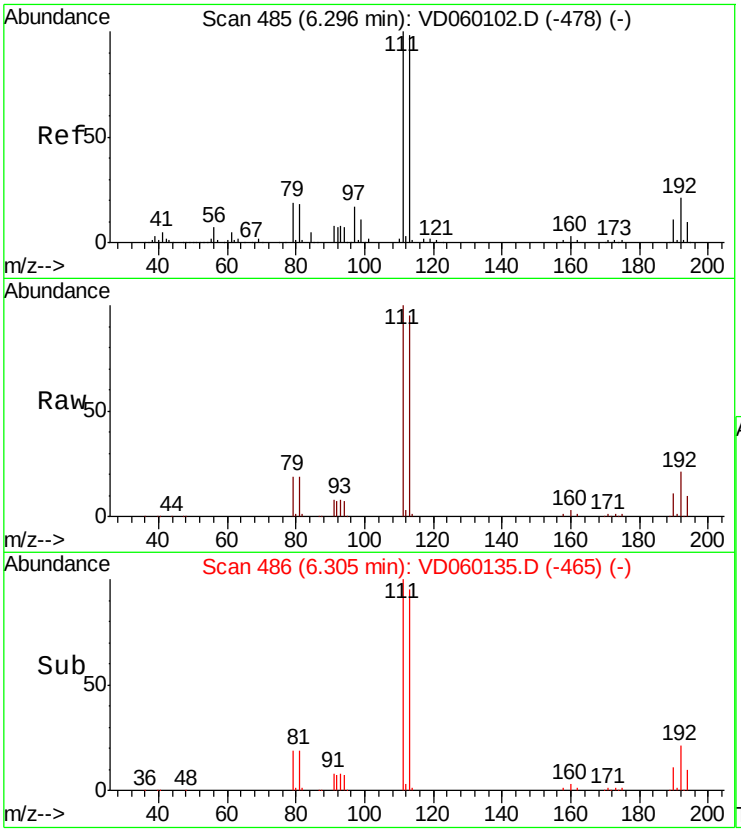




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 7.43 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion:114 Resp: 2242050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.2 | 0.0 | 36.0 |
| 88 | 18.1 | 0.0 | 36.2 |



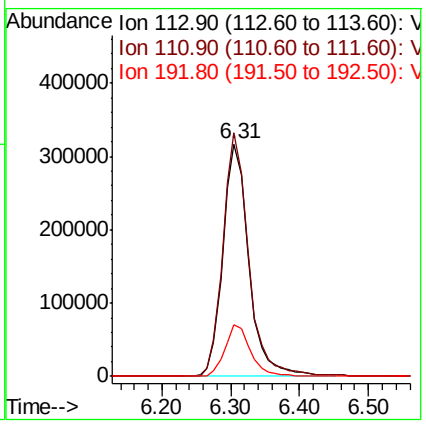


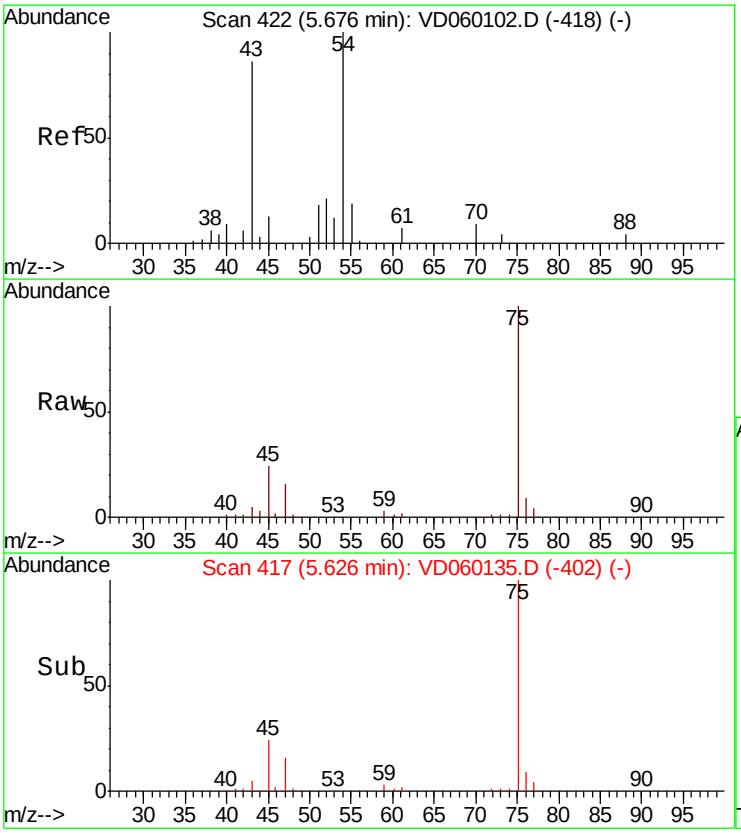

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :**
MSVOA_D
**ClientSampleId :**
VD1005SBL01

Tgt Ion:113 Resp: 830266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.8 | 81.5 | 122.3 |
| 192 | 22.4 | 17.4 | 26.0 |

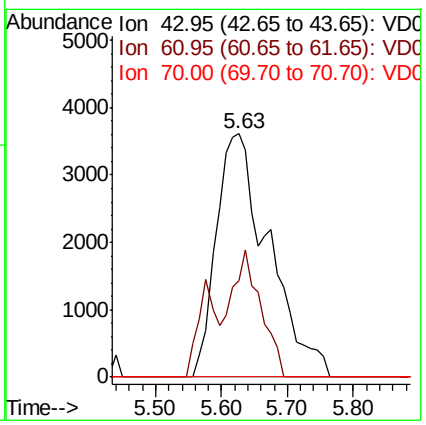


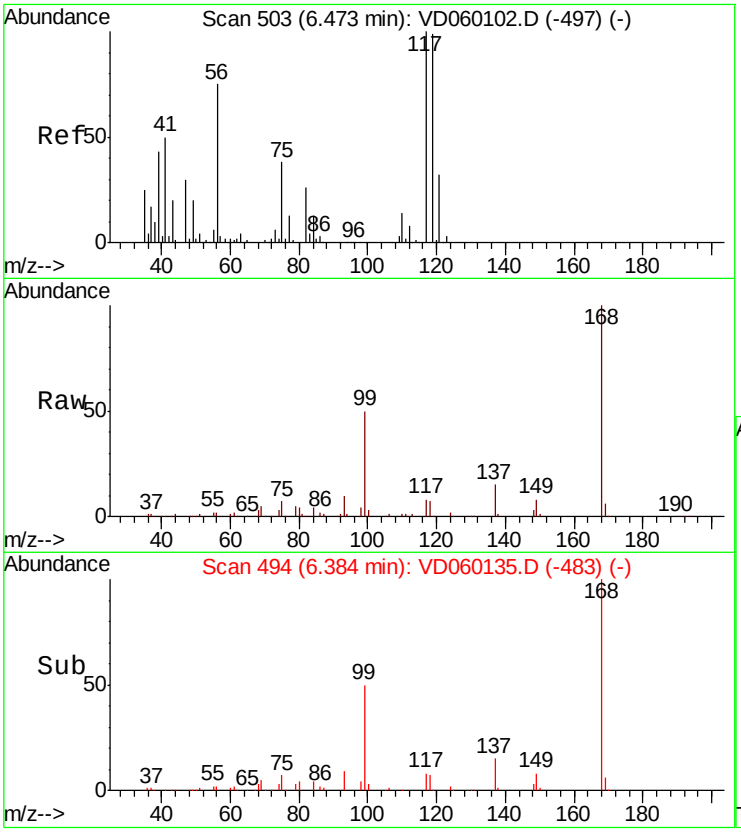




#37
Ethyl Acetate
Concen: 1.407 ug/l
RT: 5.63 min Scan# 417
Delta R.T. -0.05 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 43 Resp: 20013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 39.8 | 10.5 | 15.7# |
| 70 | 0.0 | 6.3 | 9.5# |



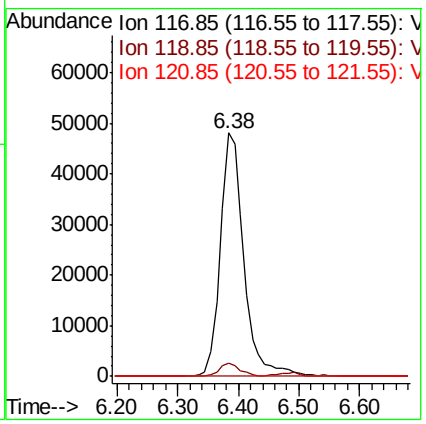


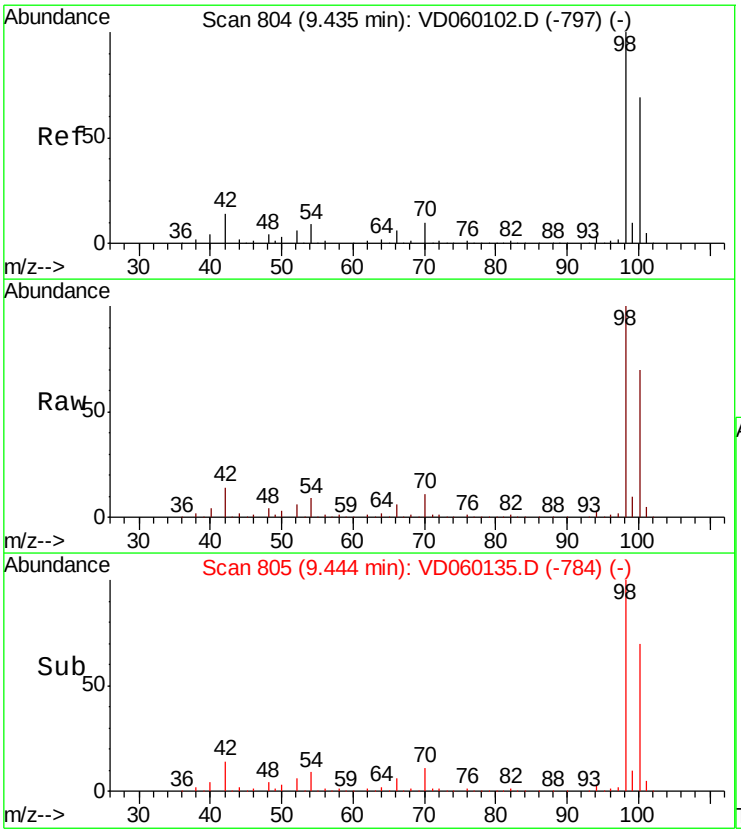

#38
Carbon Tetrachloride
Concen: 6.644 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.09 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion:117 Resp: 129199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.3 | 77.8 | 116.6# |
| 121 | 0.0 | 24.8 | 37.2# |

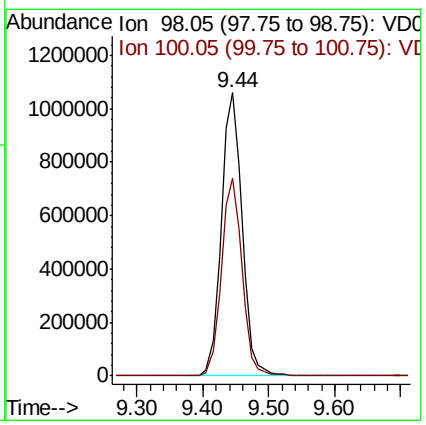


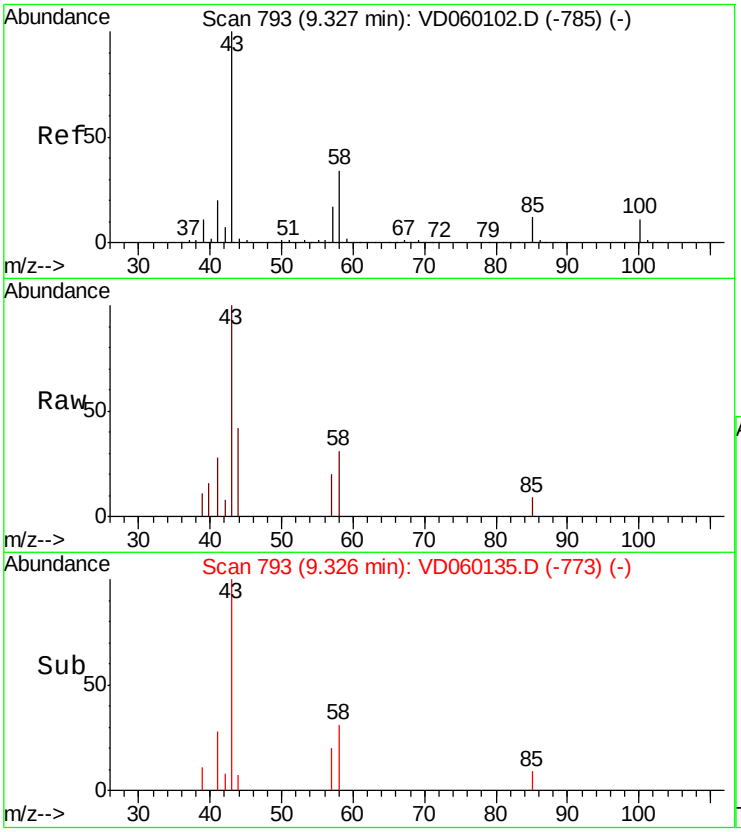




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 98 Resp: 2341337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.9 | 55.4 | 83.0 |



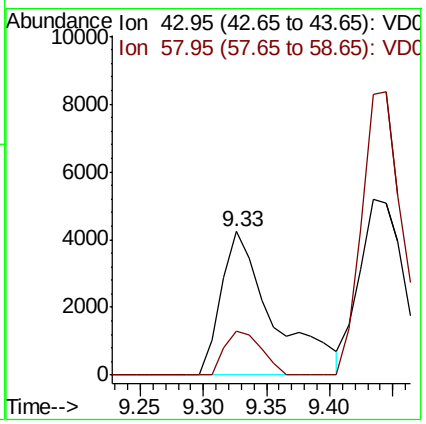


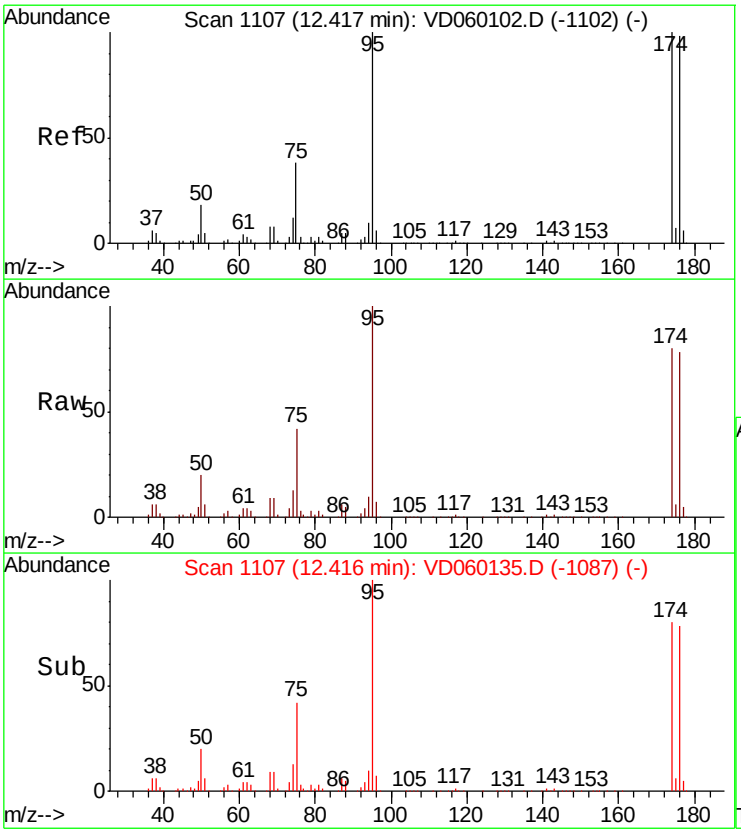

#51
4-Methyl-2-Pentanone
Concen: 1.021 ug/l
RT: 9.33 min Scan# 793
Delta R.T. -0.00 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion: 43 Resp: 12046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.8 | 27.2 | 40.8 |

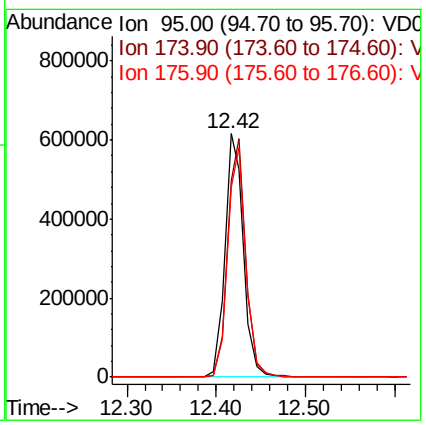


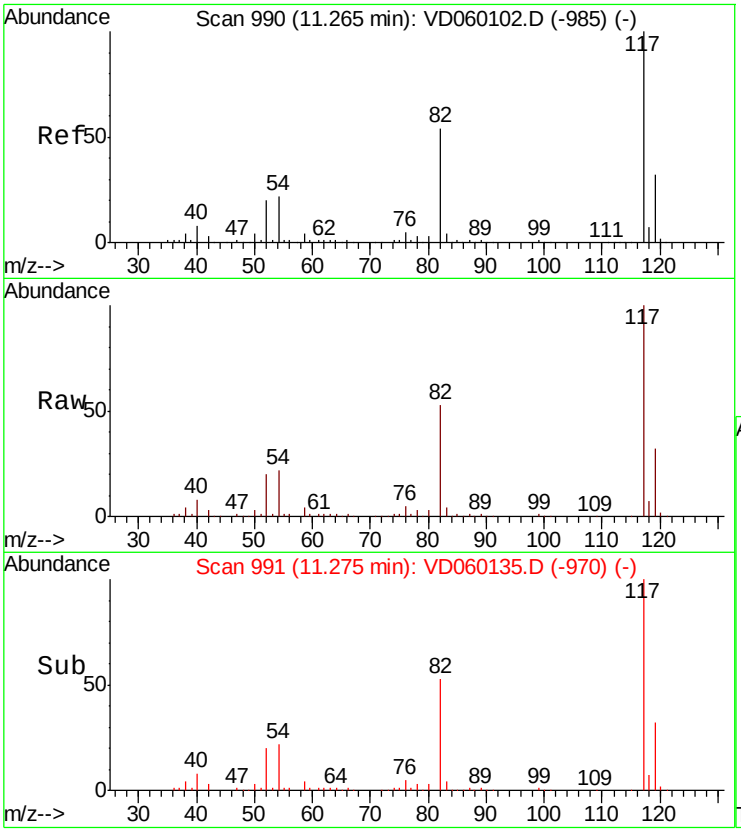




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 95 Resp: 900967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.4 | 0.0 | 200.2 |
| 176 | 77.8 | 0.0 | 195.6 |



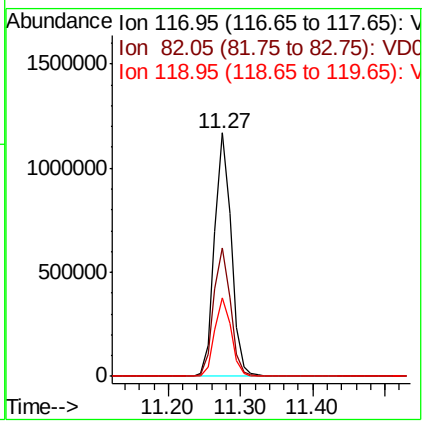


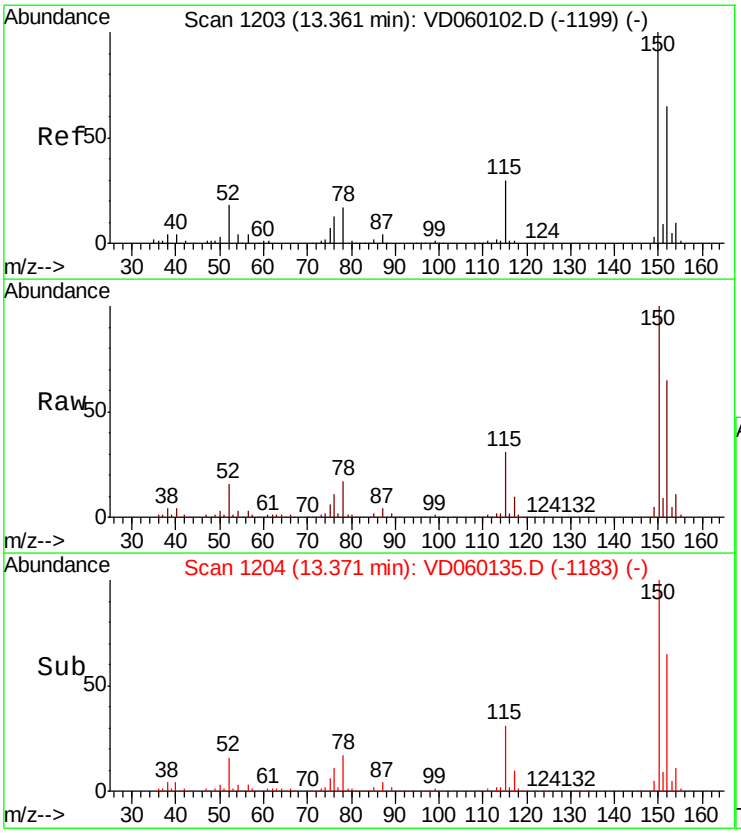

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion:117 Resp: 1845122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.9 | 43.4 | 65.2 |
| 119 | 32.3 | 26.0 | 39.0 |

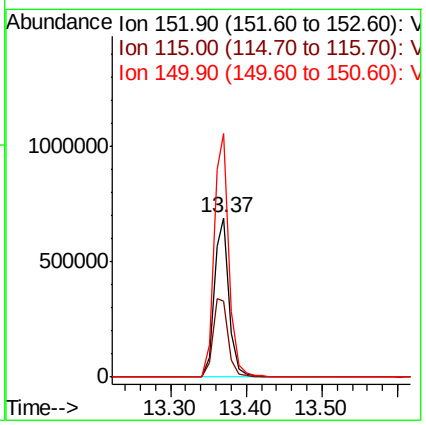


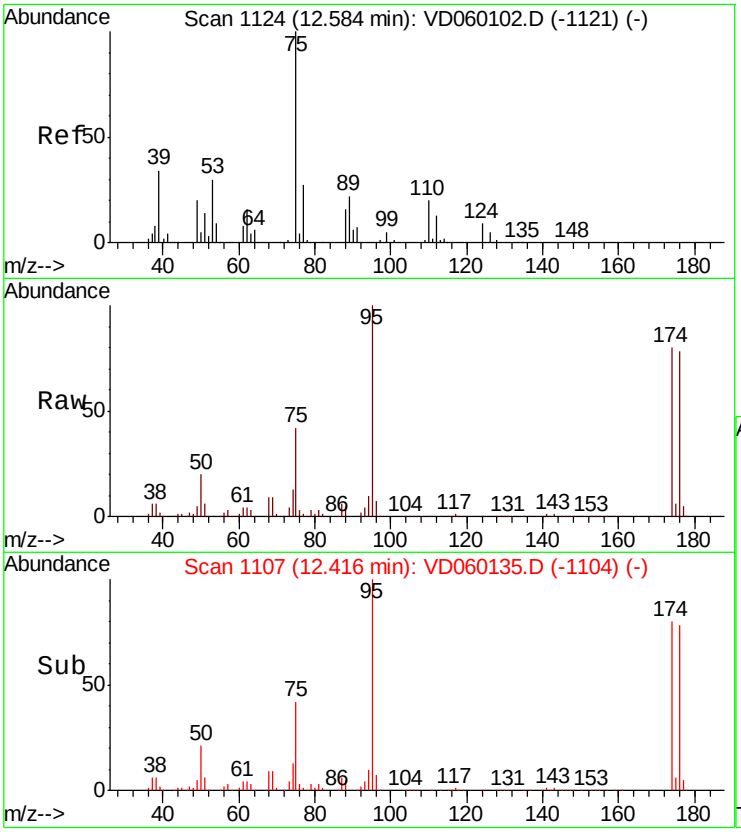




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion:152 Resp: 947079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 47.9 | 27.1 | 81.2 |
| 150 | 152.8 | 0.0 | 311.8 |



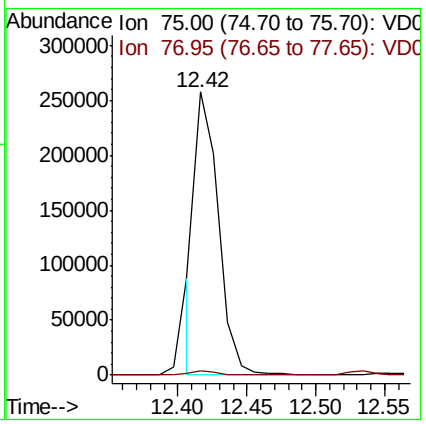


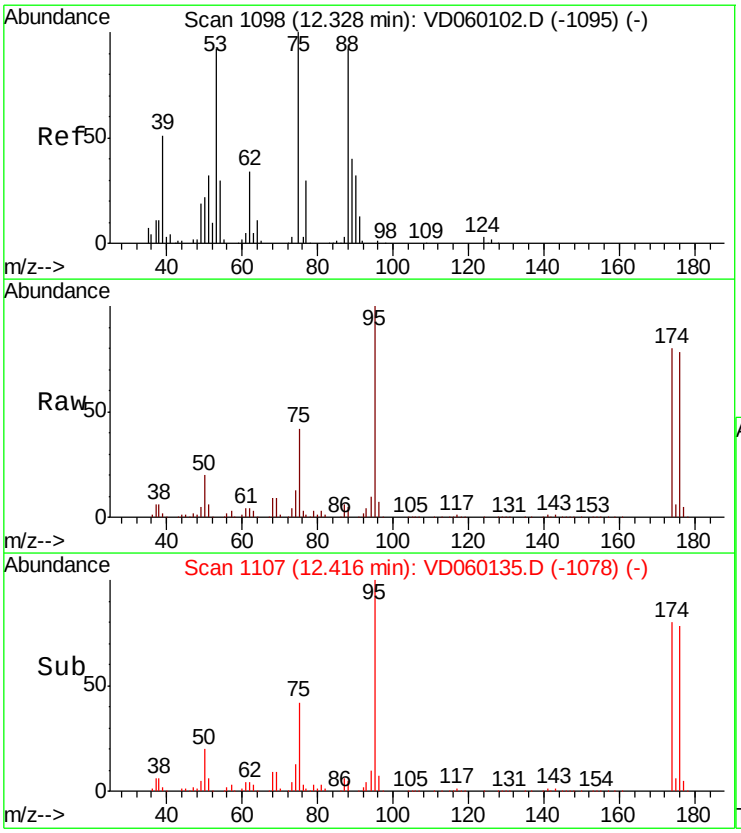

#76
1,2,3-Trichloropropane
Concen: 22.465 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.17 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

**Instrument :** MSVOA_D
**ClientSampleId :** VD1005SBL01

Tgt Ion: 75 Resp: 306405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.3 | 16.3 | 48.9# |




#81
trans-1,4-Dichloro-2-butene
Concen: 95.259 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.09 min
Lab File: VD060135.D
Acq: 5 Oct 2018 12:03

Tgt Ion: 75 Resp: 365071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 73.0 | 109.6# |
| 89 | 0.0 | 32.0 | 48.0# |