Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091820\
Data File : VD066761.D
Acq On : 18 Sep 2020 12:56
Operator : VA/SY
Sample : L3870-06
Misc : 5.21G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** SU-02-091720

Quant Time: Sep 19 03:14:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.98 | 168 | 76712 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.86 | 114 | 128793 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.64 | 117 | 145006 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152 | 62296 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.33 | 65 | 74071 | 90.50 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 181.00% | | | |
| 35) Dibromofluoromethane | 7.91 | 113 | 58246 | 73.76 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 147.52% | | | |
| 50) Toluene-d8 | 10.34 | 98 | 158887 | 56.48 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 112.96% | | | |
| 62) 4-Bromofluorobenzene | 12.63 | 95 | 57217 | 58.92 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 117.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.79 | 94 | 932 | 1.504 | ug/l | 83 |
| 16) Acetone | 4.16 | 43 | 20321 | 121.922 | ug/l # | 79 |
| 18) Methyl Acetate | 4.66 | 43 | 94 | Below Cal | # | 52 |
| 20) Methylene Chloride | 4.96 | 84 | 11375 | 6.255 | ug/l # | 79 |
| 25) 2-Butanone | 7.21 | 43 | 343 | 1.580 | ug/l # | 49 |
| 31) Cyclohexane | 7.98 | 56 | 2268 | 1.569 | ug/l # | 54 |
| 38) Carbon Tetrachloride | 7.98 | 117 | 8246 | 5.864 | ug/l # | 18 |
| 71) Bromoform | 12.63 | 173 | 704 | 1.266 | ug/l # | 29 |
| 76) 1,2,3-Trichloropropane | 12.63 | 75 | 31670 | 59.393 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.63 | 75 | 31670 | 128.180 | ug/l # | 8 |

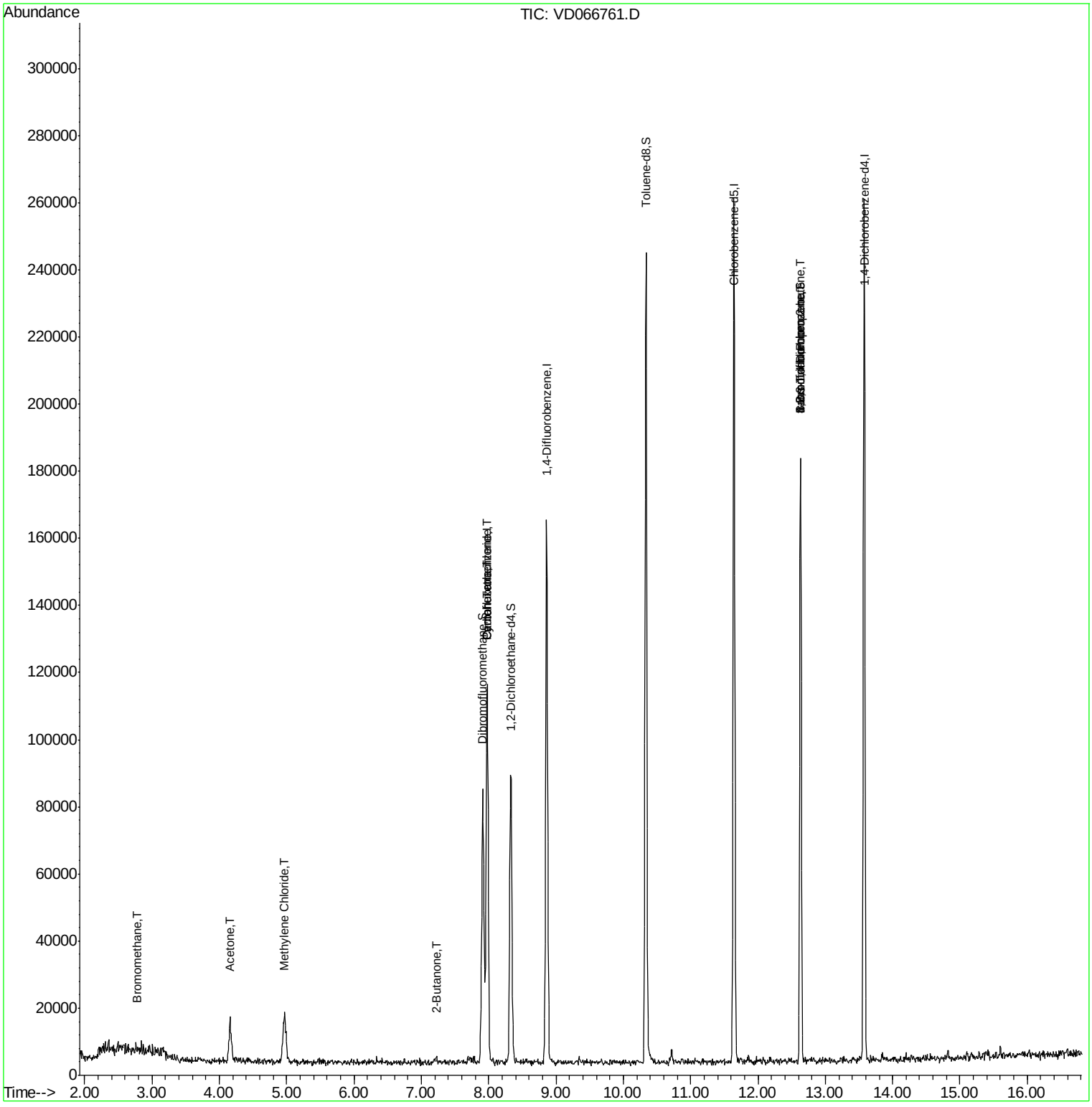
(#) = qualifier out of range (m) = manual integration (+) = signals summed

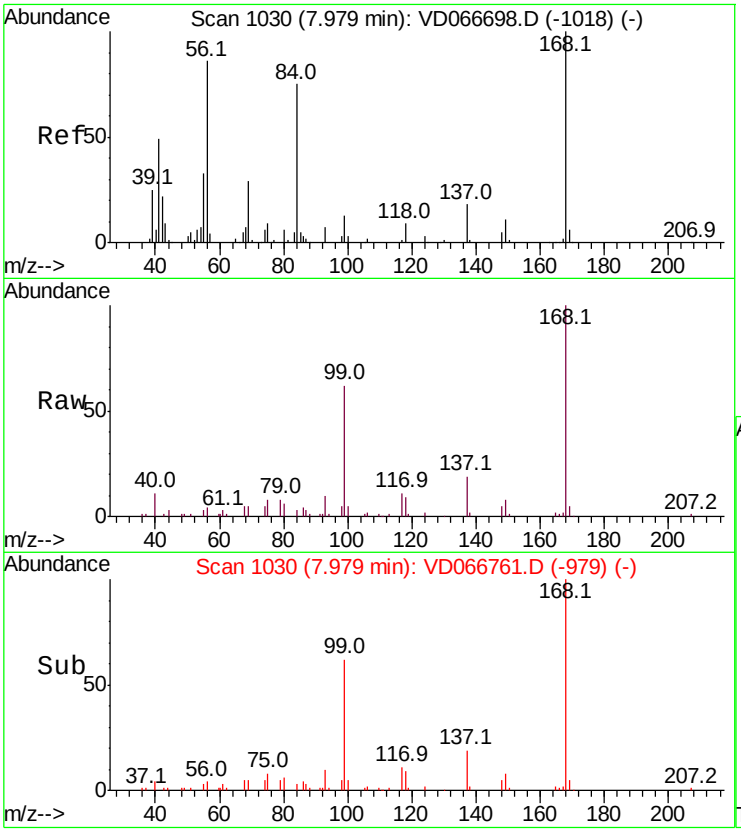
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
Data File : VD066761.D
Acq On : 18 Sep 2020 12:56
Operator : VA/SY
Sample : L3870-06
Misc : 5.21G/5.00ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
SU-02-091720

Quant Time: Sep 19 03:14:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 16:35:37 2020
Response via : Initial Calibration



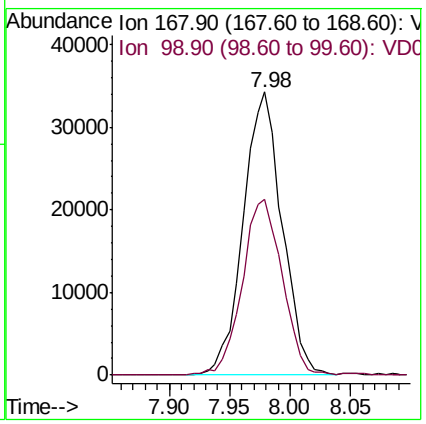


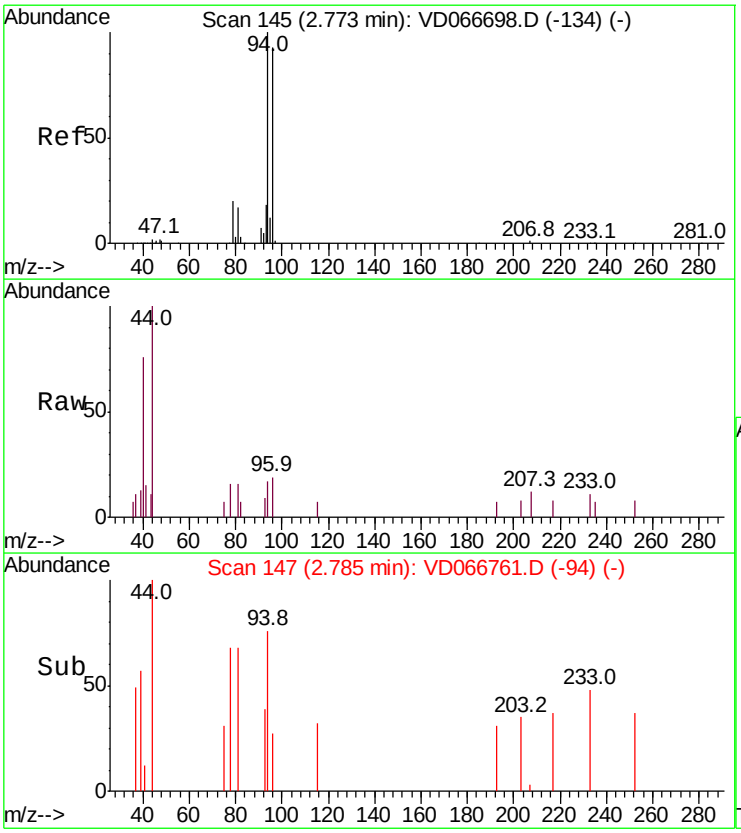

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :** MSVOA_D
**ClientSampleId :** SU-02-091720

Tgt Ion:168 Resp: 76712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 54.4 | 81.6 |

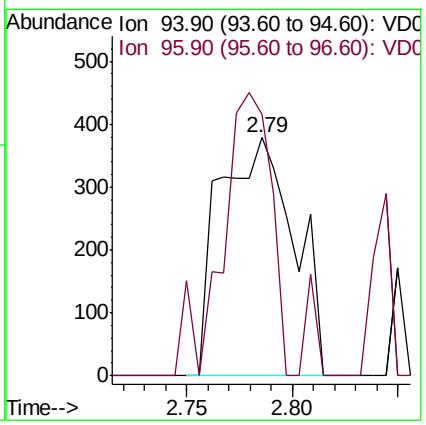


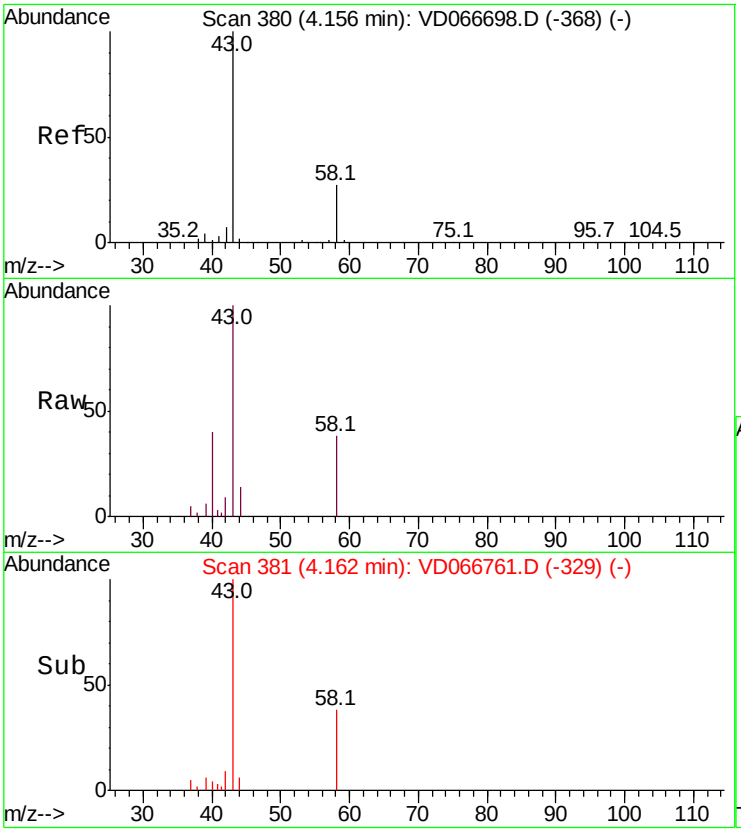




#5
Bromomethane
Concen: 1.504 ug/l
RT: 2.79 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 94 Resp: 932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 109.8 | 74.7 | 112.1 |



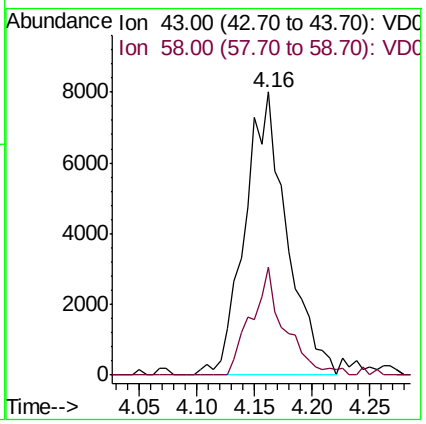


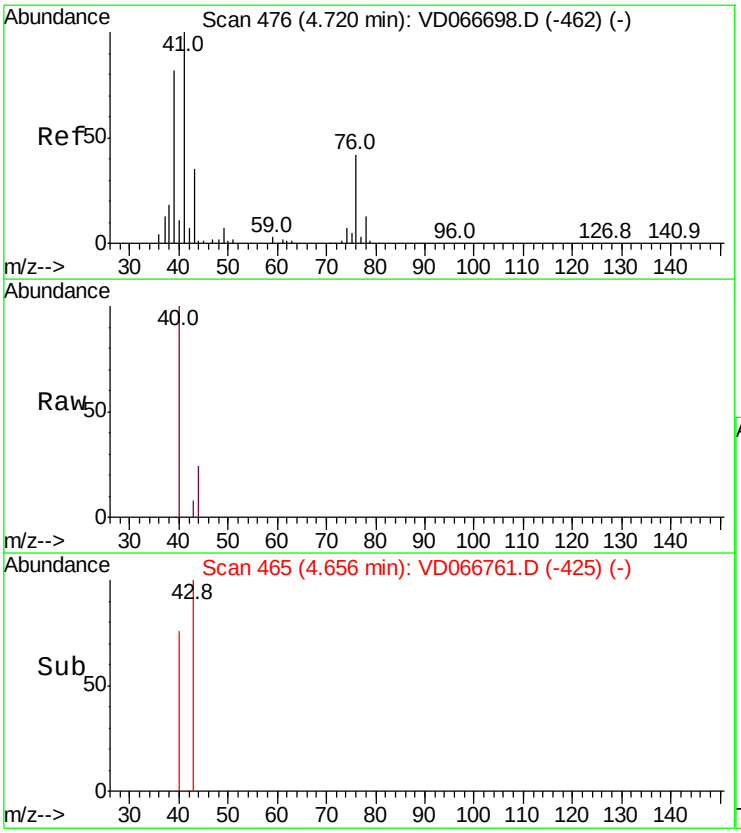

#16
Acetone
Concen: 121.922 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :** MSVOA_D
**ClientSampleId :** SU-02-091720

Tgt Ion: 43 Resp: 20321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.1 | 21.9 | 32.9# |

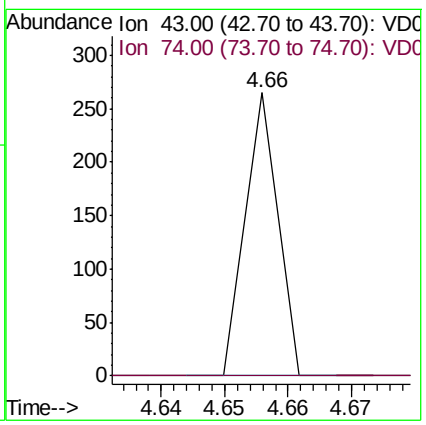


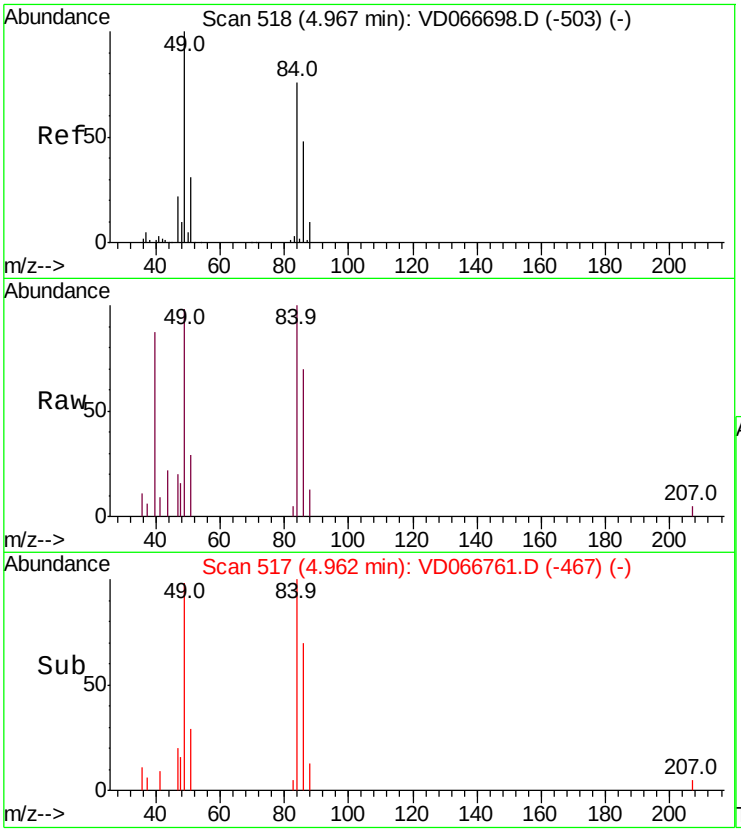




#18
Methyl Acetate
Concen: Below Cal
RT: 4.66 min Scan# 465
Delta R.T. -0.06 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 43 Resp: 94

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 18.6 | 28.0# |



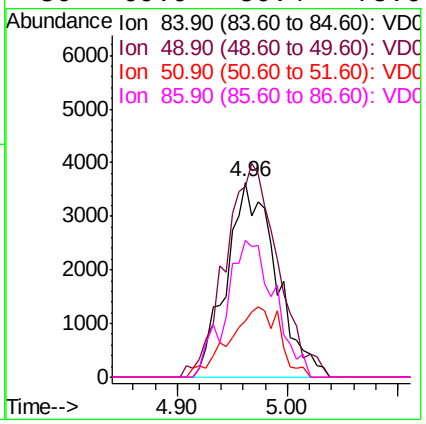


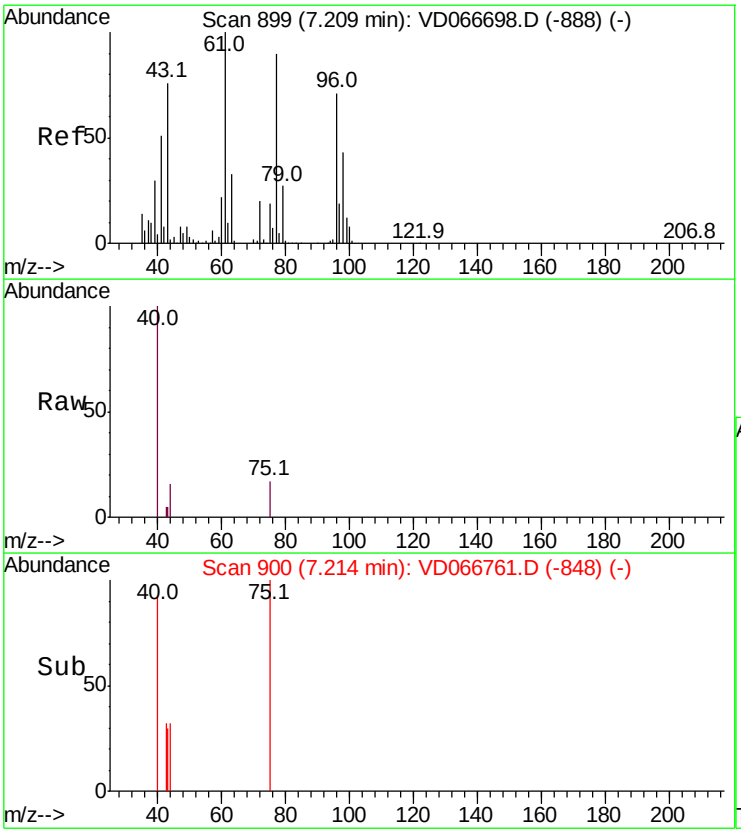

#20
Methylene Chloride
Concen: 6.255 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :** MSVOA_D
**ClientSampleId :** SU-02-091720

Tgt Ion: 84 Resp: 11375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 98.1 | 105.0 | 157.6# |
| 51 | 28.8 | 32.2 | 48.4# |
| 86 | 69.9 | 50.4 | 75.6 |

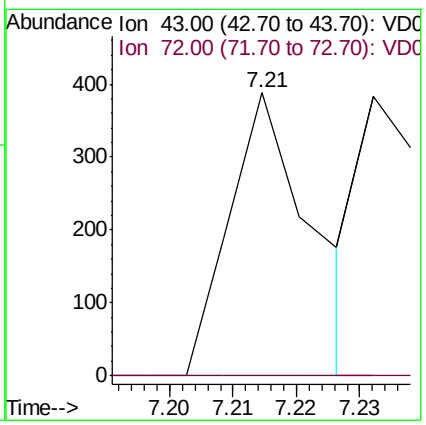


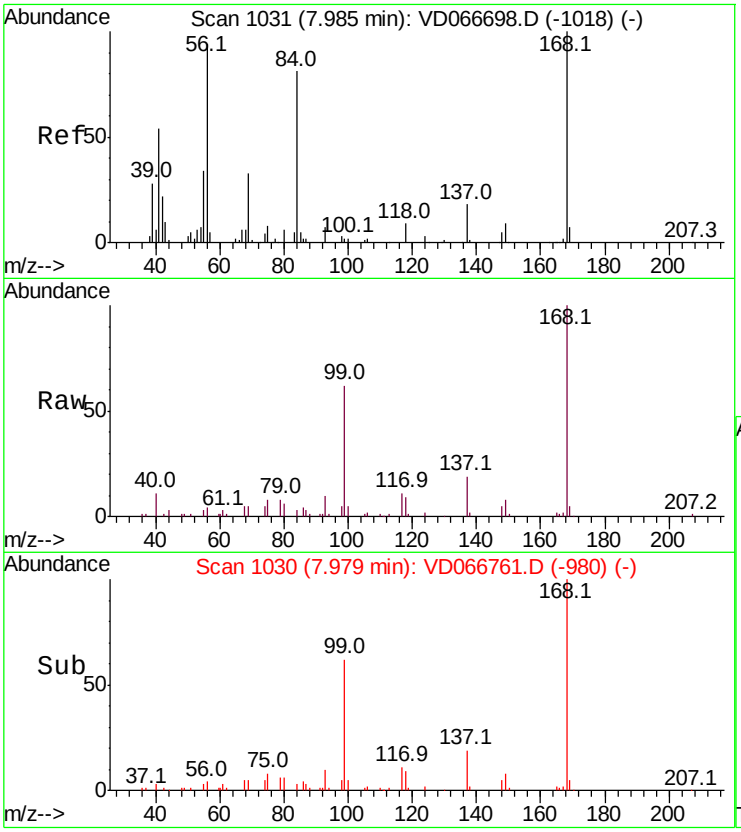




#25
2-Butanone
Concen: 1.580 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 43 Resp: 343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 21.0 | 31.4# |



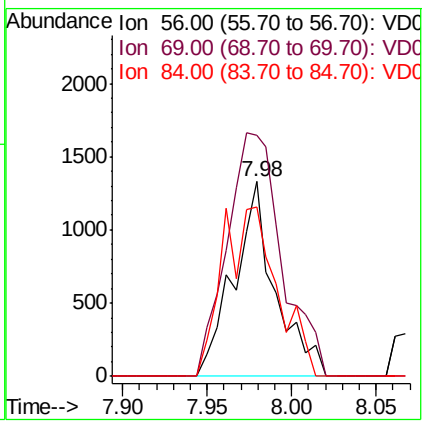


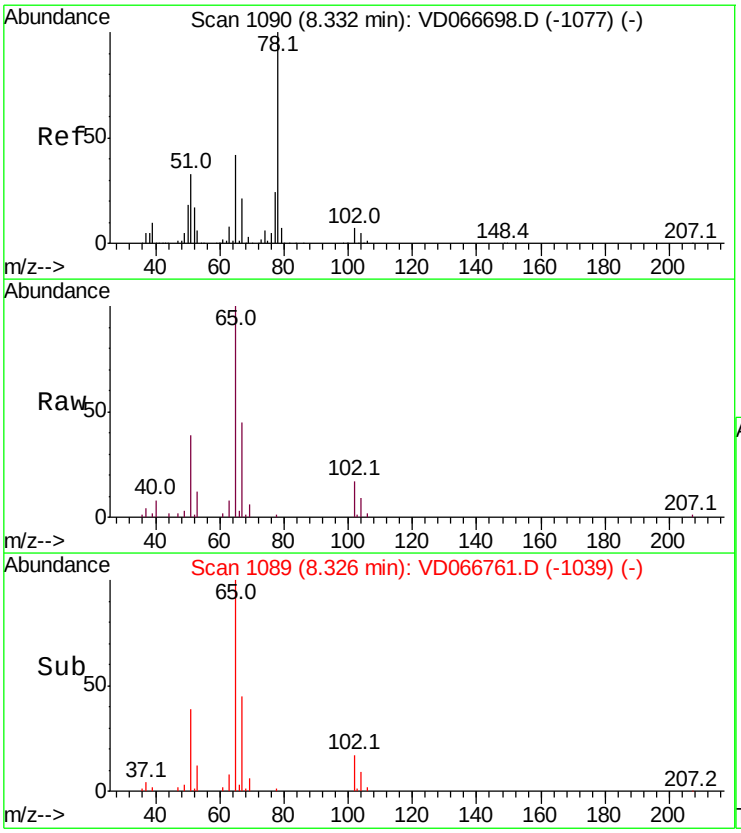

#31
Cyclohexane
Concen: 1.569 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :** MSVOA_D
**ClientSampleId :** SU-02-091720

Tgt Ion: 56 Resp: 2268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 123.9 | 27.7 | 41.5# |
| 84 | 87.1 | 68.5 | 102.7 |

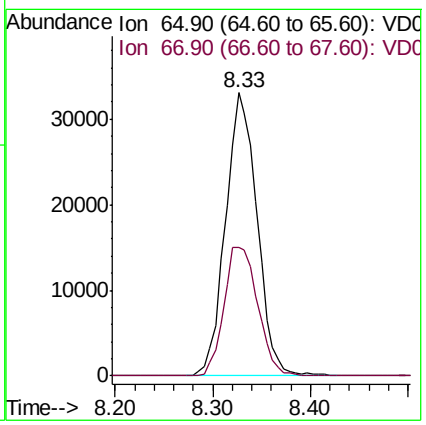


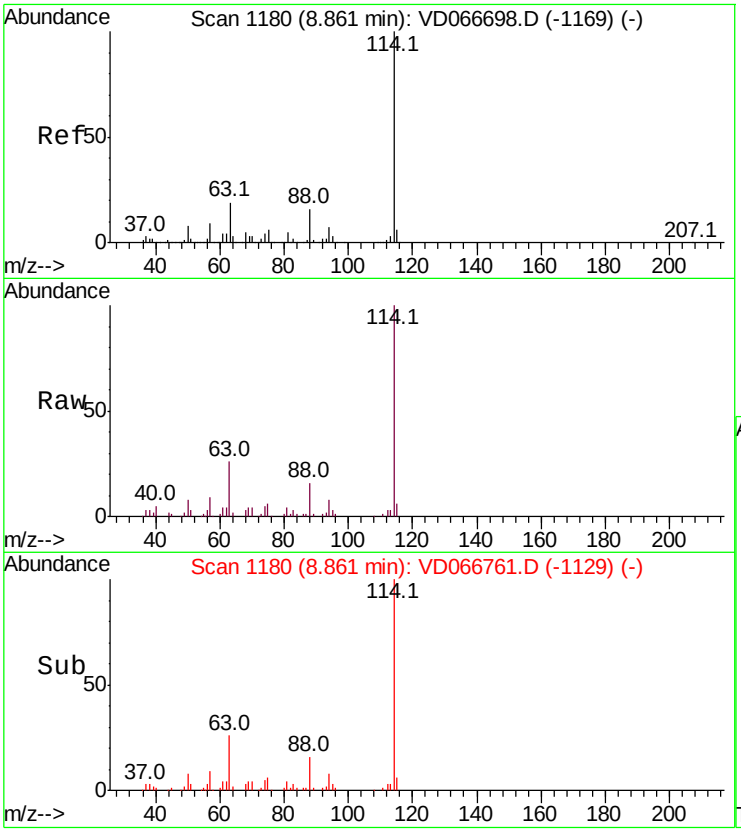




#33
1,2-Dichloroethane-d4
Concen: 90.499 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 65 Resp: 74071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 48.9 | 0.0 | 102.2 |



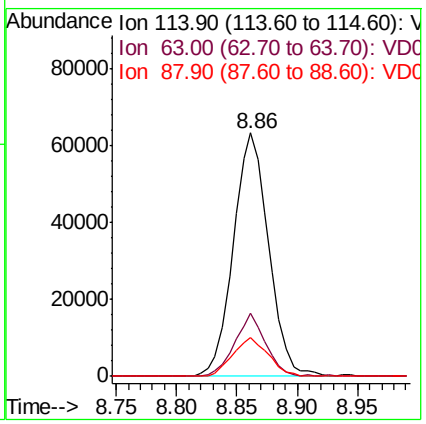


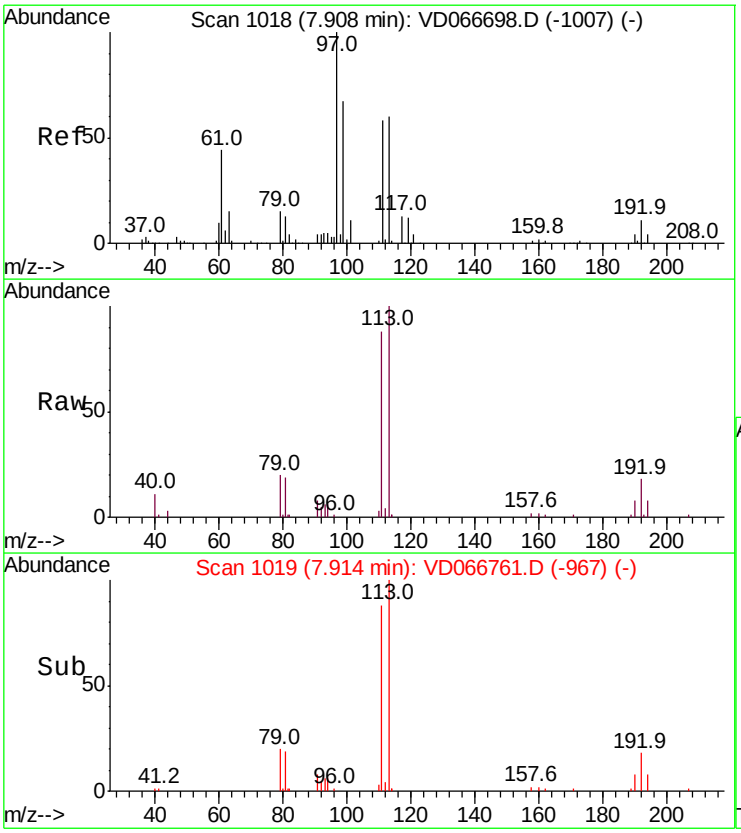

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :**
MSVOA_D
**ClientSampleId :**
SU-02-091720

Tgt Ion:114 Resp: 128793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 25.8 | 0.0 | 37.6 |
| 88 | 16.1 | 0.0 | 32.2 |

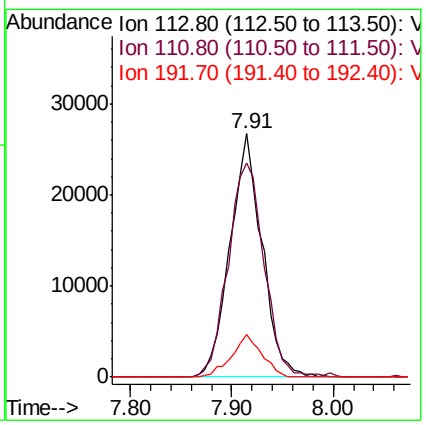


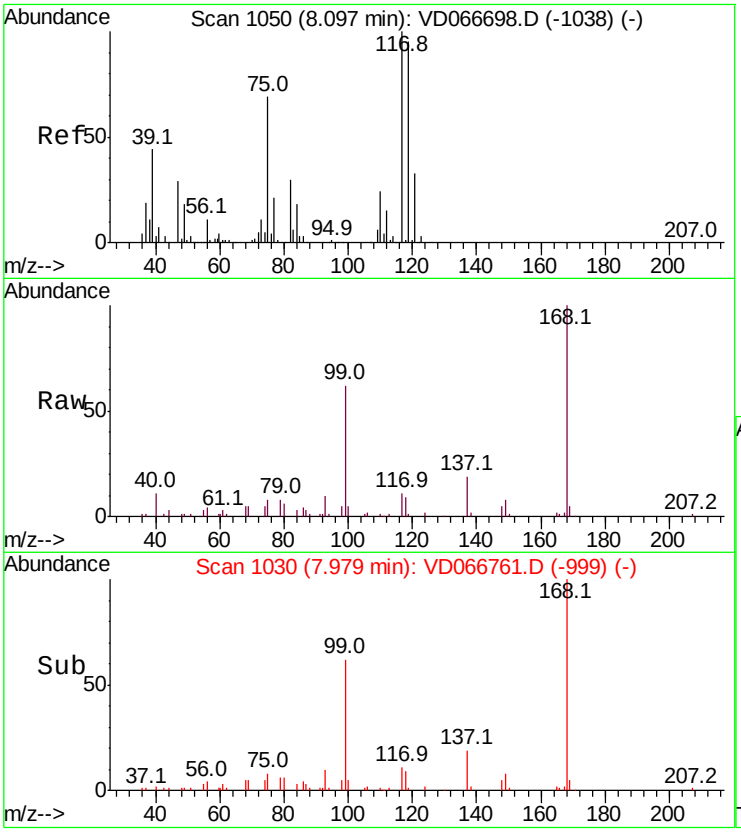




#35
Dibromofluoromethane
Concen: 73.764 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion:113 Resp: 58246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.1 | 83.2 | 124.8 |
| 192 | 16.6 | 14.8 | 22.2 |



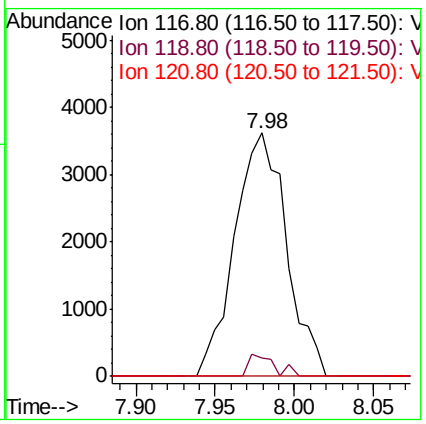


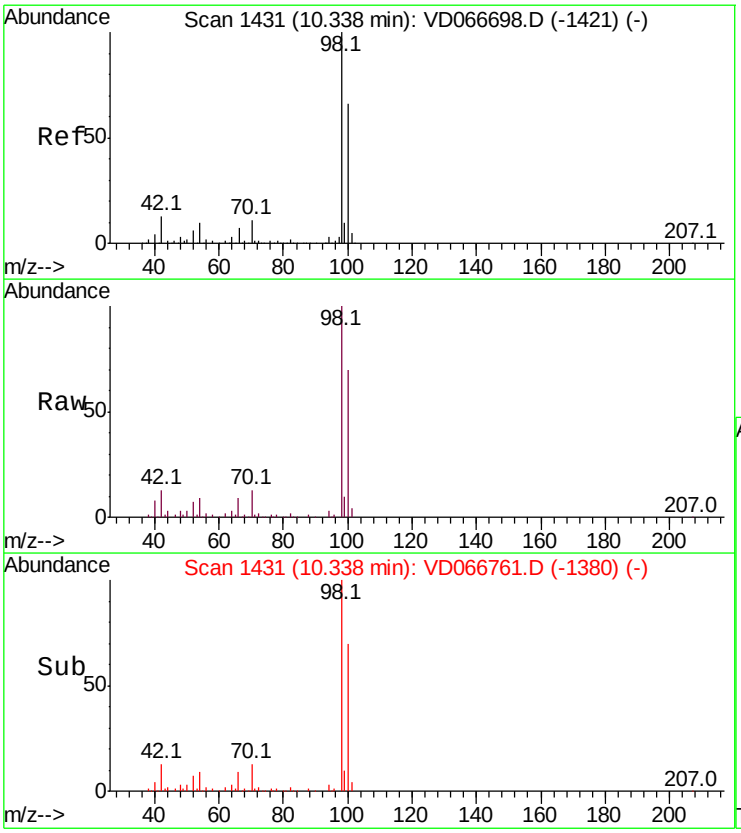

#38
Carbon Tetrachloride
Concen: 5.864 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :**
MSVOA_D
**ClientSampleId :**
SU-02-091720

Tgt Ion:117 Resp: 8246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 7.5 | 75.8 | 113.6# |
| 121 | 0.0 | 26.2 | 39.4# |

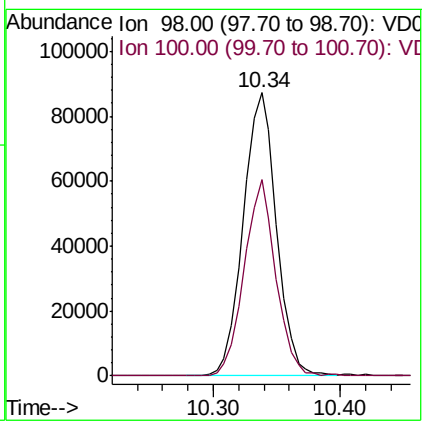


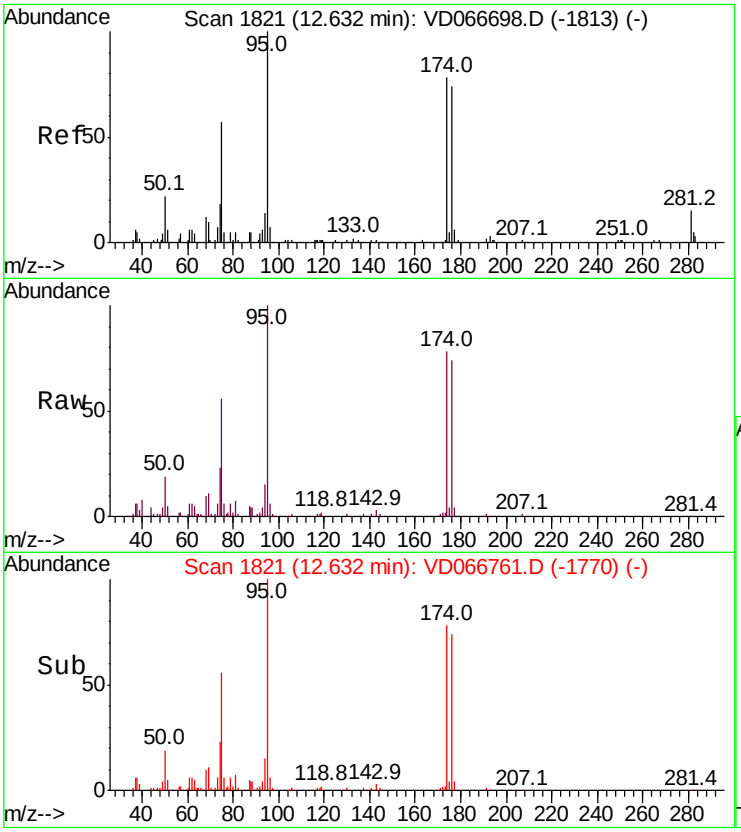




#50
Toluene-d8
Concen: 56.478 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 98 Resp: 158887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 52.7 | 79.1 |



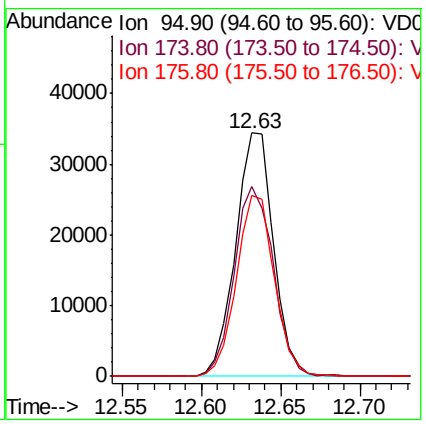


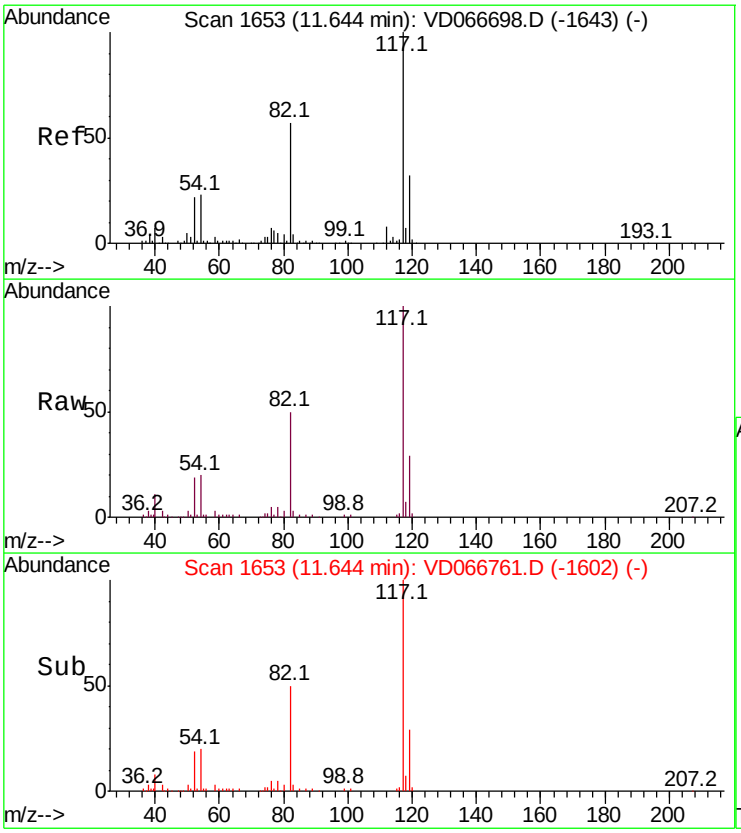

#62
4-Bromofluorobenzene
Concen: 58.920 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :** MSVOA_D
**ClientSampleId :** SU-02-091720

Tgt Ion: 95 Resp: 57217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.1 | 0.0 | 156.6 |
| 176 | 74.4 | 0.0 | 150.2 |

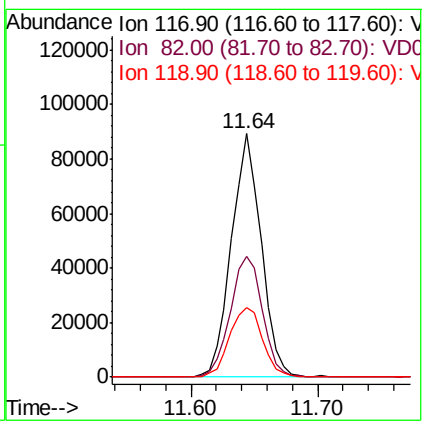


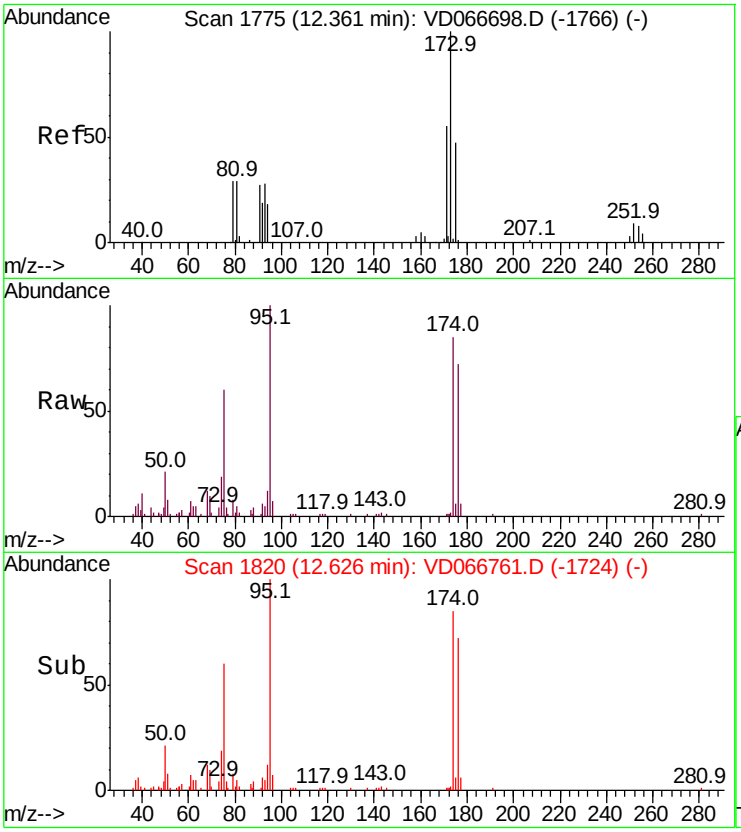




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion:117 Resp: 145006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 49.5 | 45.4 | 68.0 |
| 119 | 28.7 | 25.8 | 38.6 |



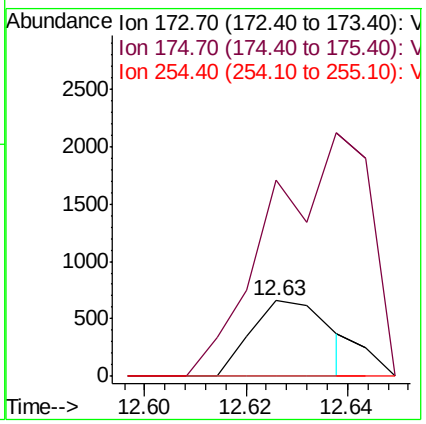


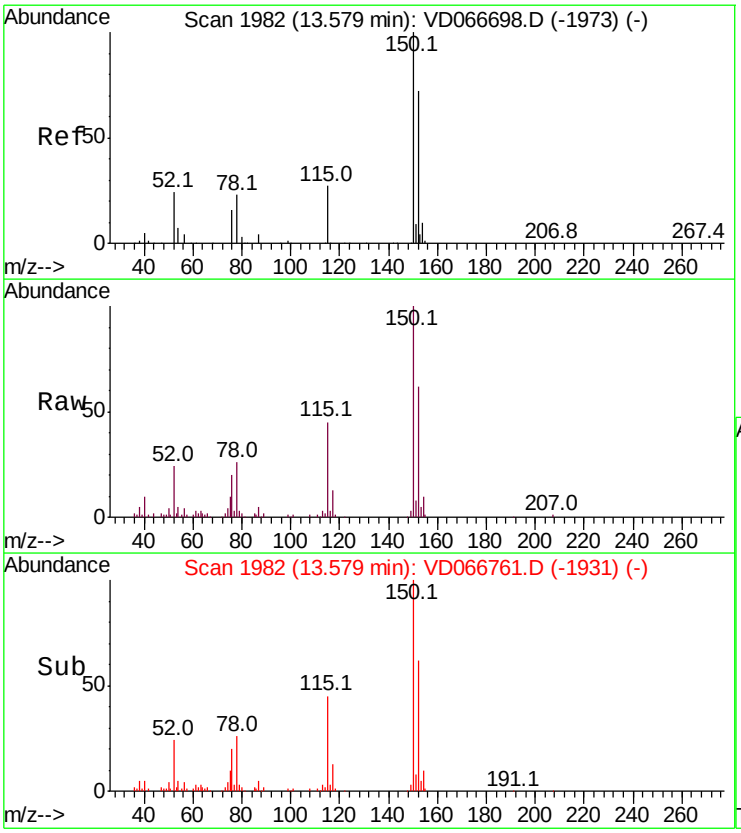

#71
Bromoform
Concen: 1.266 ug/l
RT: 12.63 min Scan# 1820
Delta R.T. 0.26 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :**
MSVOA_D
**ClientSampleId :**
SU-02-091720

Tgt Ion:173 Resp: 704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 0.0 | 24.3 | 72.8# |
| 254 | 0.0 | 0.1 | 0.1# |

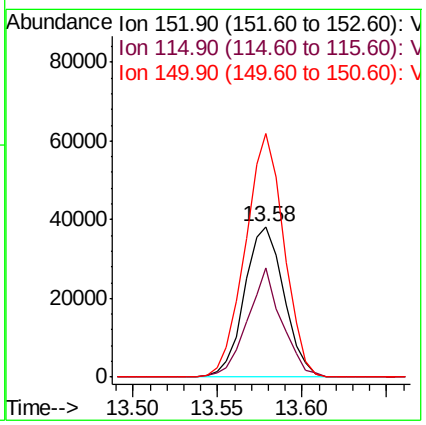


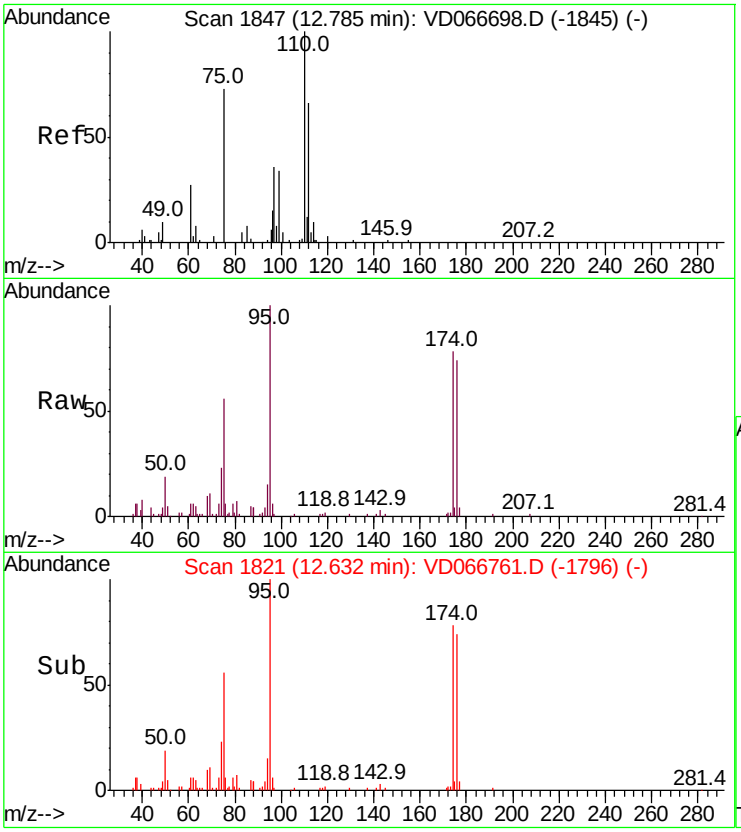




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion:152 Resp: 62296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.3 | 30.5 | 91.5 |
| 150 | 158.7 | 0.0 | 344.6 |



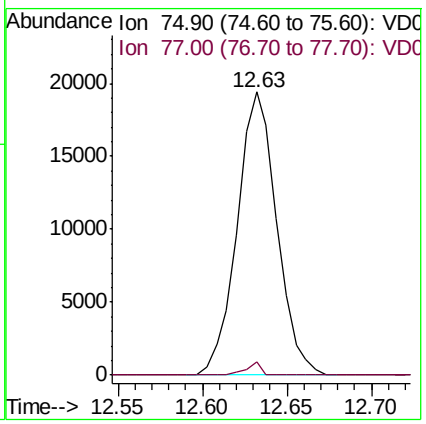


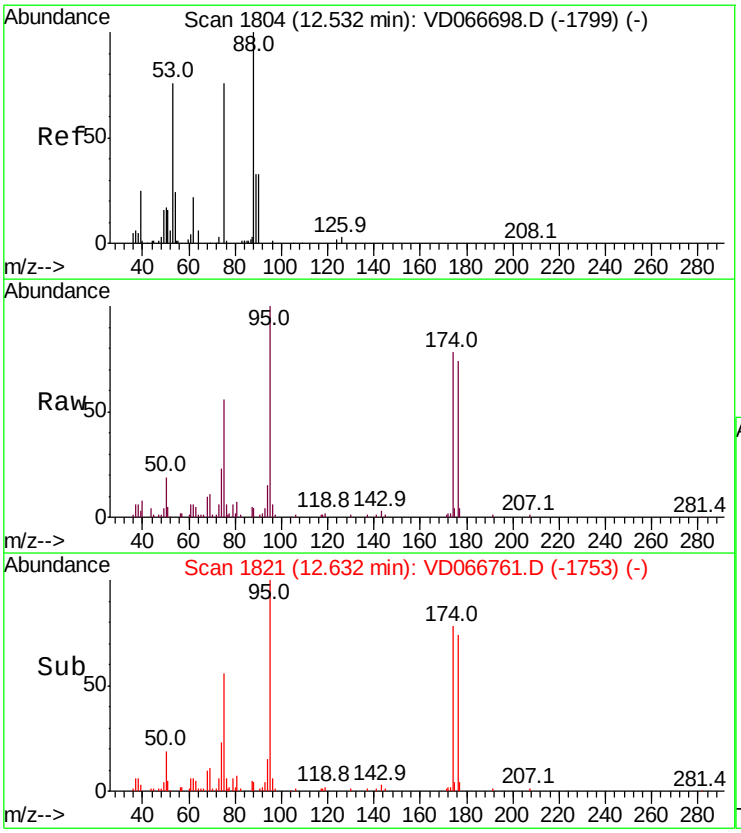

#76
1,2,3-Trichloropropane
Concen: 59.393 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

**Instrument :**
MSVOA_D
**ClientSampleId :**
SU-02-091720

Tgt Ion: 75 Resp: 31670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.6 | 0.0 | 0.0# |




#81
trans-1,4-Dichloro-2-butene
Concen: 128.180 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD066761.D
Acq: 18 Sep 2020 12:56

Tgt Ion: 75 Resp: 31670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.2 | 82.2 | 123.4# |
| 89 | 0.0 | 39.6 | 59.4# |