Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
Data File : VD062382.D
Acq On : 15 May 2019 9:04
Operator : FY/SY
Sample : K2801-07
Misc : 4.90g/5mL/MSVOA_D/SOIL
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Quant Time: May 15 09:54:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.07 | 168 | 68787 | 50.00 | ug/l | 0.04 |
| 34) 1,4-Difluorobenzene | 8.23 | 114 | 111335 | 50.00 | ug/l | 0.03 |
| 63) Chlorobenzene-d5 | 12.38 | 117 | 95140 | 50.00 | ug/l | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 14.53 | 152 | 49466 | 50.00 | ug/l | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.47 | 65 | 68969 | 107.89 | ug/l | 0.04 |
| Spiked Amount 50.000 | | | Recovery = 215.78% | | | |
| 35) Dibromofluoromethane | 6.95 | 113 | 56131 | 60.76 | ug/l | 0.05 |
| Spiked Amount 50.000 | | | Recovery = 121.52% | | | |
| 50) Toluene-d8 | 10.42 | 98 | 84323 | 37.86 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 75.72% | | | |
| 62) 4-Bromofluorobenzene | 13.56 | 95 | 42999 | 48.08 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 96.16% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.15 | 94 | 1471 | 13.437 | ug/l # | 12 |
| 11) Tert butyl alcohol | 4.03 | 59 | 7521 | 230.493 | ug/l # | 76 |
| 20) Methylene Chloride | 3.85 | 84 | 4535 | 8.102 | ug/l # | 78 |
| 25) 2-Butanone | 6.17 | 43 | 2729 | 18.663 | ug/l # | 56 |
| 26) 2,2-Dichloropropane | 6.16 | 77 | 1884 | 1.932 | ug/l # | 51 |
| 29) Tetrahydrofuran | 6.49 | 42 | 193 | 2.865 | ug/l # | 30 |
| 31) Cyclohexane | 7.06 | 56 | 1076 | 1.604 | ug/l # | 1 |
| 36) 1,1-Dichloropropene | 7.06 | 75 | 6213 | 6.806 | ug/l # | 40 |
| 37) Ethyl Acetate | 6.17 | 43 | 2729 | 7.049 | ug/l # | 17 |
| 38) Carbon Tetrachloride | 7.07 | 117 | 7558 | 5.982 | ug/l # | 12 |
| 51) 4-Methyl-2-Pentanone | 10.42 | 43 | 445 | 1.261 | ug/l # | 33 |
| 76) 1,2,3-Trichloropropane | 13.56 | 75 | 20280 | 34.498 | ug/l # | 46 |
| 81) trans-1,4-Dichloro-2-buten | 13.56 | 75 | 20882 | 125.828 | ug/l # | 16 |

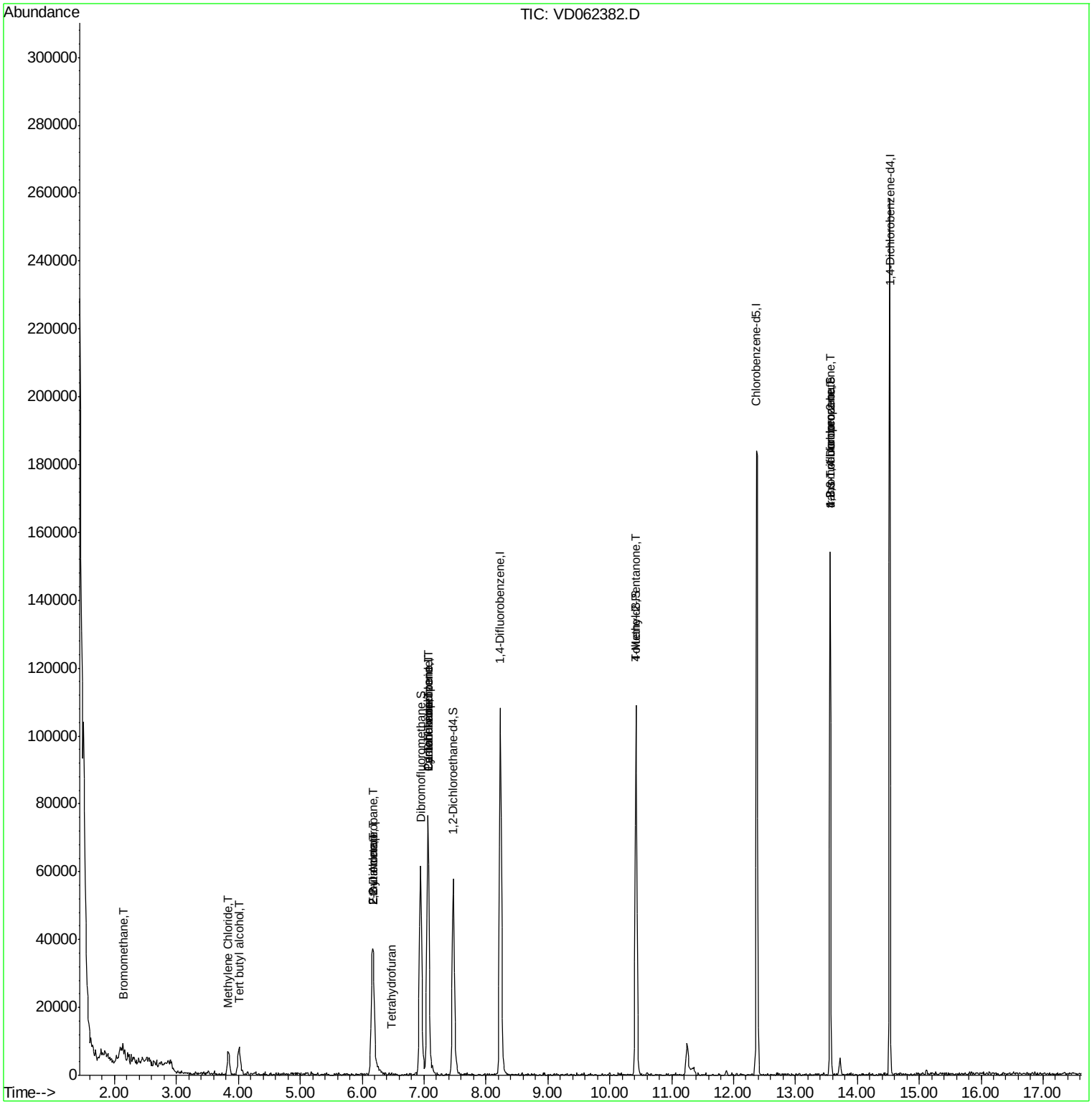
(#) = qualifier out of range (m) = manual integration (+) = signals summed

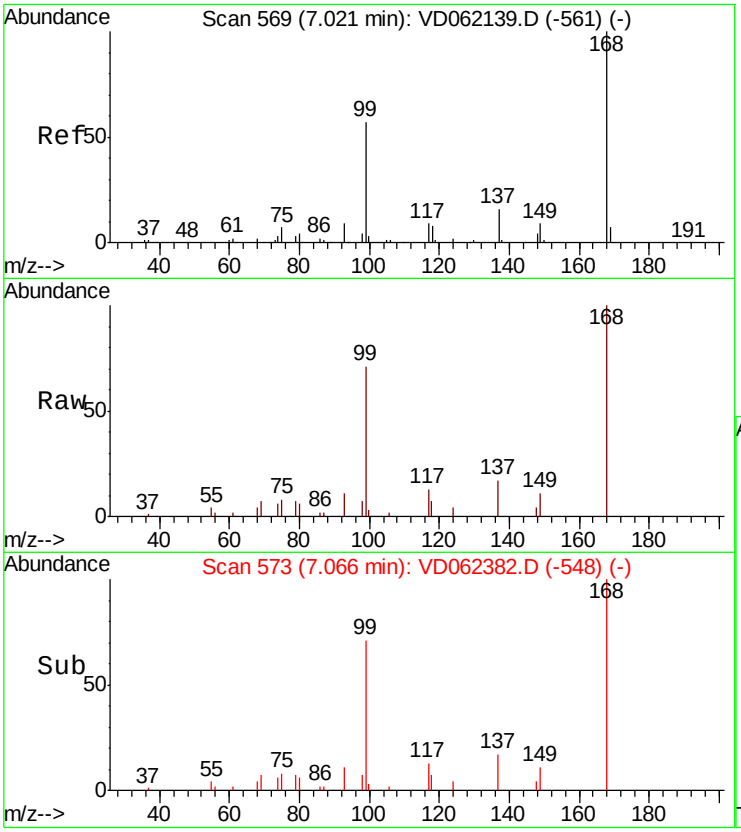
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
Data File : VD062382.D
Acq On : 15 May 2019 9:04
Operator : FY/SY
Sample : K2801-07
Misc : 4.90g/5mL/MSVOA_D/SOIL
ALS Vial : 48 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Quant Time: May 15 09:54:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration



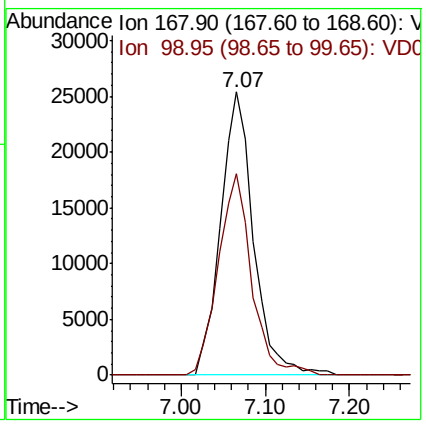


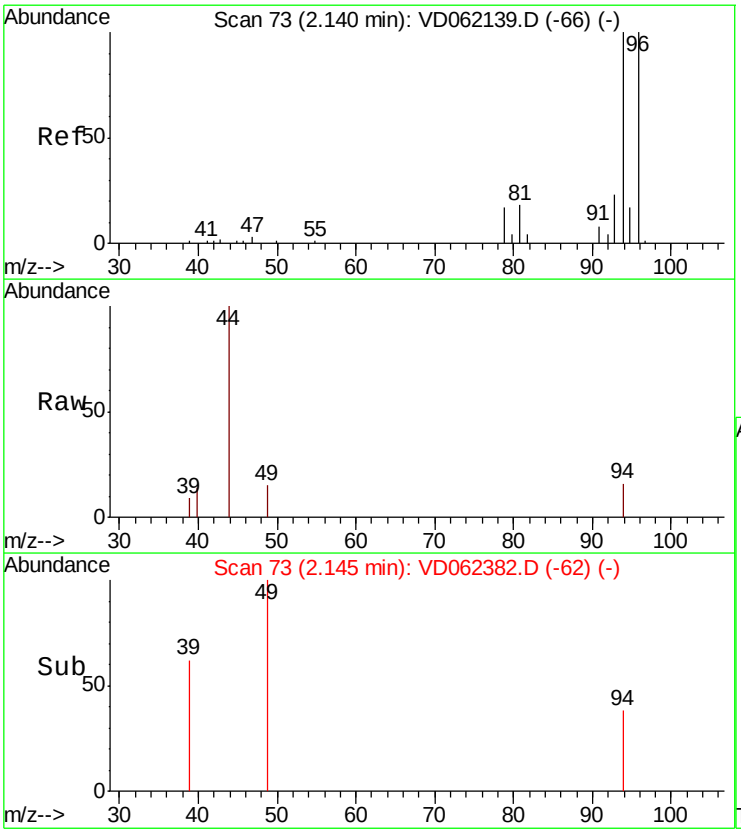

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion:168 Resp: 68787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.1 | 46.5 | 69.7# |

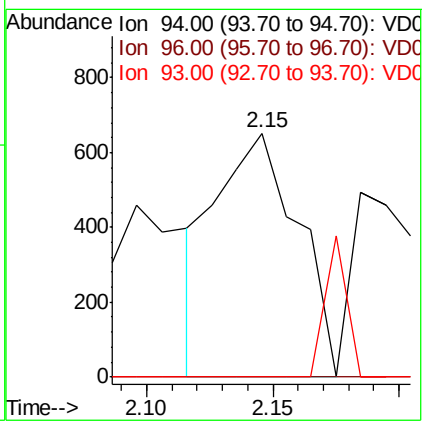


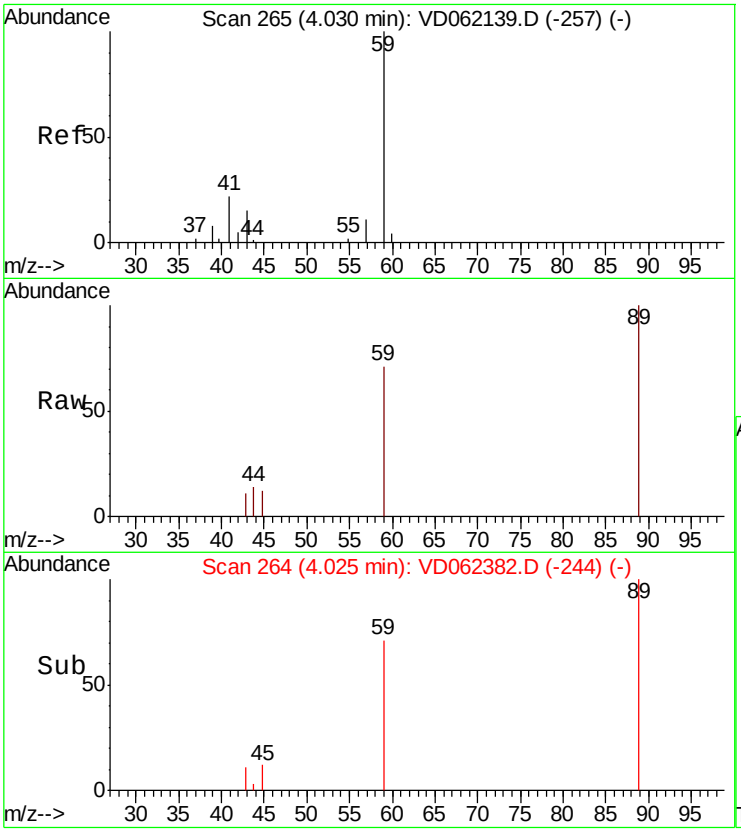




#5
Bromomethane
Concen: 13.437 ug/l
RT: 2.15 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 94 Resp: 1471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 76.6 | 115.0# |
| 93 | 0.0 | 18.5 | 27.7# |



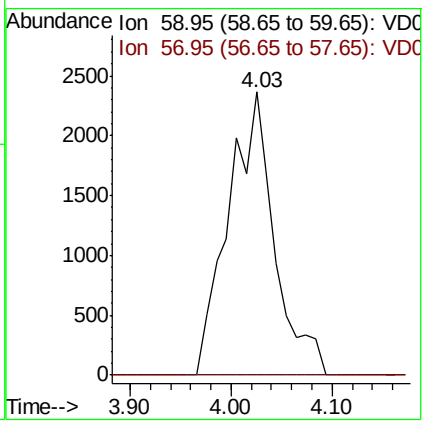


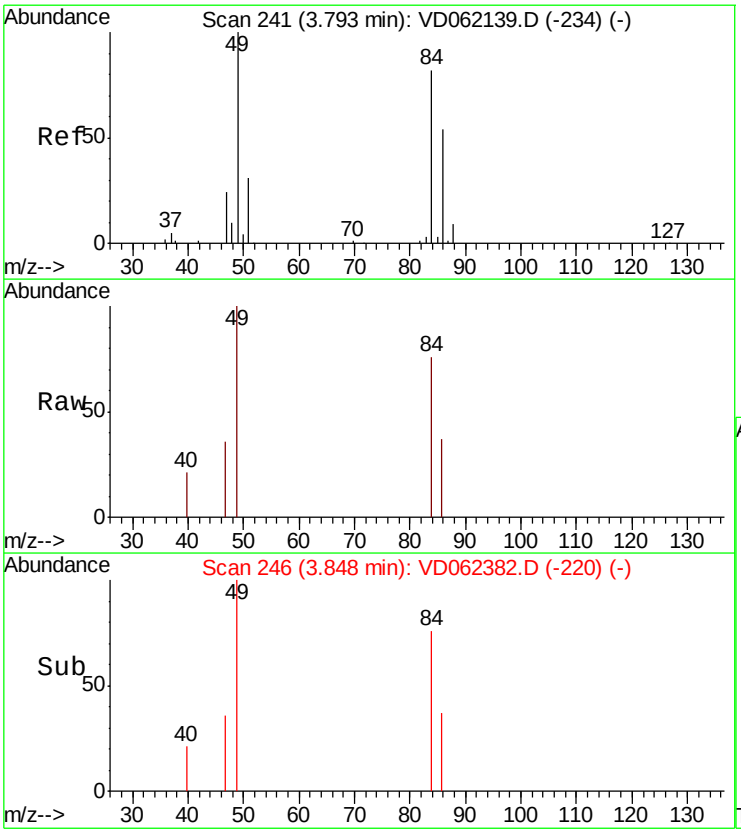

#11
Tert butyl alcohol
Concen: 230.493 ug/l
RT: 4.03 min Scan# 264
Delta R.T. -0.00 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion: 59 Resp: 7521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 6.9 | 10.3# |

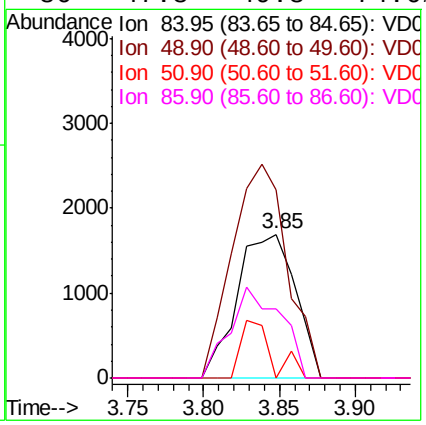


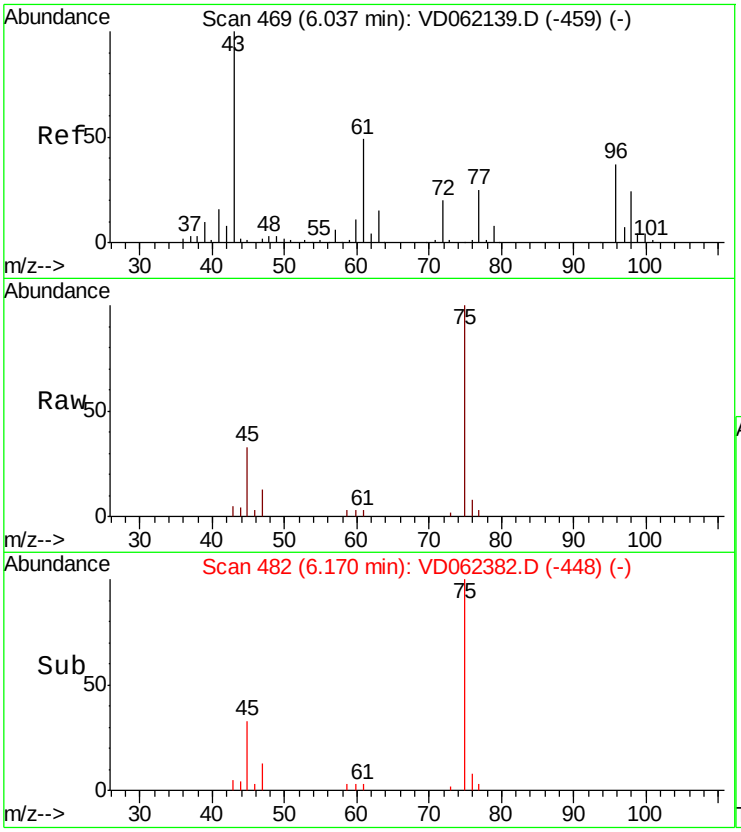




#20
Methylene Chloride
Concen: 8.102 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.05 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 84 Resp: 4535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.8 | 94.0 | 141.0 |
| 51 | 0.0 | 29.0 | 43.4# |
| 86 | 47.8 | 49.8 | 74.6# |



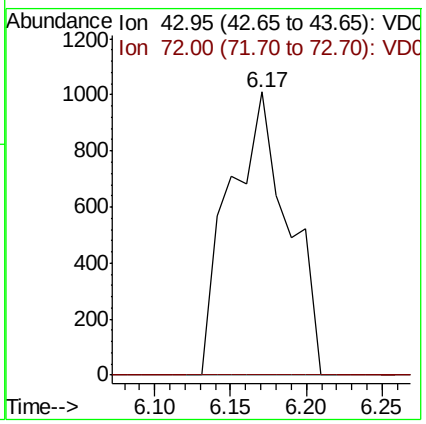


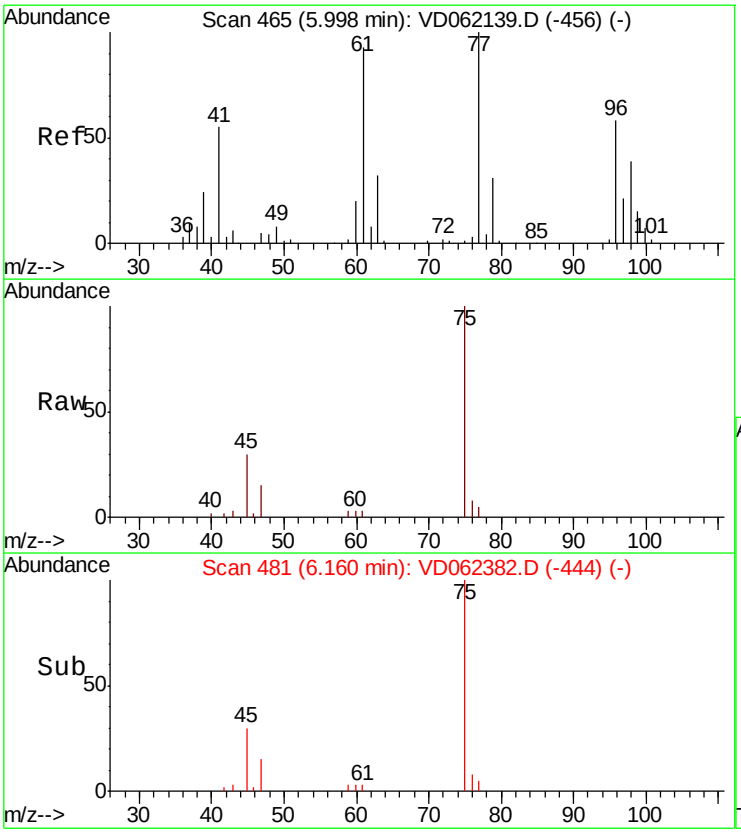

#25
2-Butanone
Concen: 18.663 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.13 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion: 43 Resp: 2729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 16.2 | 24.4# |

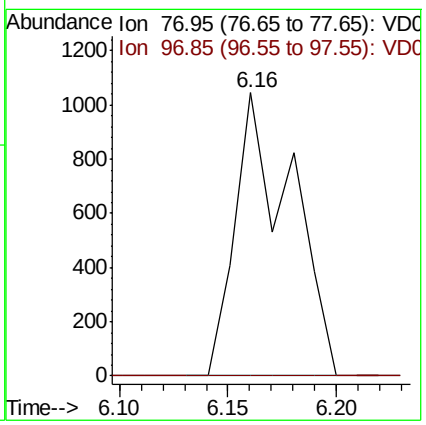


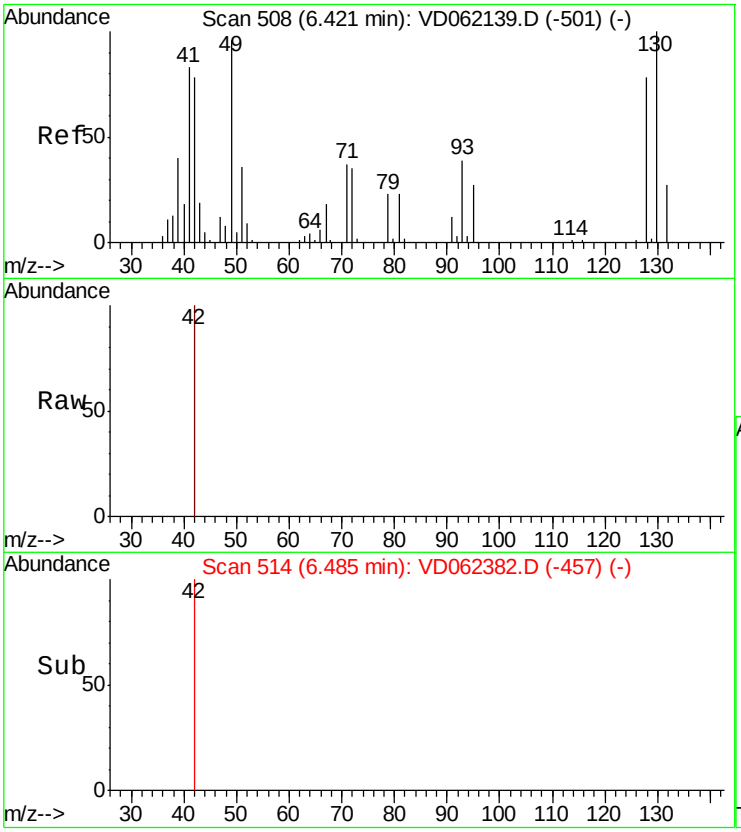




#26
2,2-Dichloropropane
Concen: 1.932 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.16 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 77 Resp: 1884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 0.0 | 11.9 | 35.9# |



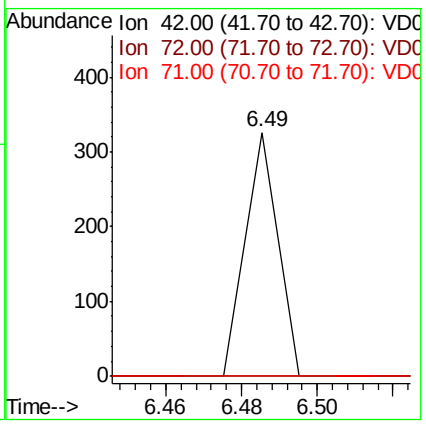


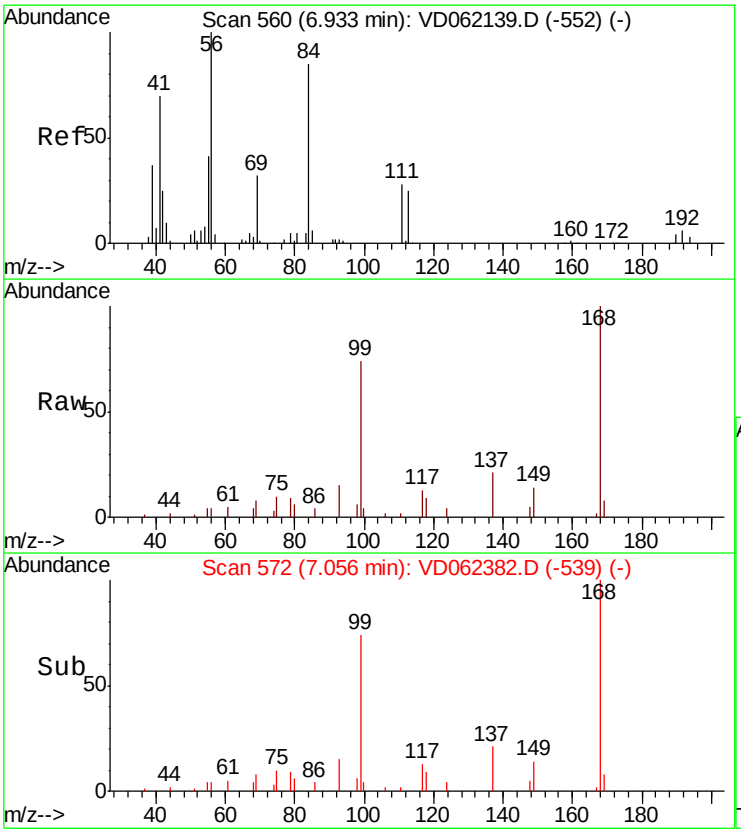

#29
Tetrahydrofuran
Concen: 2.865 ug/l
RT: 6.49 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :**
MSVOA_D
**ClientSampleId :**
RT-3456

Tgt Ion: 42 Resp: 193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 0.0 | 37.8 | 56.6# |
| 71 | 0.0 | 36.7 | 55.1# |

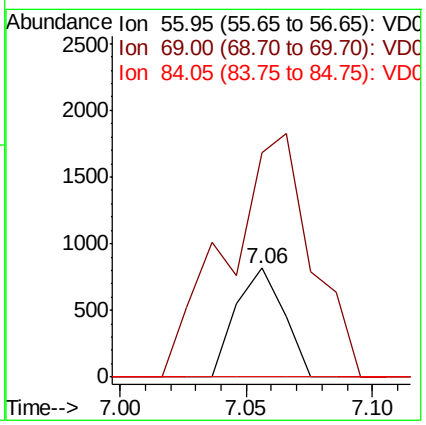


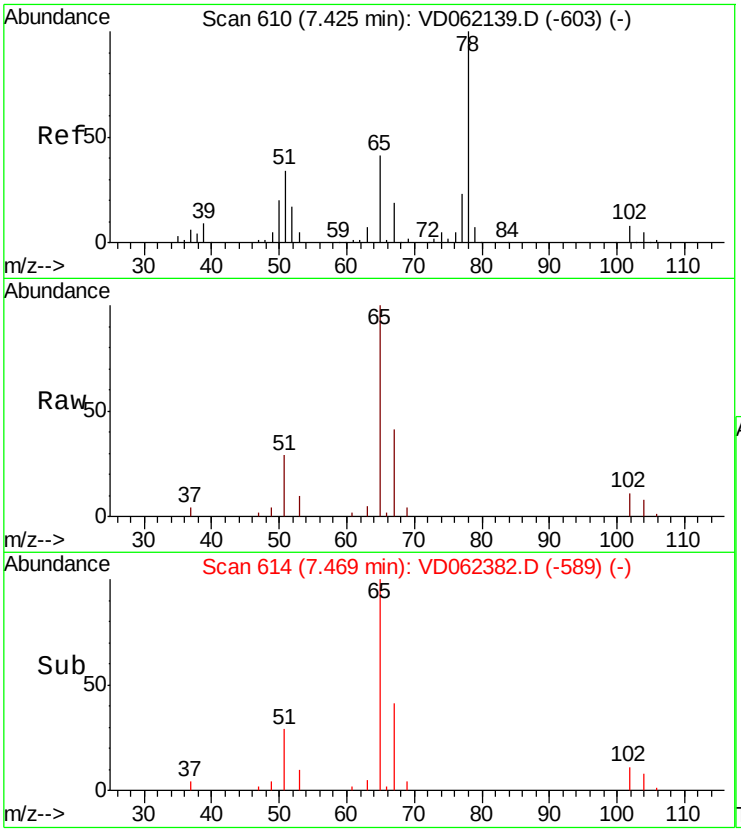




#31
Cyclohexane
Concen: 1.604 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 56 Resp: 1076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 206.3 | 25.8 | 38.6# |
| 84 | 0.0 | 72.2 | 108.4# |



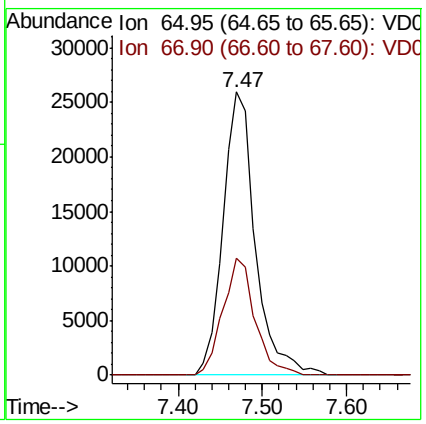


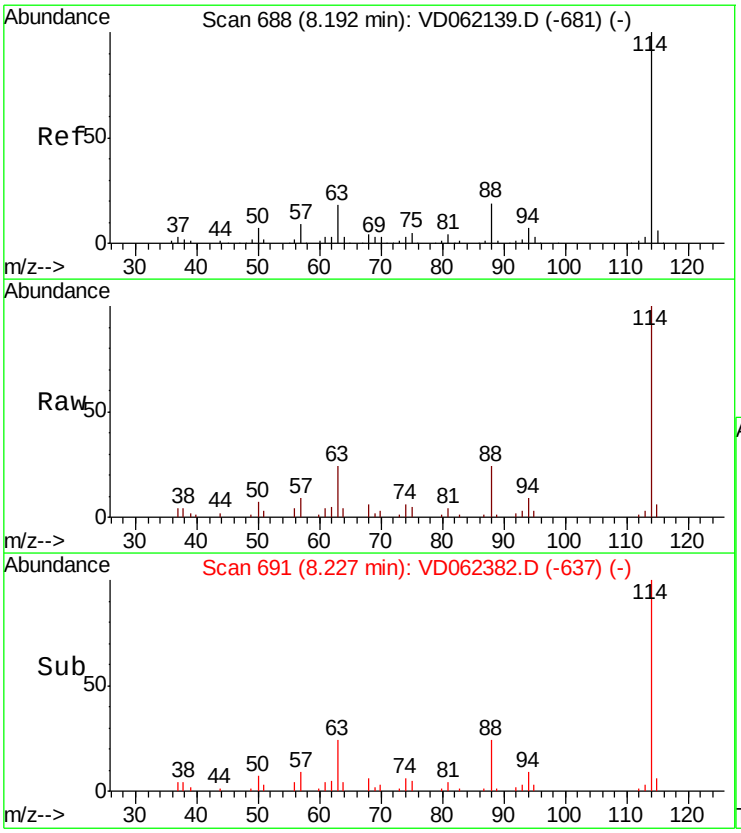

#33
1,2-Dichloroethane-d4
Concen: 107.891 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion: 65 Resp: 68969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 41.3 | 0.0 | 98.0 |

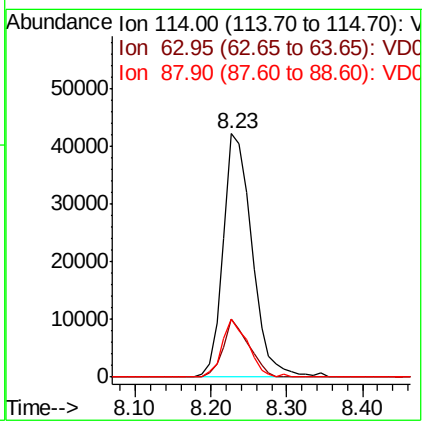


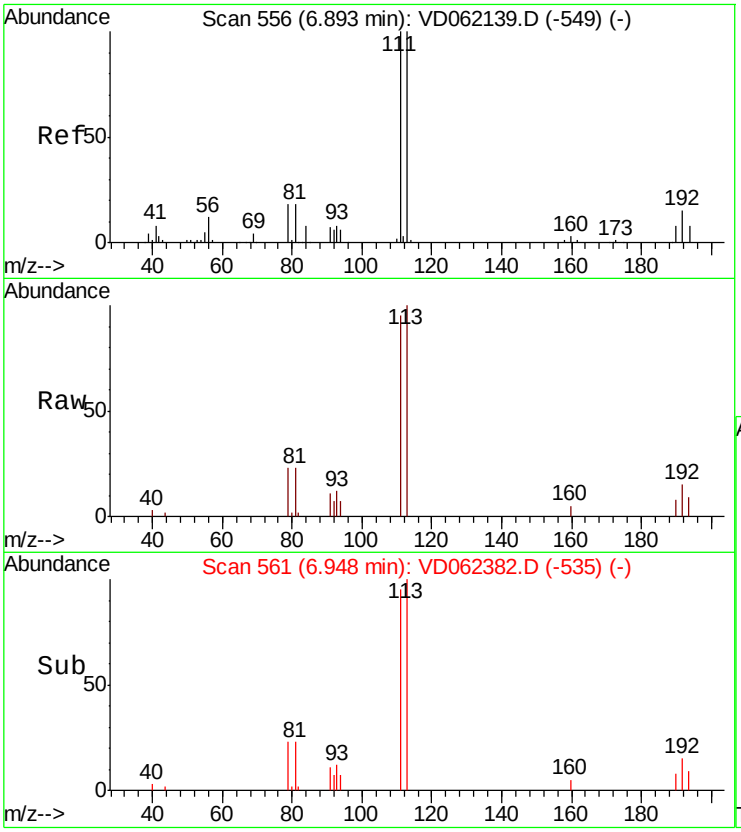




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 691
Delta R.T. 0.03 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion:114 Resp: 111335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 32.4 |
| 88 | 24.0 | 0.0 | 33.6 |



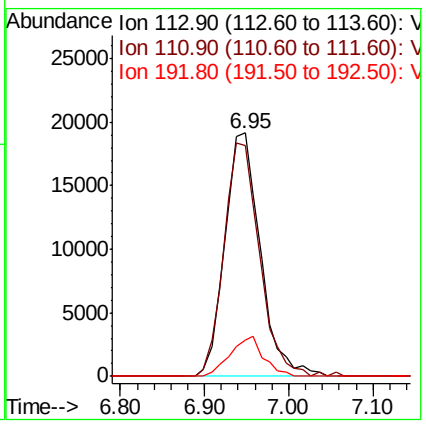


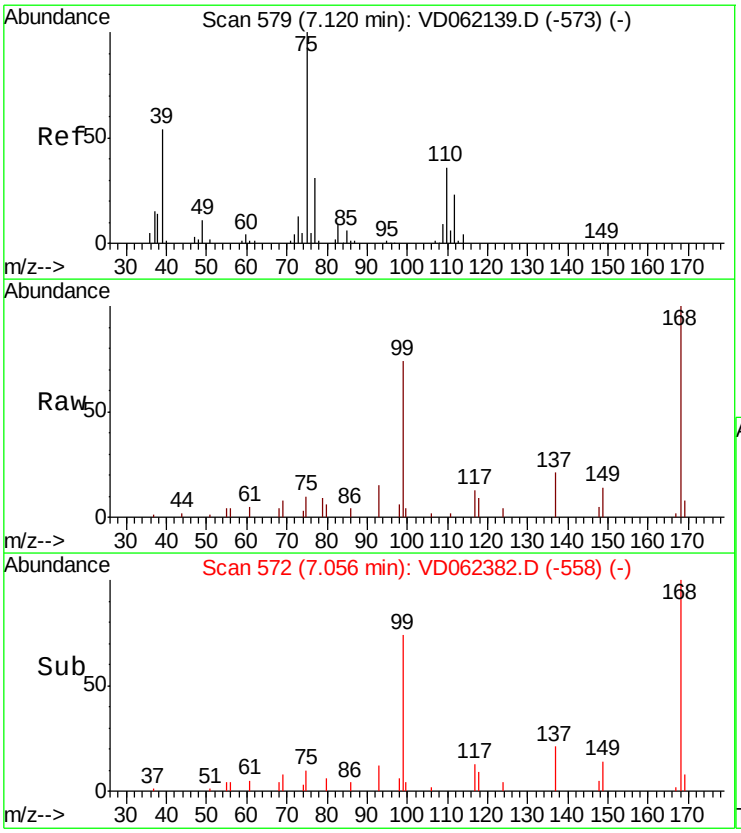

#35
Dibromofluoromethane
Concen: 60.764 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.05 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion:113 Resp: 56131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 94.7 | 78.5 | 117.7 |
| 192 | 15.0 | 13.0 | 19.4 |

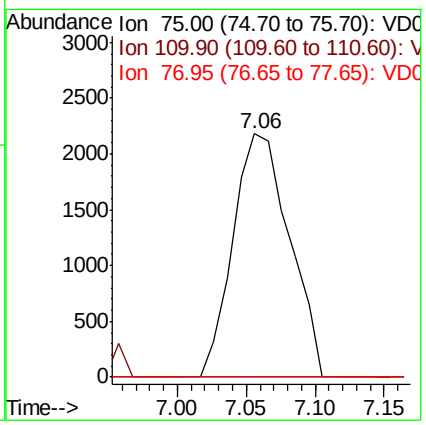


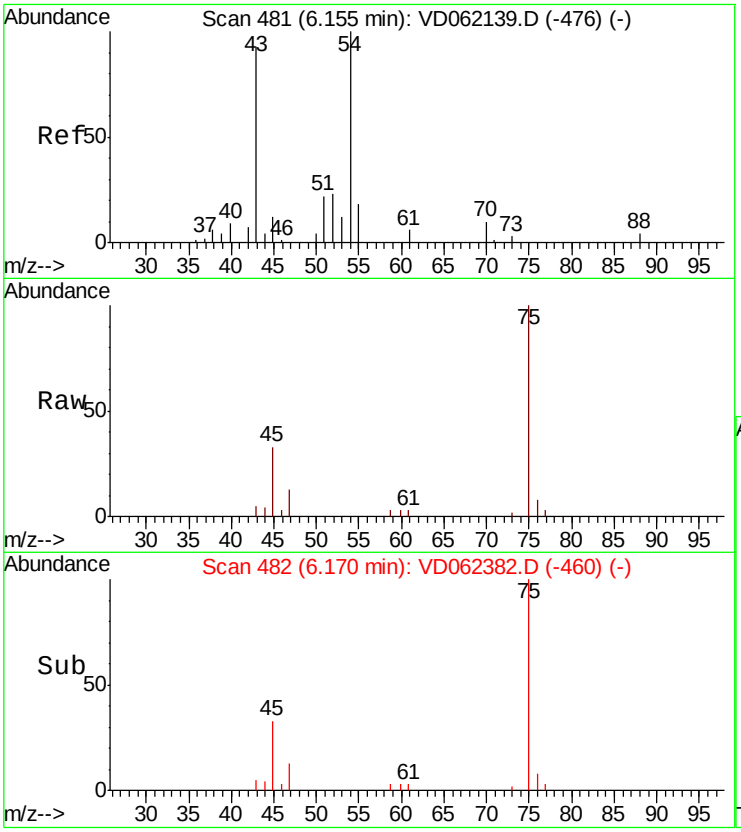




#36
1,1-Dichloropropene
Concen: 6.806 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 75 Resp: 6213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 19.1 | 57.1# |
| 77 | 0.0 | 25.6 | 38.4# |



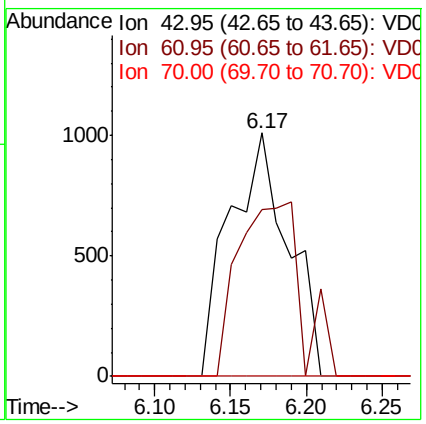


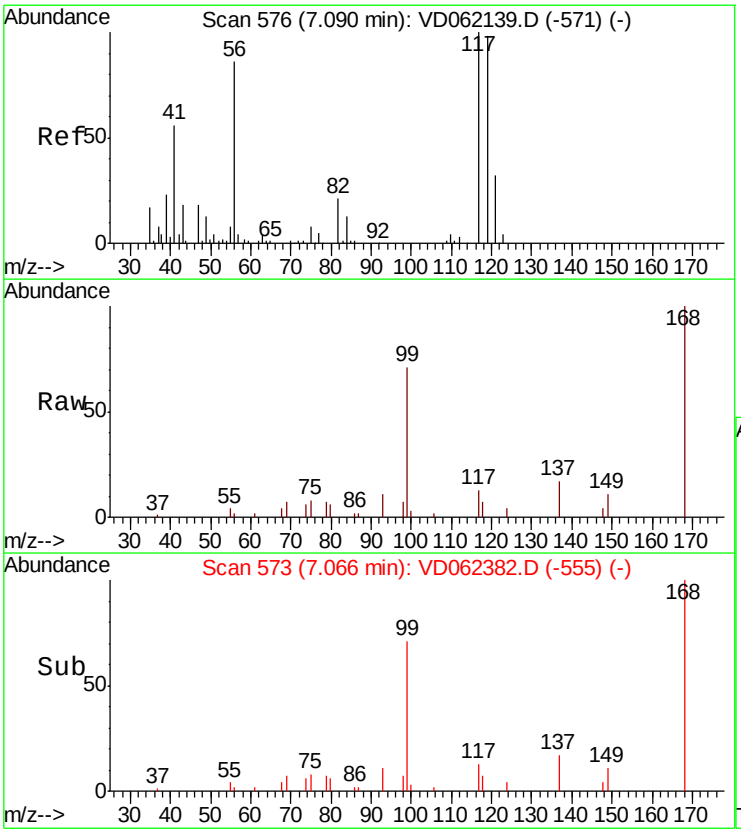

#37
Ethyl Acetate
Concen: 7.049 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion: 43 Resp: 2729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 68.4 | 14.7 | 22.1# |
| 70 | 0.0 | 7.8 | 11.6# |

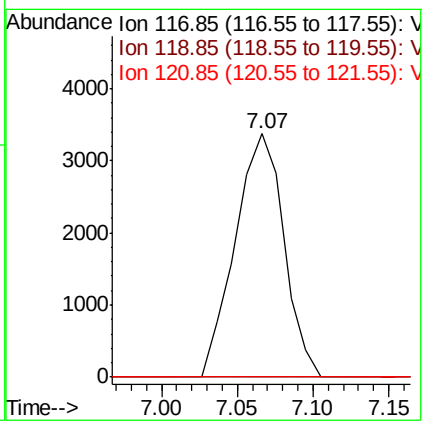


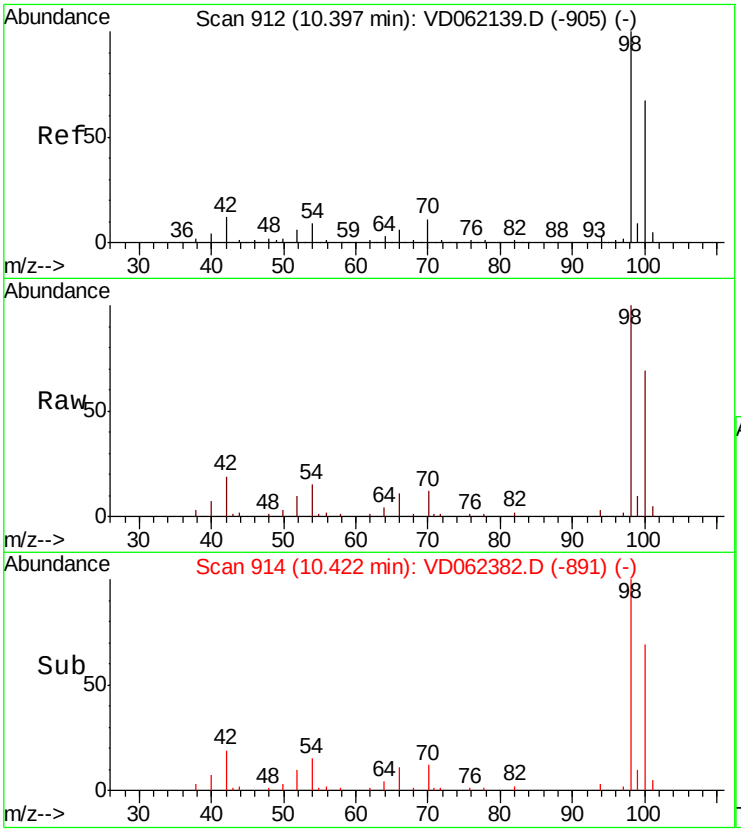




#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.02 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion:117 Resp: 7558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 0.0 | 75.8 | 113.8# |
| 121 | 0.0 | 25.9 | 38.9# |



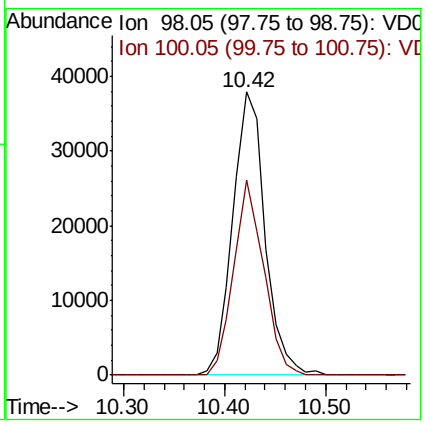


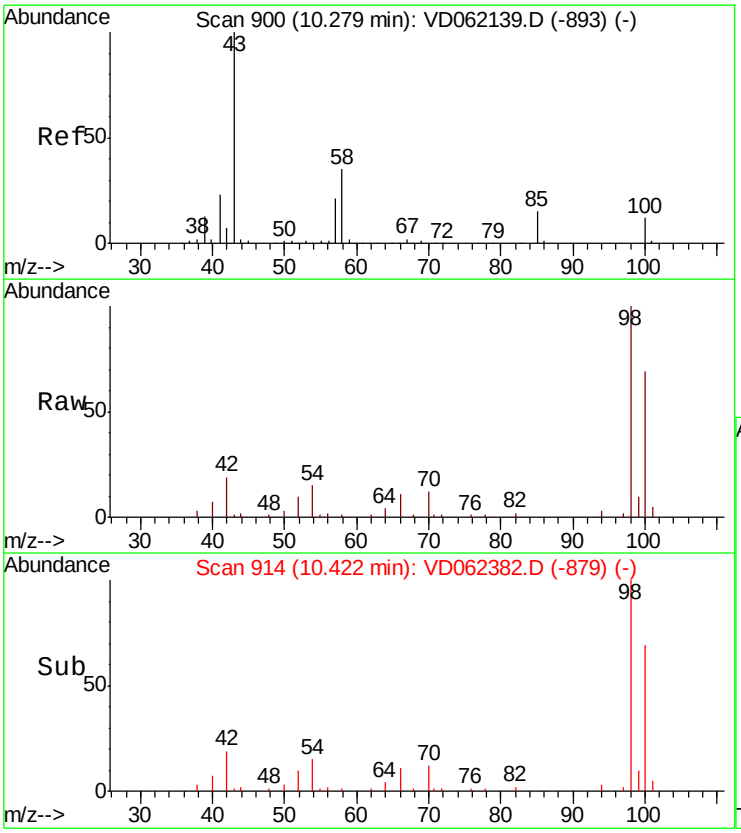

#50
Toluene-d8
Concen: 37.860 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion: 98 Resp: 84323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 69.1 | 53.8 | 80.8 |

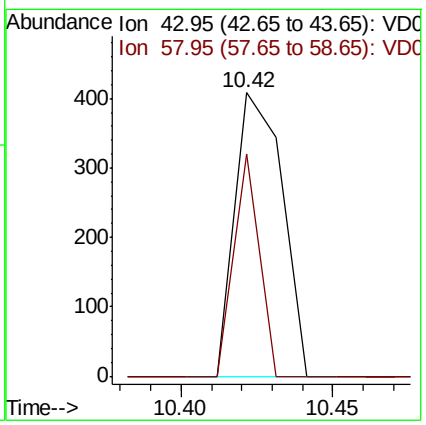


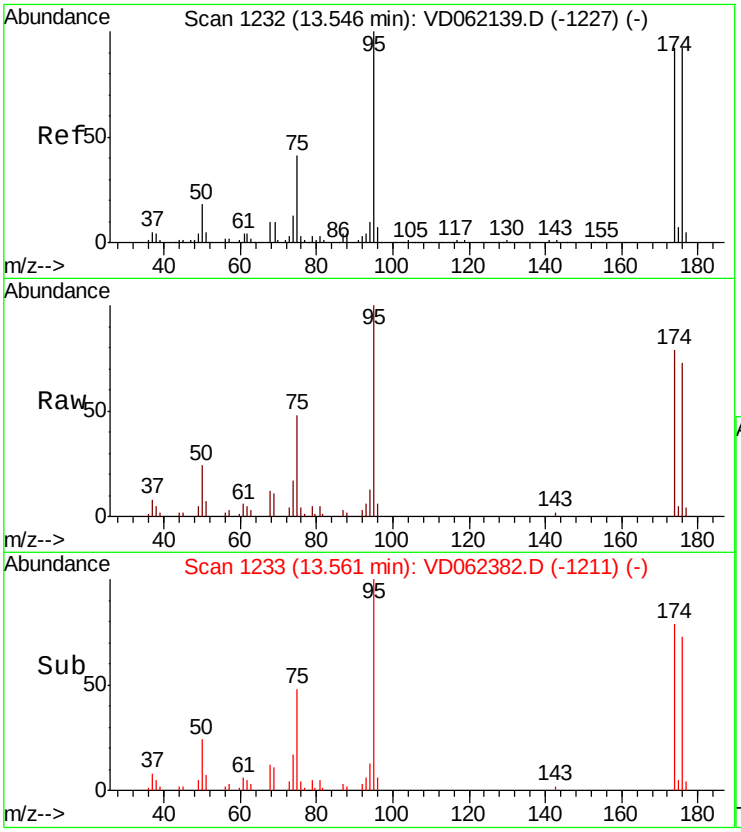




#51
4-Methyl-2-Pentanone
Concen: 1.261 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 43 Resp: 445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 78.4 | 30.4 | 45.6# |



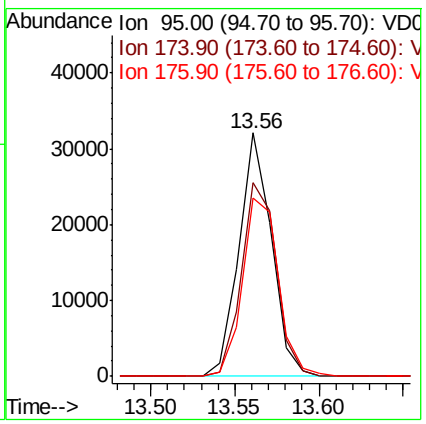


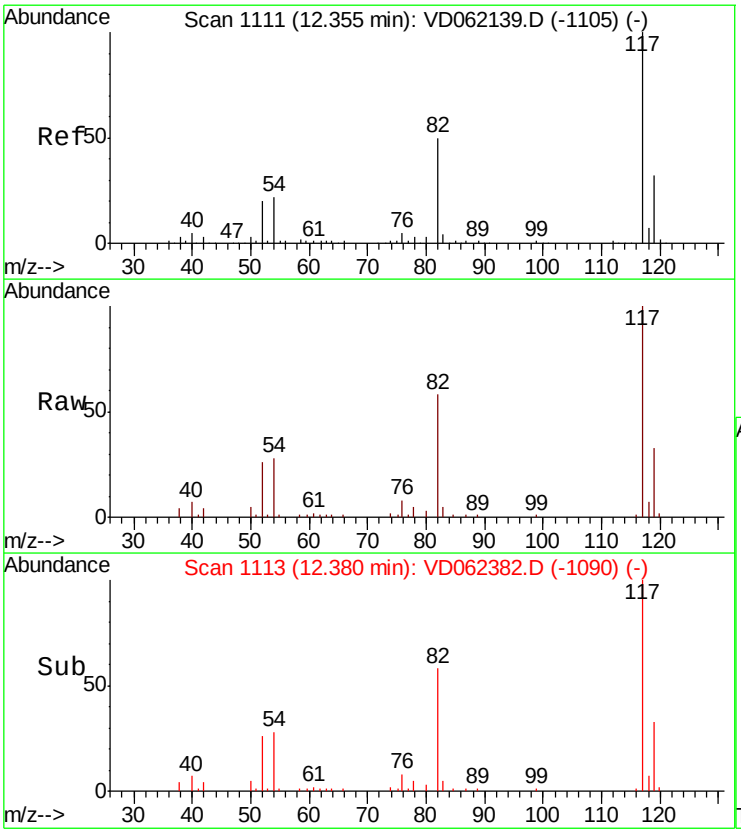

#62
4-Bromofluorobenzene
Concen: 48.077 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.02 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :** MSVOA_D
**ClientSampleId :** RT-3456

Tgt Ion: 95 Resp: 42999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 79.4 | 0.0 | 181.8 |
| 176 | 73.4 | 0.0 | 174.4 |

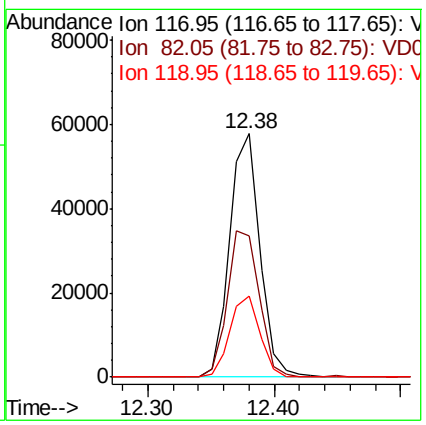


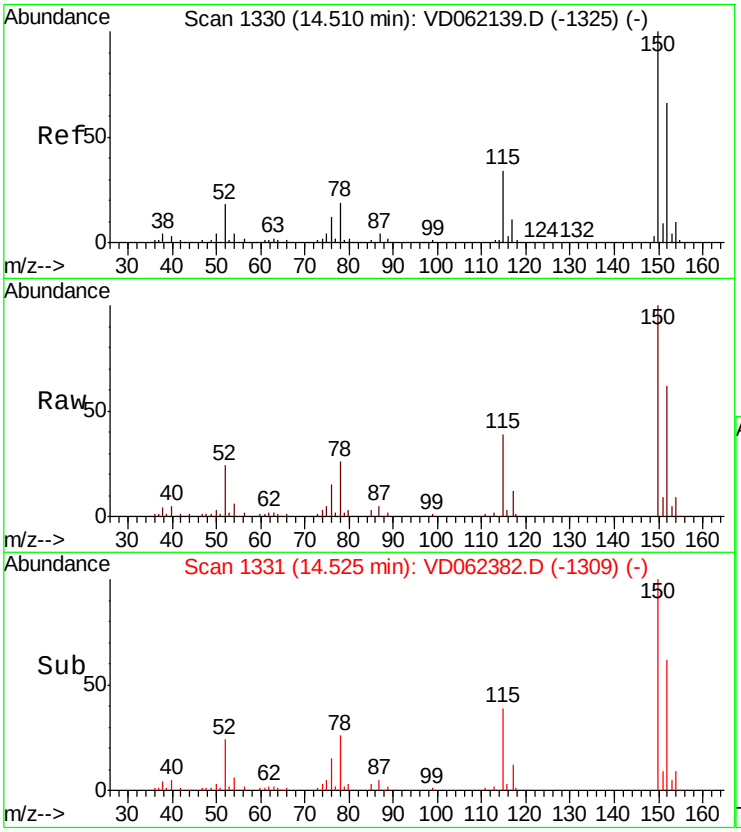




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion:117 Resp: 95140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.0 | 36.2 | 54.2# |
| 119 | 33.1 | 26.2 | 39.4 |



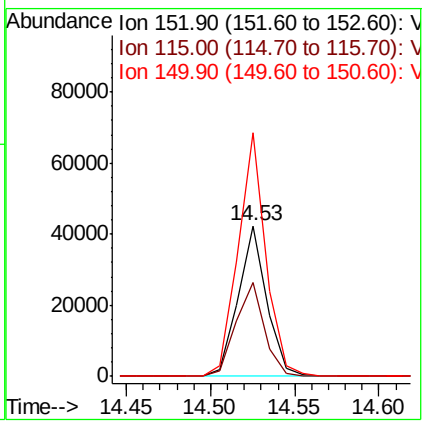


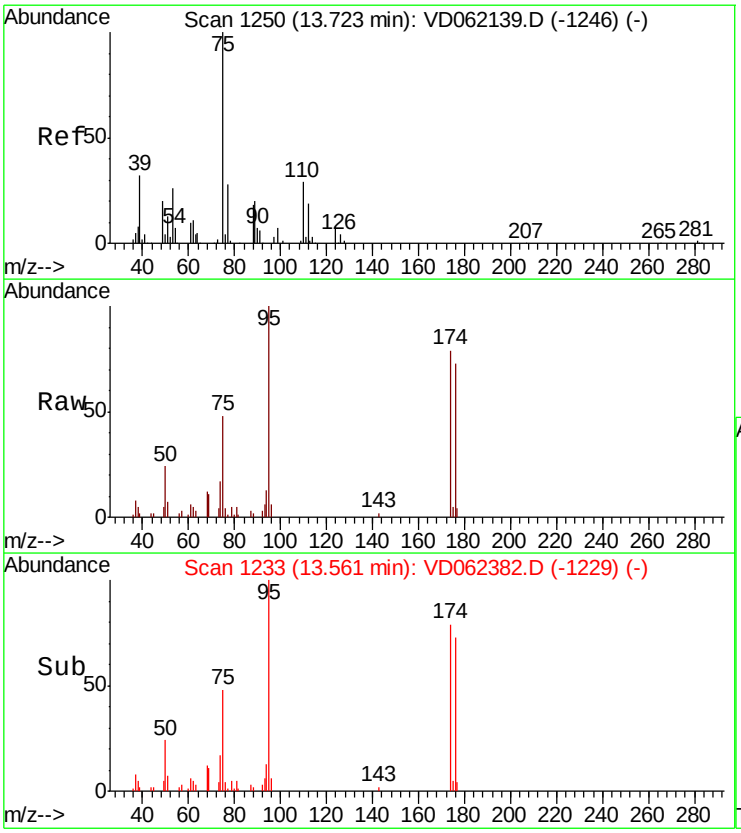

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :**
MSVOA_D
**ClientSampleId :**
RT-3456

Tgt Ion:152 Resp: 49466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.7 | 30.9 | 92.7 |
| 150 | 161.8 | 0.0 | 314.8 |

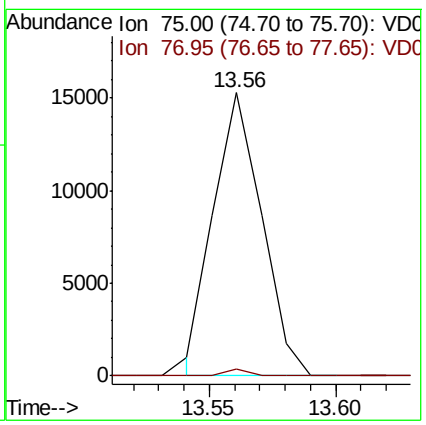


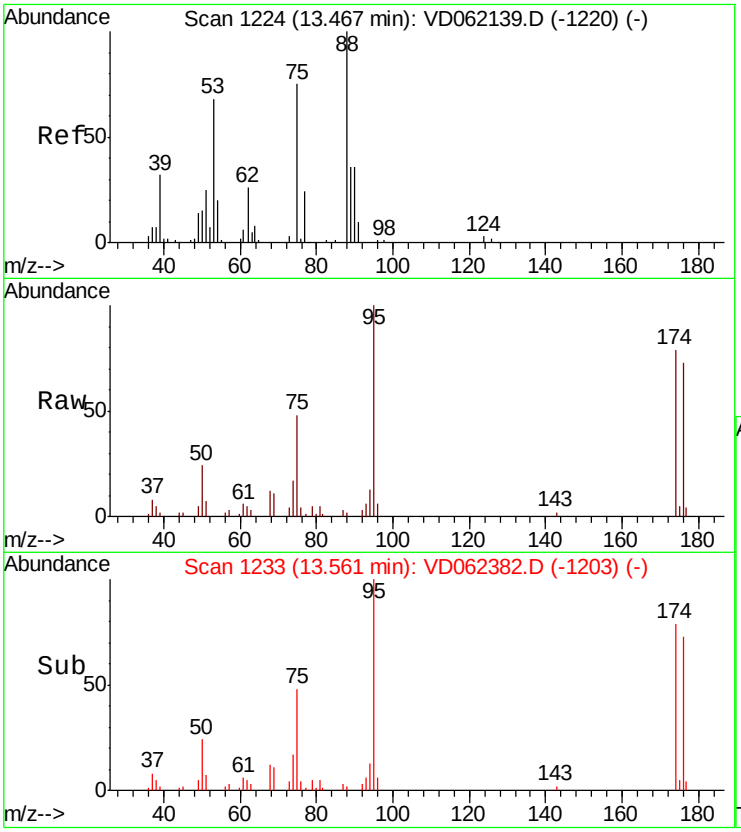




#76
1,2,3-Trichloropropane
Concen: 34.498 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.16 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

Tgt Ion: 75 Resp: 20280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 2.4 | 16.4 | 49.4# |






#81
trans-1,4-Dichloro-2-butene
Concen: 125.828 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062382.D
Acq: 15 May 2019 9:04

**Instrument :**
MSVOA_D
**ClientSampleId :**
RT-3456

Tgt Ion: 75 Resp: 20882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 65.8 | 98.8# |
| 89 | 0.0 | 35.0 | 52.6# |