Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051219\
Data File : VD062266.D
Acq On : 12 May 2019 18:32
Operator : FY/SY
Sample : K2733-11
Misc : 6.15g/5mL/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** P021-SS002-0612-01

Quant Time: May 13 01:34:55 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 | 7.06 | 168 | 267774 | 50.00 | ug/l | 0.04 |
| 34) 1,4-Difluorobenzene | 8.23 | 114 | 458643 | 50.00 | ug/l | 0.04 |
| 63) Chlorobenzene-d5 | 12.37 | 117 | 317982 | 50.00 | ug/l | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152 | 155973 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.46 | 65 | 213483 | 85.79 | ug/l | 0.04 |
| Spiked Amount 50.000 | | | Recovery = 171.58% | | | |
| 35) Dibromofluoromethane | 6.94 | 113 | 232709 | 61.15 | ug/l | 0.05 |
| Spiked Amount 50.000 | | | Recovery = 122.30% | | | |
| 50) Toluene-d8 | 10.42 | 98 | 308771 | 33.65 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 67.30% | | | |
| 62) 4-Bromofluorobenzene | 13.56 | 95 | 140549 | 38.15 | ug/l | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 76.30% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 5) Bromomethane | 2.18 | 94 | 2166 | 5.083 | ug/l # | 12 |
| 16) Acetone | 3.23 | 43 | 13094 | 25.091 | ug/l # | 85 |
| 20) Methylene Chloride | 3.83 | 84 | 8617 | 3.955 | ug/l # | 88 |
| 25) 2-Butanone | 6.09 | 43 | 712 | 1.251 | ug/l # | 56 |
| 31) Cyclohexane | 7.05 | 56 | 5439 | 2.083 | ug/l # | 17 |
| 36) 1,1-Dichloropropene | 7.06 | 75 | 21623 | 5.750 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 7.06 | 117 | 29807 | 5.727 | ug/l # | 15 |
| 51) 4-Methyl-2-Pentanone | 10.42 | 43 | 1876 | 1.290 | ug/l # | 14 |
| 76) 1,2,3-Trichloropropane | 13.55 | 75 | 54490 | 29.397 | ug/l # | 45 |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75 | 60930 | 116.437 | ug/l # | 16 |

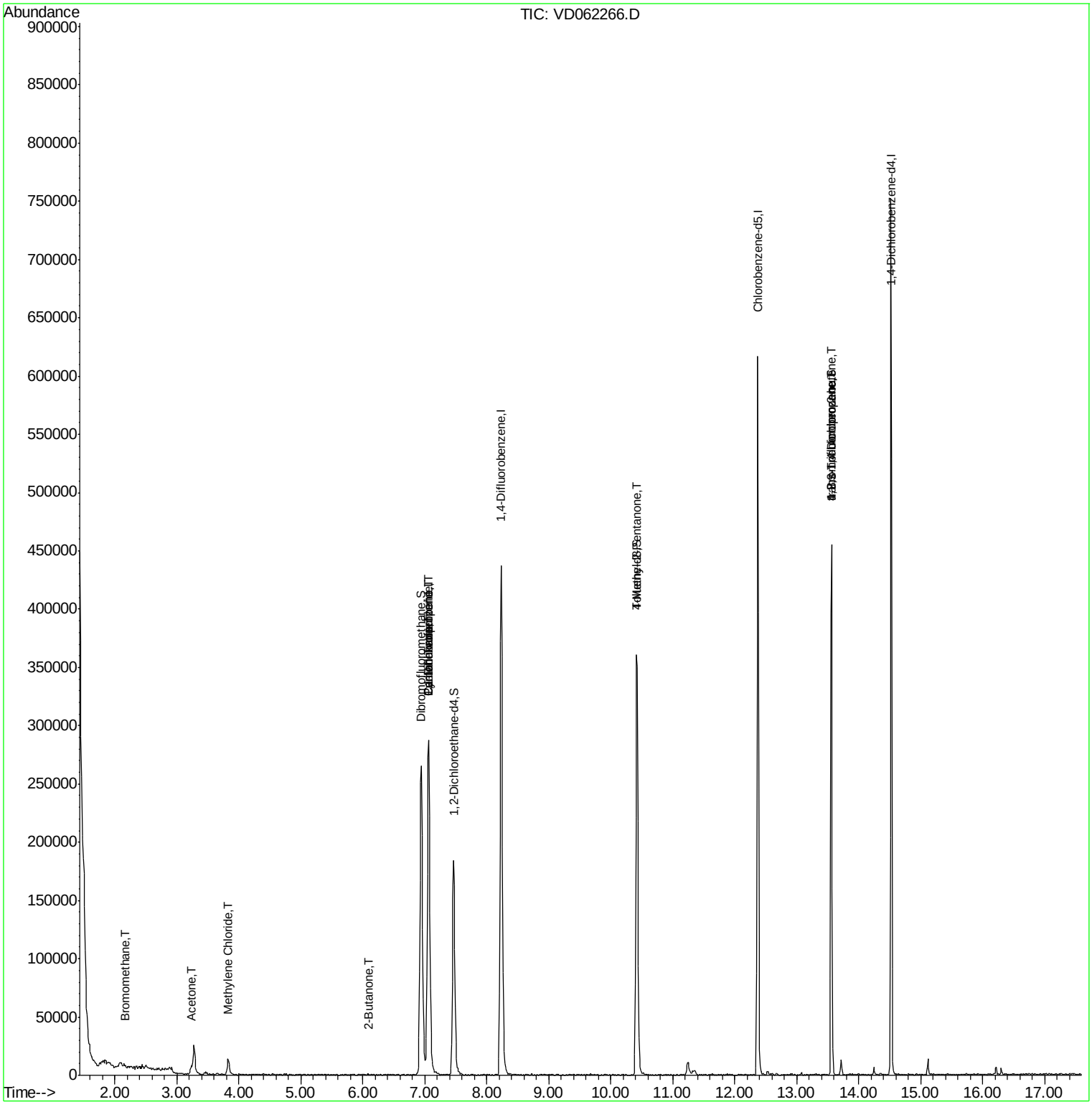
(#) = qualifier out of range (m) = manual integration (+) = signals summed

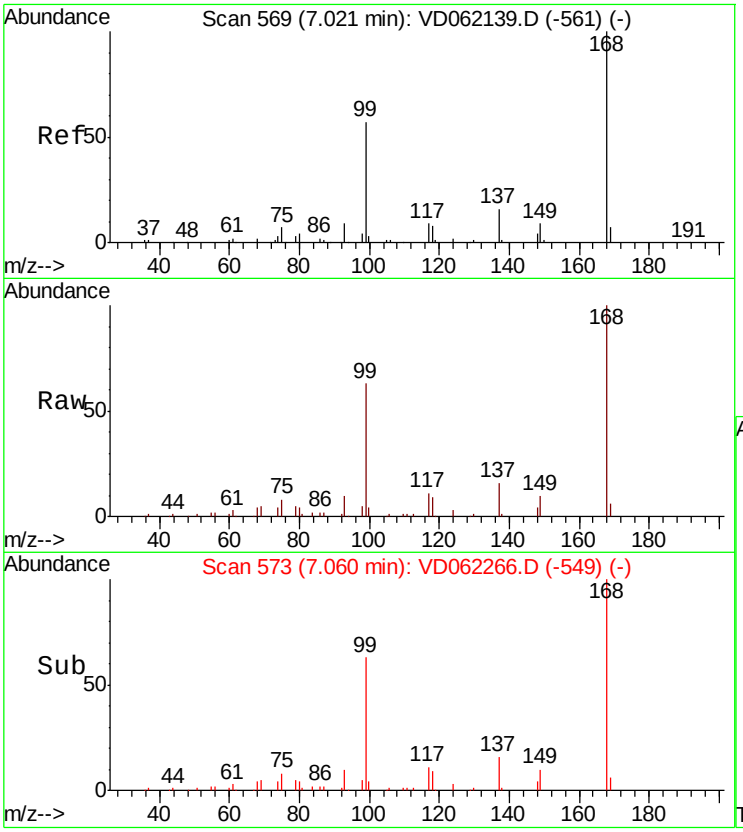
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051219\
Data File : VD062266.D
Acq On : 12 May 2019 18:32
Operator : FY/SY
Sample : K2733-11
Misc : 6.15g/5mL/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** P021-SS002-0612-01

Quant Time: May 13 01:34:55 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



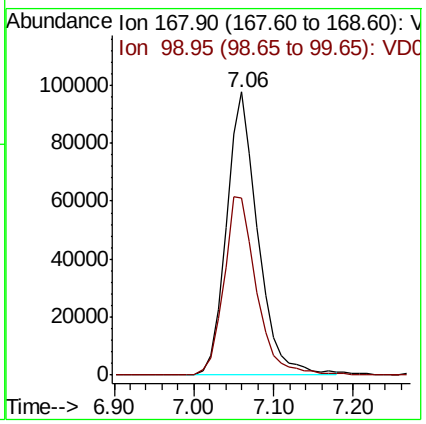


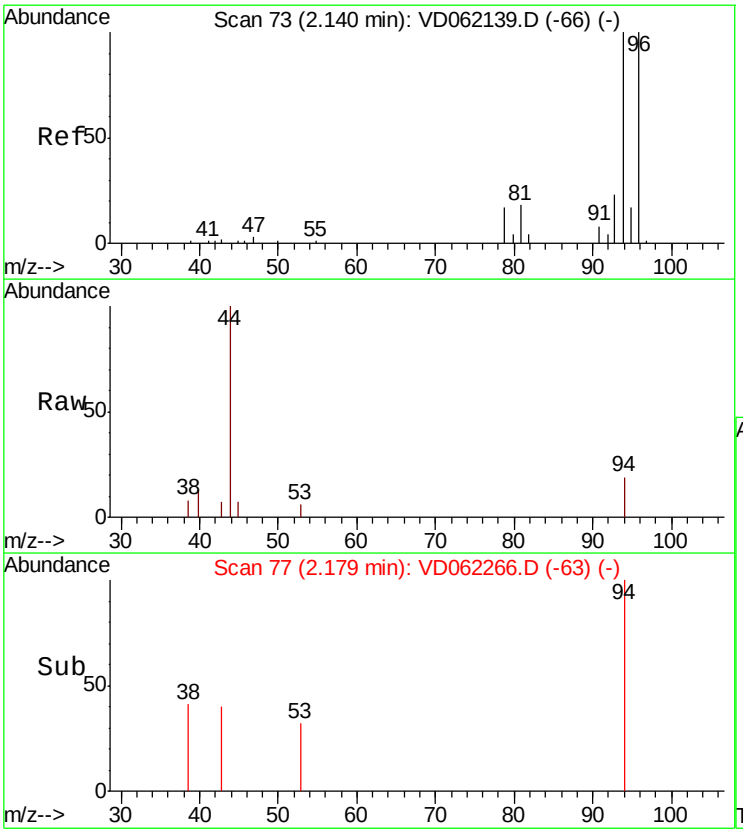

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS002-0612-01

Tgt Ion:168 Resp: 267774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.5 | 46.5 | 69.7 |

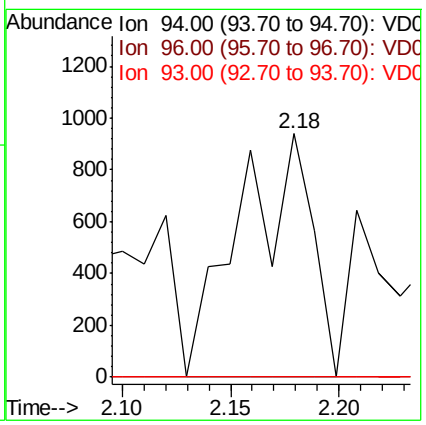


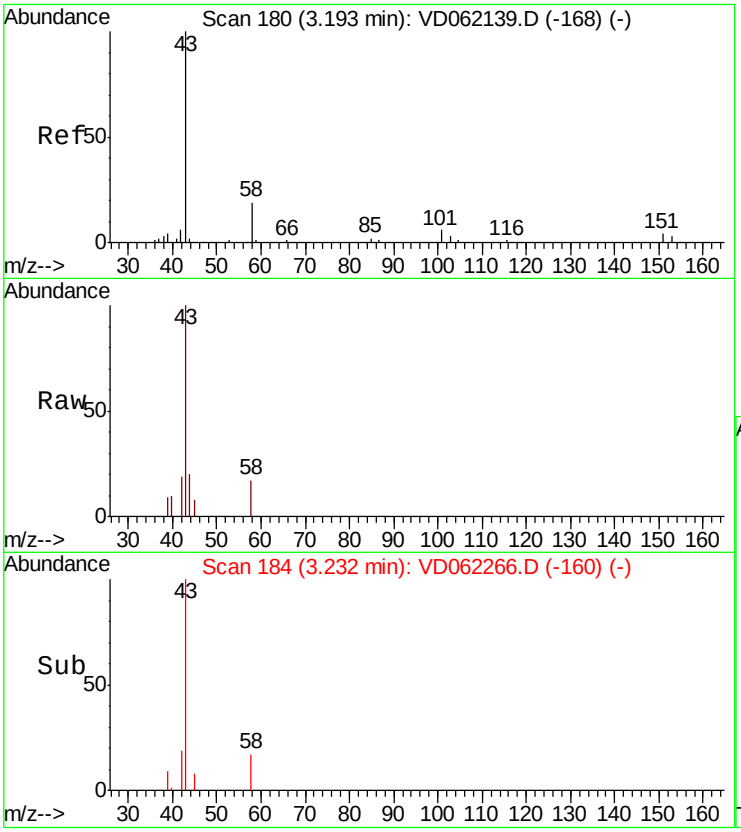




#5
Bromomethane
Concen: 5.083 ug/l
RT: 2.18 min Scan# 77
Delta R.T. 0.04 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 94 Resp: 2166

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



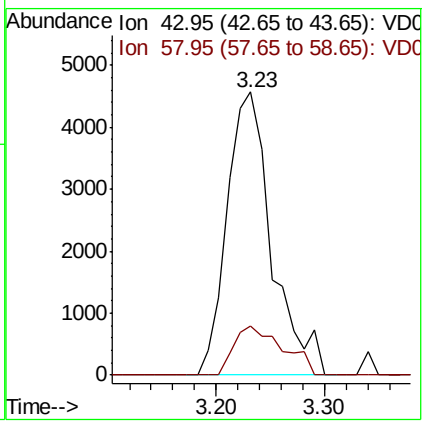


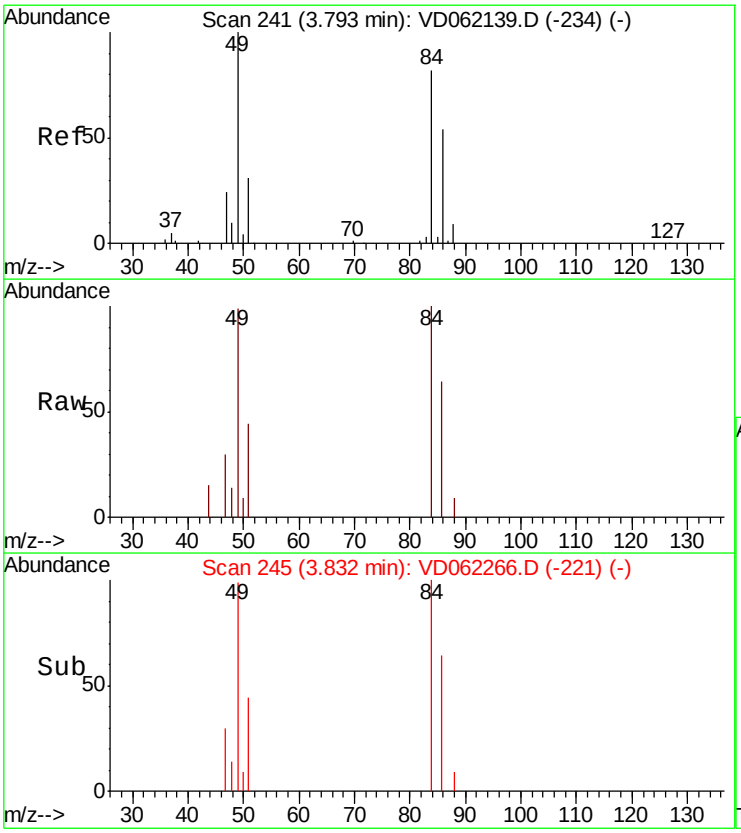

#16
Acetone
Concen: 25.091 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :** MSVOA_D
**ClientSampleId :** P021-SS002-0612-01

Tgt Ion: 43 Resp: 13094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 17.1 | 19.9 | 29.9# |

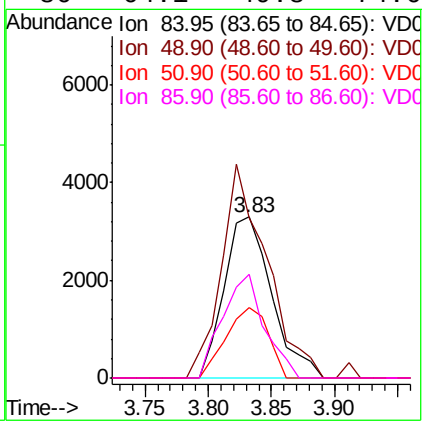


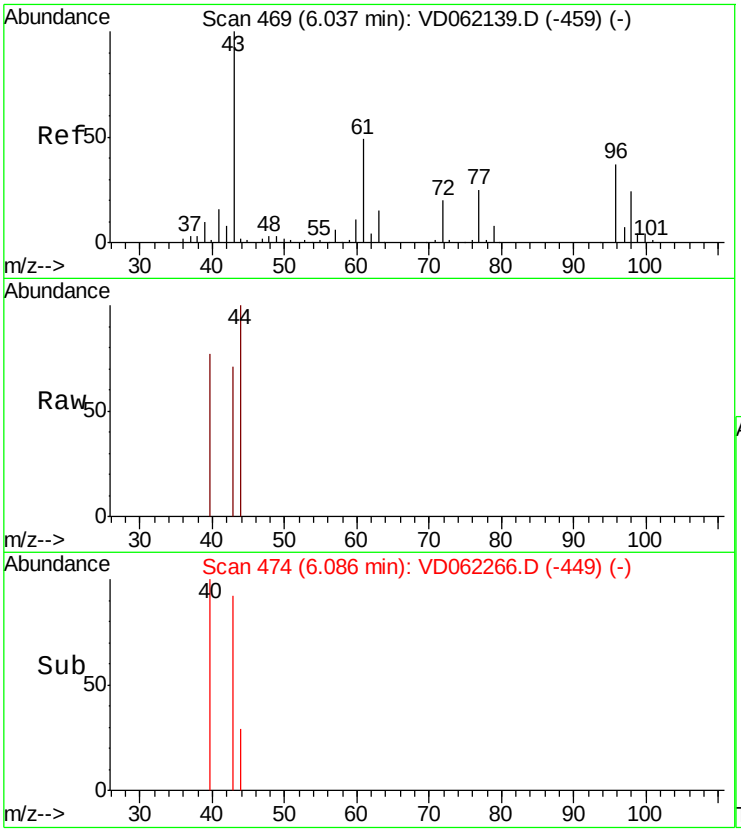




#20
Methylene Chloride
Concen: 3.955 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 84 Resp: 8617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 99.2 | 94.0 | 141.0 |
| 51 | 43.6 | 29.0 | 43.4# |
| 86 | 64.1 | 49.8 | 74.6 |



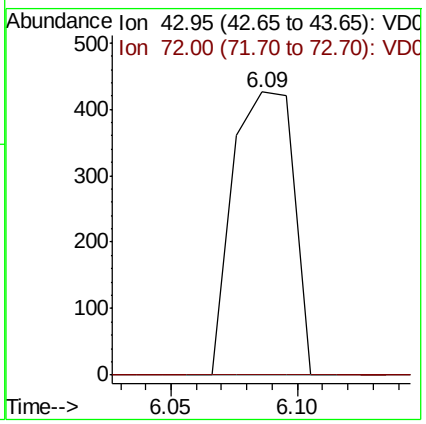


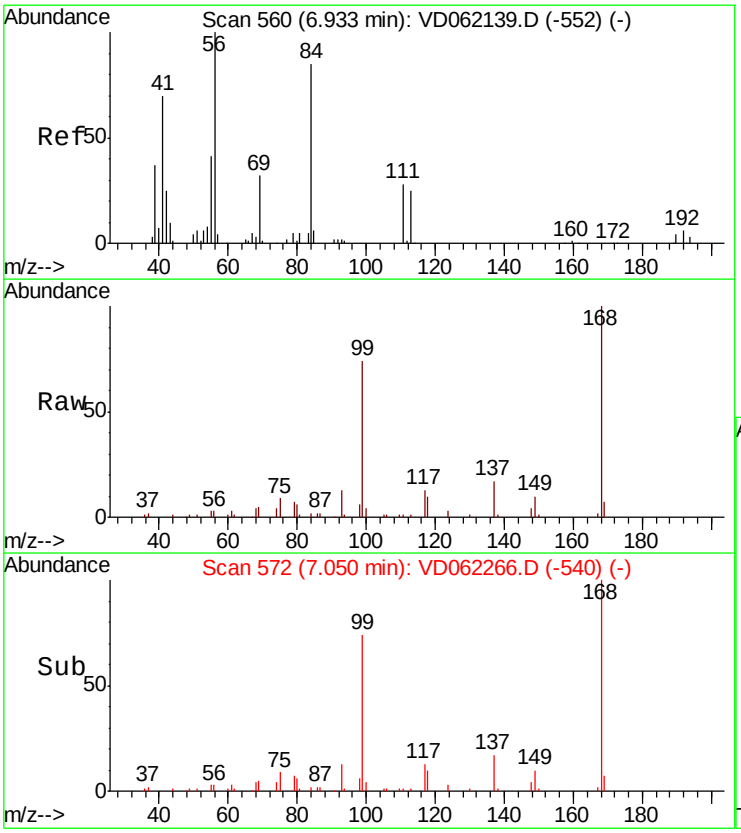

#25
2-Butanone
Concen: 1.251 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS002-0612-01

Tgt Ion: 43 Resp: 712

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

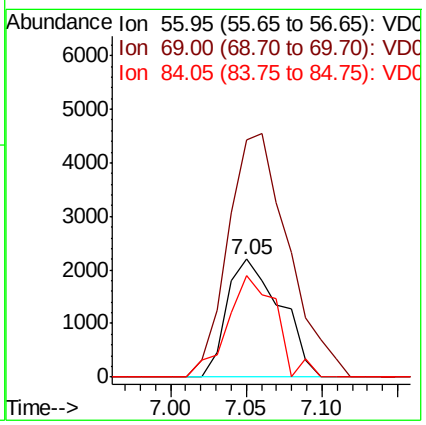


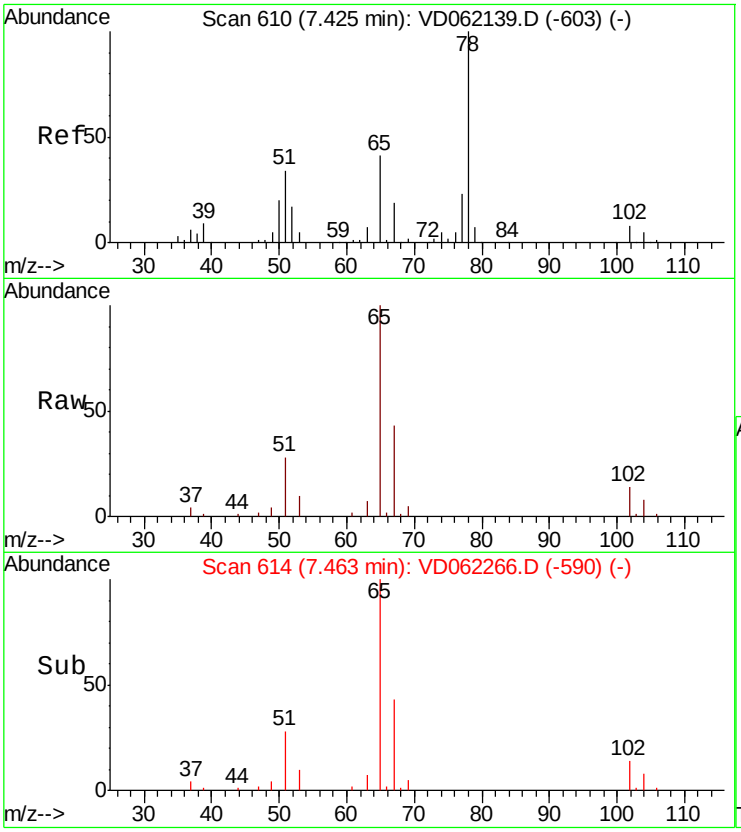




#31
Cyclohexane
Concen: 2.083 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 56 Resp: 5439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 201.9 | 25.8 | 38.6# |
| 84 | 85.8 | 72.2 | 108.4 |



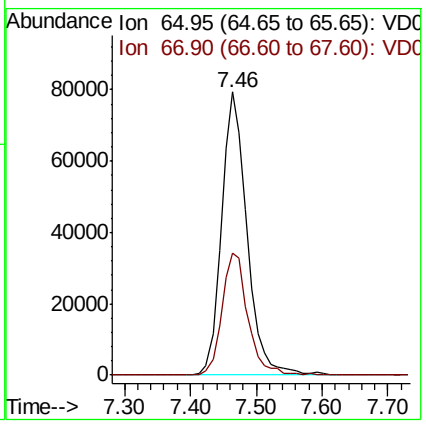


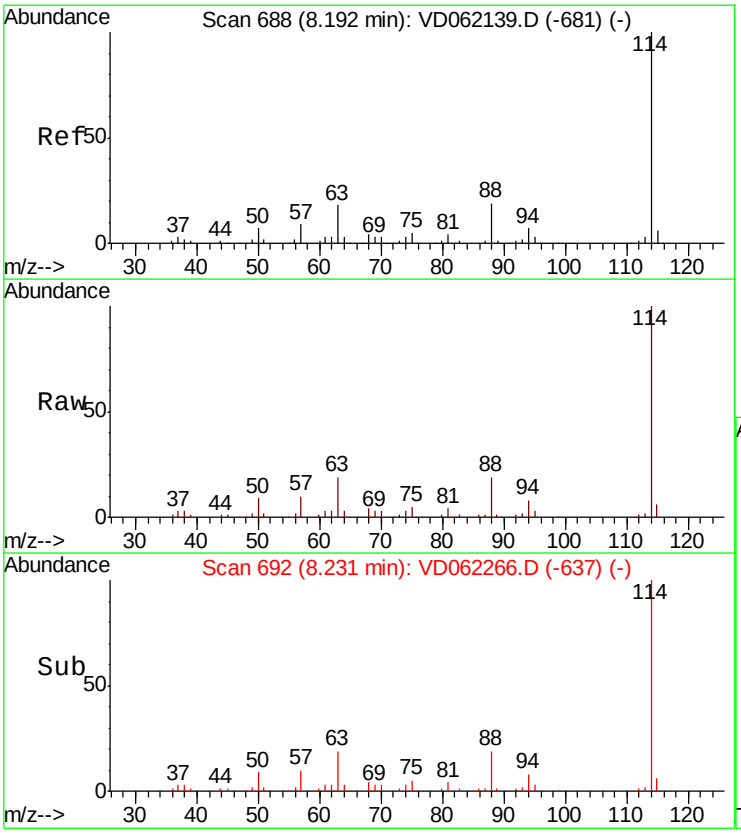

#33
1,2-Dichloroethane-d4
Concen: 85.789 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS002-0612-01

Tgt Ion: 65 Resp: 213483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 42.9 | 0.0 | 98.0 |

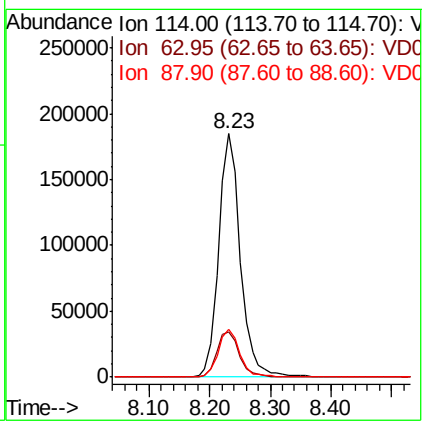


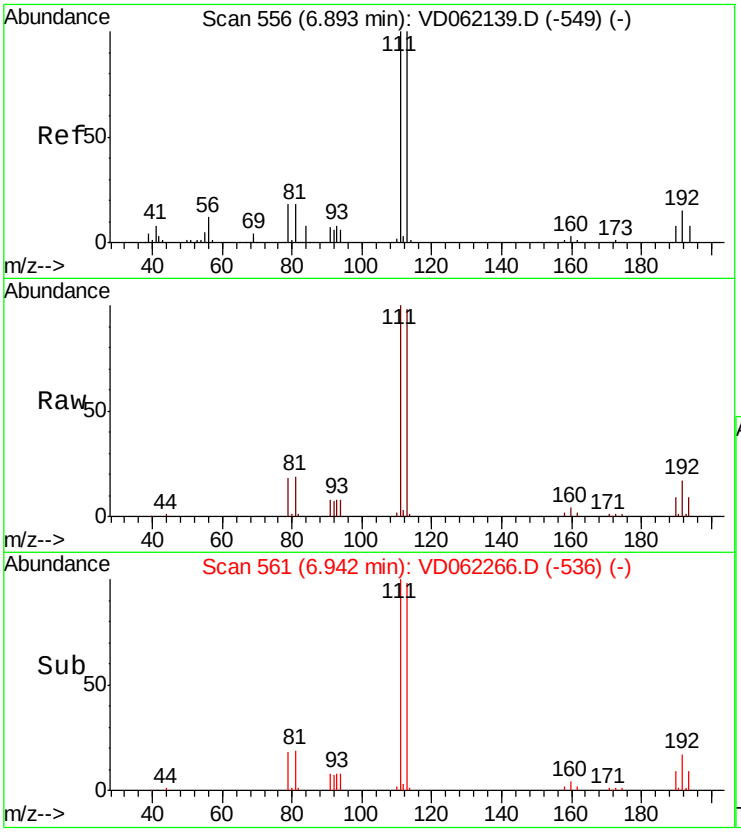




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.23 min Scan# 692
Delta R.T. 0.04 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion:114 Resp: 458643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 18.8 | 0.0 | 32.4 |
| 88 | 19.4 | 0.0 | 33.6 |



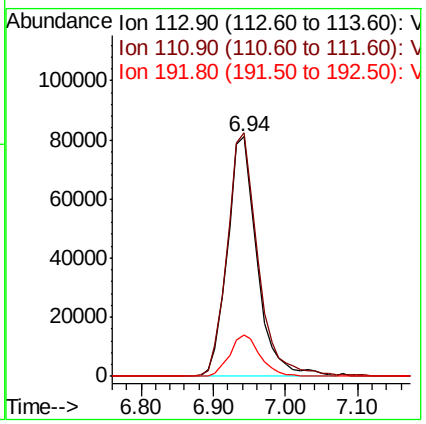


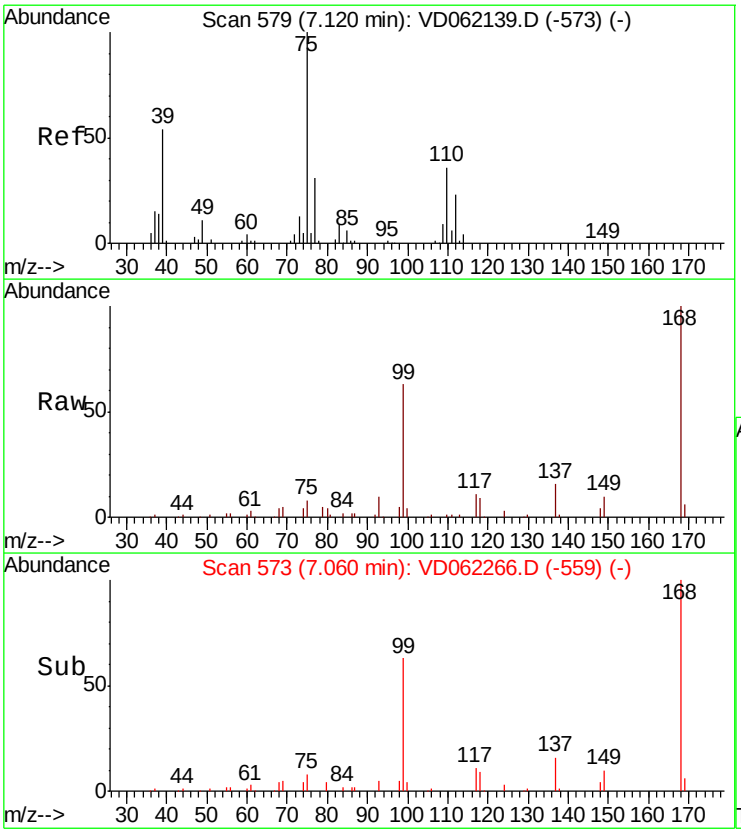

#35
Dibromofluoromethane
Concen: 61.152 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.05 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS002-0612-01

Tgt Ion:113 Resp: 232709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 78.5 | 117.7 |
| 192 | 17.5 | 13.0 | 19.4 |

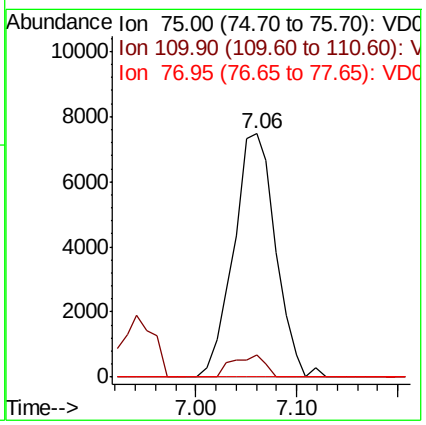


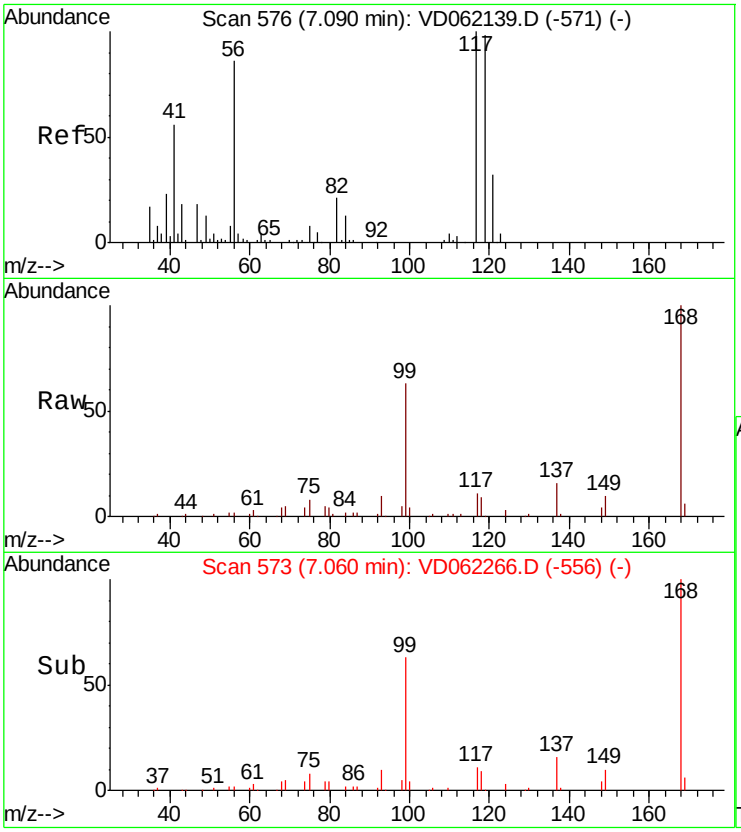




#36
1,1-Dichloropropene
Concen: 5.750 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.06 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 75 Resp: 21623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.3 | 19.1 | 57.1# |
| 77 | 0.0 | 25.6 | 38.4# |



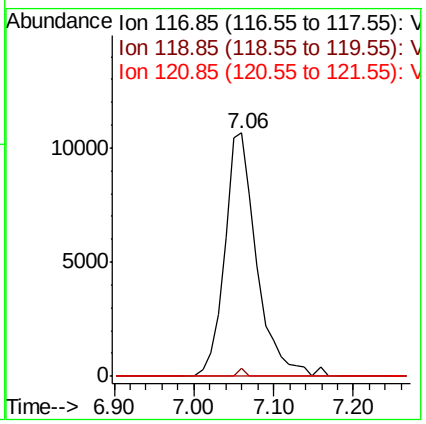


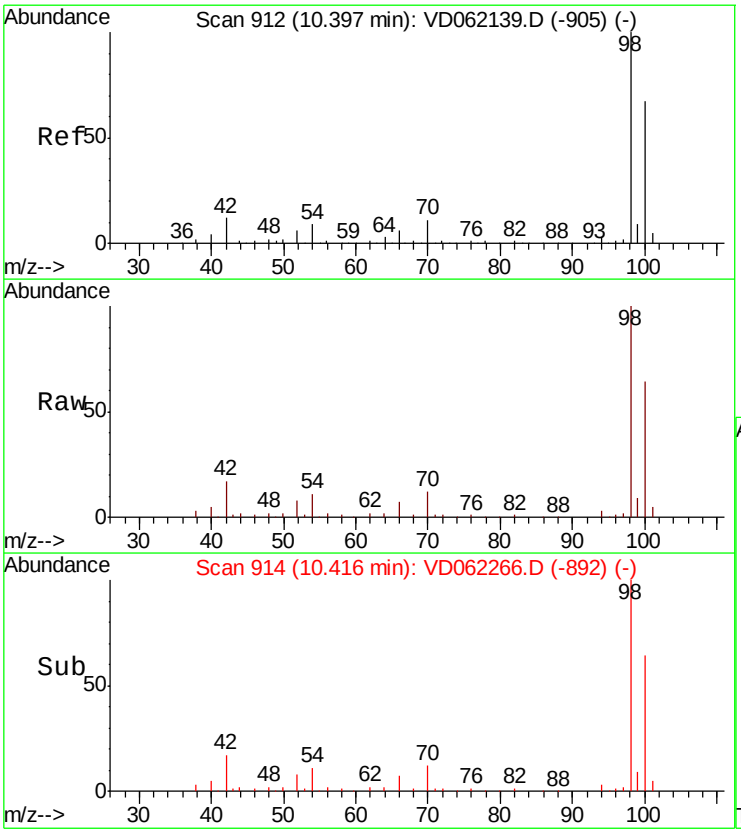

#38
Carbon Tetrachloride
Concen: 5.727 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS002-0612-01

Tgt Ion:117 Resp: 29807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.2 | 75.8 | 113.8# |
| 121 | 0.0 | 25.9 | 38.9# |

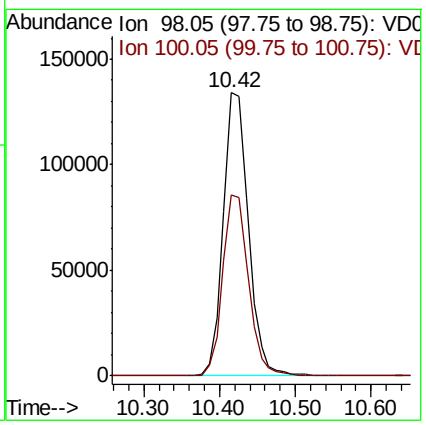


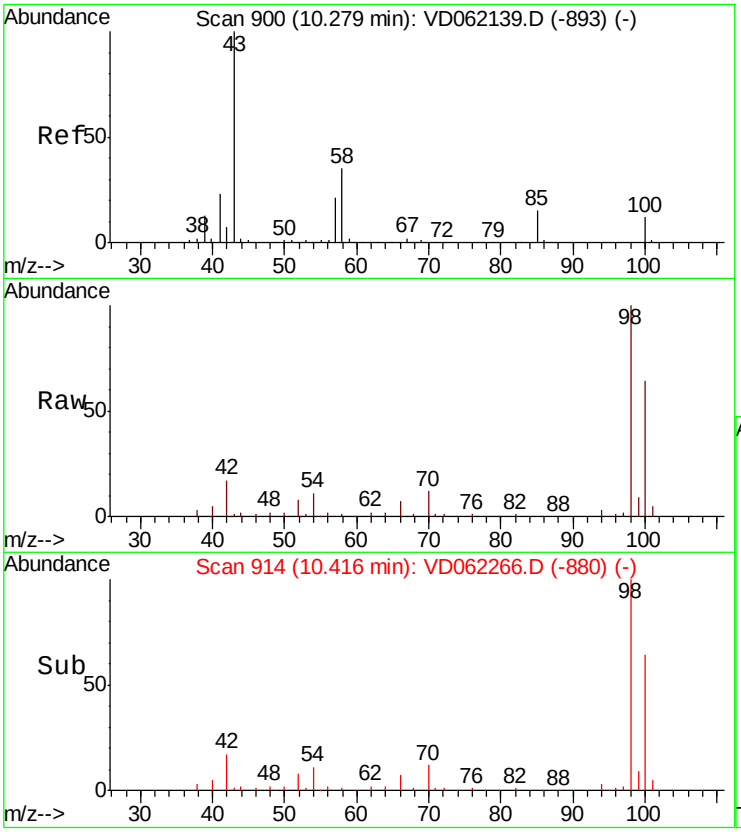




#50
Toluene-d8
Concen: 33.653 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 98 Resp: 308771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 53.8 | 80.8 |



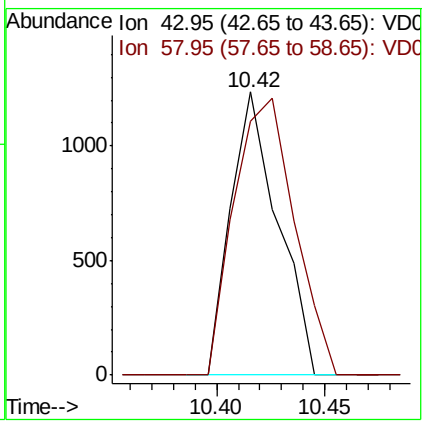


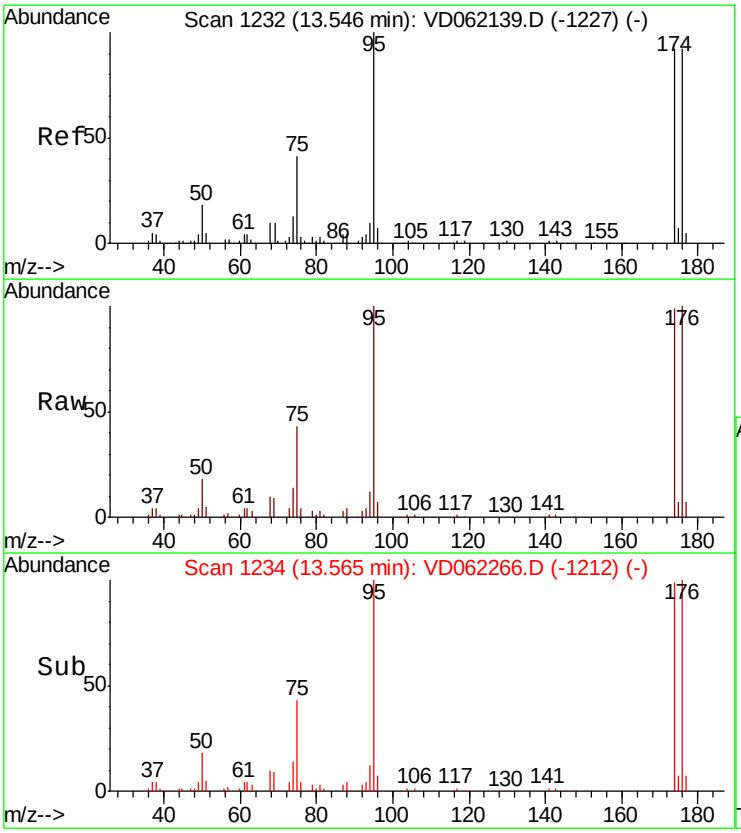

#51
4-Methyl-2-Pentanone
Concen: 1.290 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :** MSVOA_D
**ClientSampleId :** P021-SS002-0612-01

Tgt Ion: 43 Resp: 1876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 89.7 | 30.4 | 45.6# |

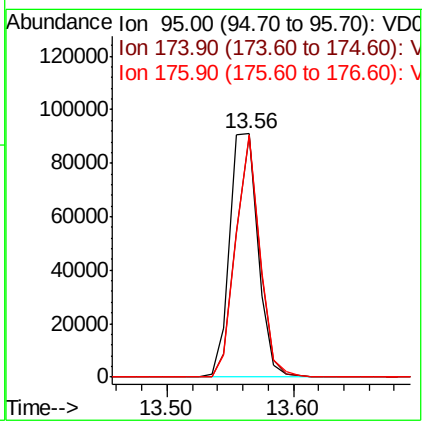


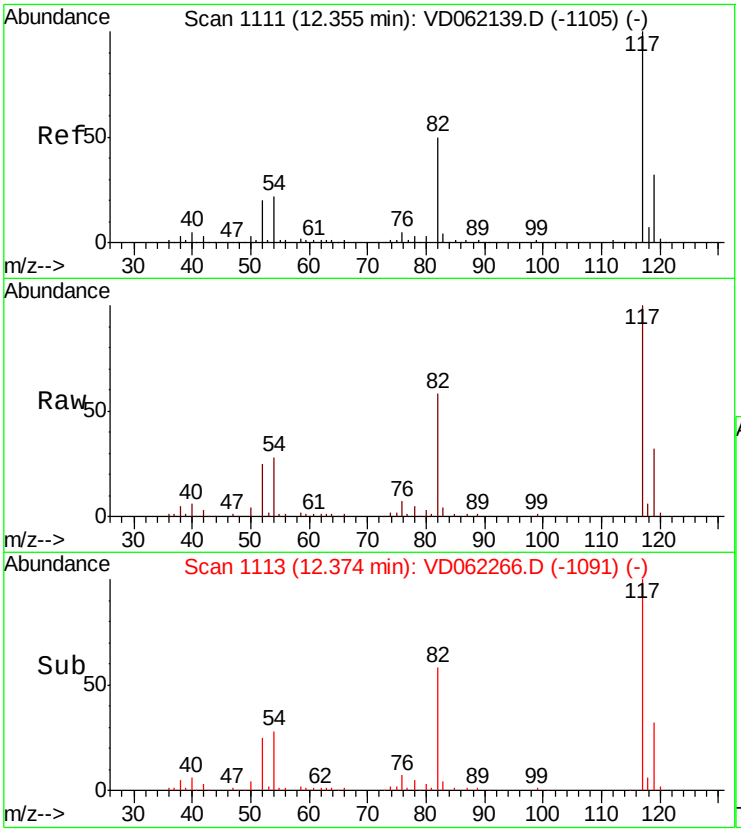




#62
4-Bromofluorobenzene
Concen: 38.147 ug/l
RT: 13.56 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 95 Resp: 140549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 98.8 | 0.0 | 181.8 |
| 176 | 99.6 | 0.0 | 174.4 |



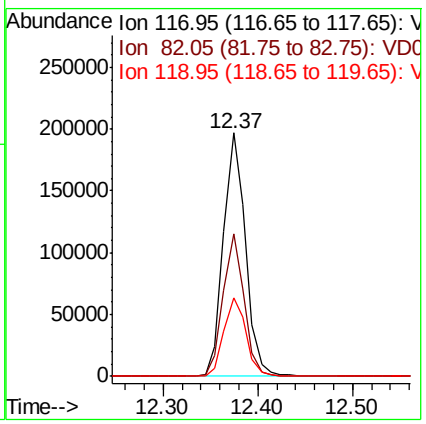


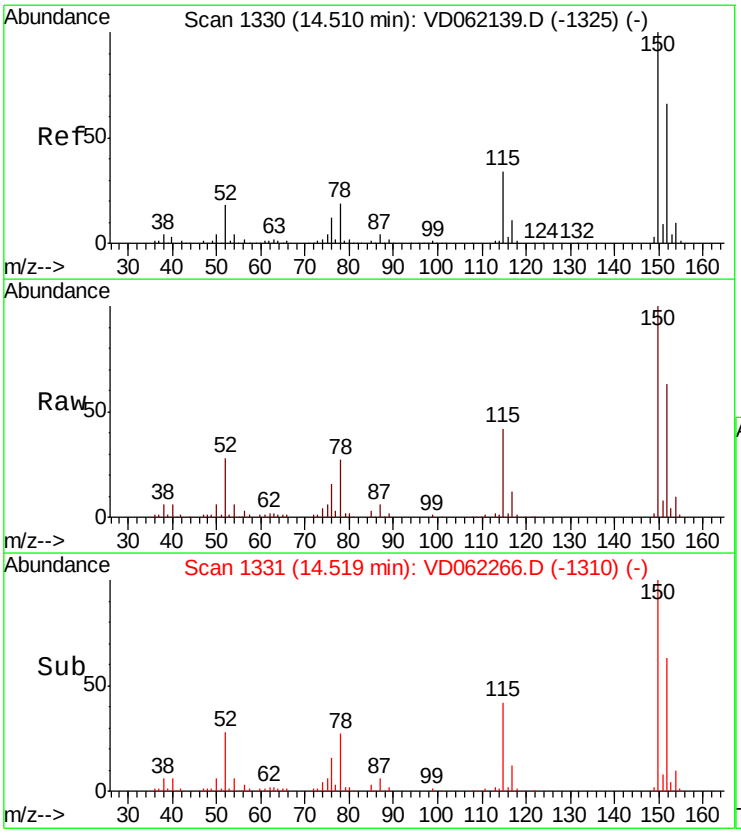

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :** MSVOA_D
**ClientSampleId :** P021-SS002-0612-01

Tgt Ion:117 Resp: 317982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.4 | 36.2 | 54.2# |
| 119 | 32.2 | 26.2 | 39.4 |

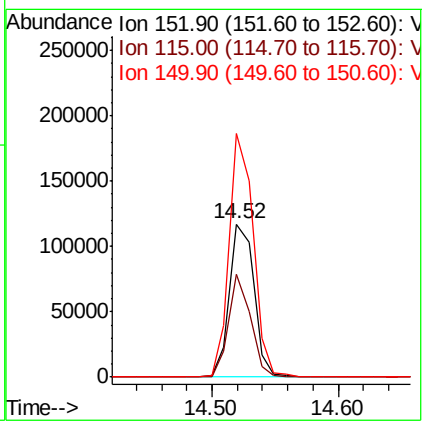


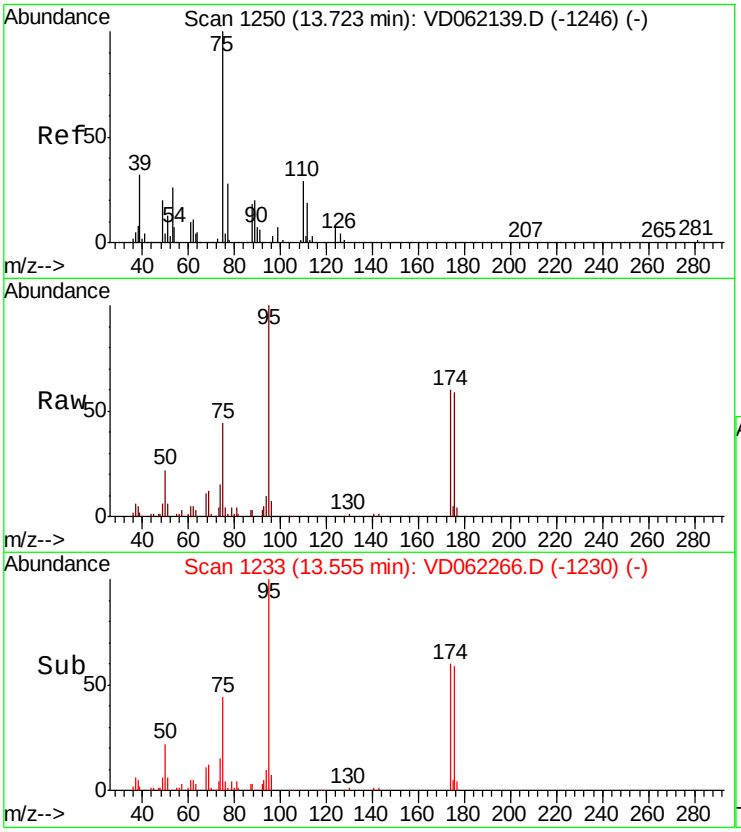




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion:152 Resp: 155973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 67.2 | 30.9 | 92.7 |
| 150 | 159.2 | 0.0 | 314.8 |



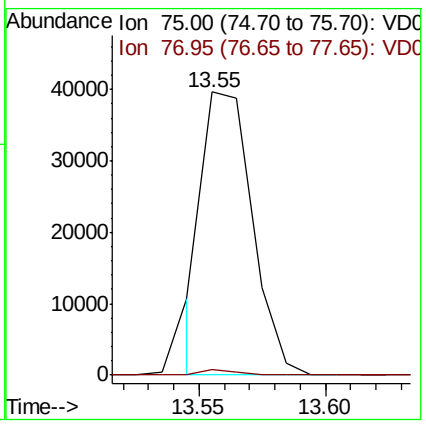


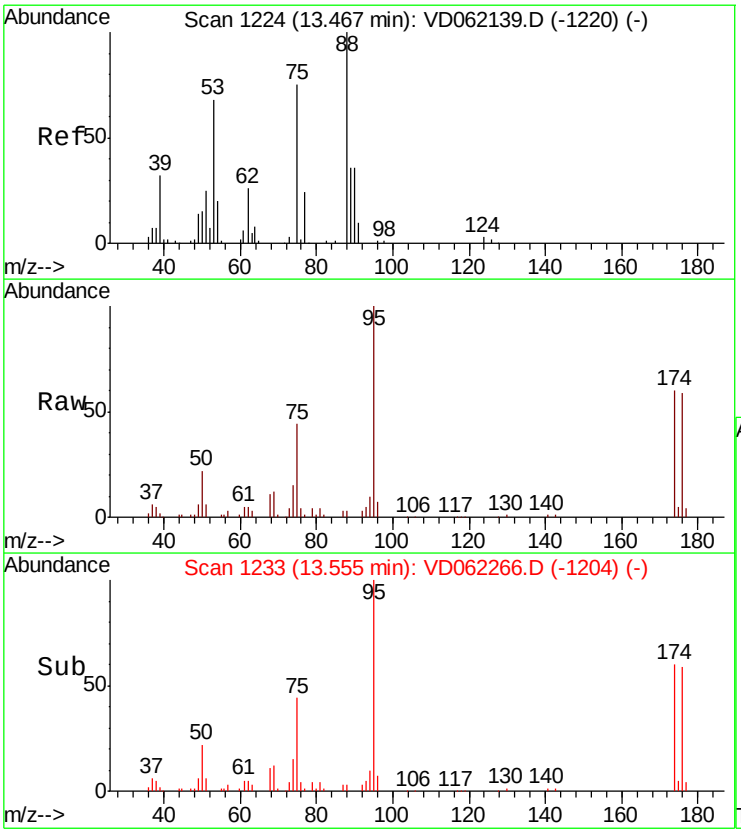

#76
1,2,3-Trichloropropane
Concen: 29.397 ug/l
RT: 13.55 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS002-0612-01

Tgt Ion: 75 Resp: 54490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.8 | 16.4 | 49.4# |




#81
trans-1,4-Dichloro-2-butene
Concen: 116.437 ug/l
RT: 13.55 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062266.D
Acq: 12 May 2019 18:32

Tgt Ion: 75 Resp: 60930

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