Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071919\
Data File : VD063160.D
Acq On : 19 Jul 2019 18:10
Operator : VA/AP
Sample : K3911-01
Misc : 4.99g/5ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** HJDC-G1

Quant Time: Jul 20 05:02:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.05 | 168 | 876600 | 50.00 | ug/l | 0.02 |
| 34) 1,4-Difluorobenzene | 8.22 | 114 | 1186711 | 50.00 | ug/l | 0.02 |
| 63) Chlorobenzene-d5 | 12.37 | 117 | 948645 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152 | 383209 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.45 | 65 | 437670 | 40.08 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 80.16% | | | |
| 35) Dibromofluoromethane | 6.92 | 113 | 406390 | 34.38 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 68.76% | | | |
| 50) Toluene-d8 | 10.41 | 98 | 911809 | 35.91 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 71.82% | | | |
| 62) 4-Bromofluorobenzene | 13.56 | 95 | 371125 | 31.60 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 63.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.58 | 85 | 470 | Below Cal | # | 43 |
| 3) Chloromethane | 1.75 | 50 | 424 | Below Cal | # | 1 |
| 5) Bromomethane | 2.16 | 94 | 2144 | Below Cal | # | 13 |
| 11) Tert butyl alcohol | 4.08 | 59 | 974 | 1.546 | ug/l # | 77 |
| 13) Acrolein | 2.99 | 56 | 291 | 1.530 | ug/l # | 8 |
| 16) Acetone | 3.22 | 43 | 32763 | 12.422 | ug/l # | 89 |
| 18) Methyl Acetate | 3.62 | 43 | 1014 | Below Cal | # | 63 |
| 31) Cyclohexane | 7.05 | 56 | 19997 | 1.924 | ug/l # | 5 |
| 36) 1,1-Dichloropropene | 7.04 | 75 | 67861 | 5.084 | ug/l # | 46 |
| 38) Carbon Tetrachloride | 7.05 | 117 | 87503 | 4.315 | ug/l # | 14 |
| 49) 1,4-Dioxane | 9.04 | 88 | 246 | 5.305 | ug/l # | 1 |
| 68) m/p-Xylenes | 12.66 | 106 | 55483 | 3.998 | ug/l | 77 |
| 69) o-Xylene | 13.06 | 106 | 18714 | 1.422 | ug/l | 95 |
| 81) trans-1,4-Dichloro-2-buten | 13.56 | 75 | 175953 | 113.347 | ug/l # | 1 |
| 84) 1,2,4-Trimethylbenzene | 14.24 | 105 | 32131 | 1.250 | ug/l | 97 |
| 95) Naphthalene | 16.13 | 128 | 38755 | 2.642 | ug/l | 96 |

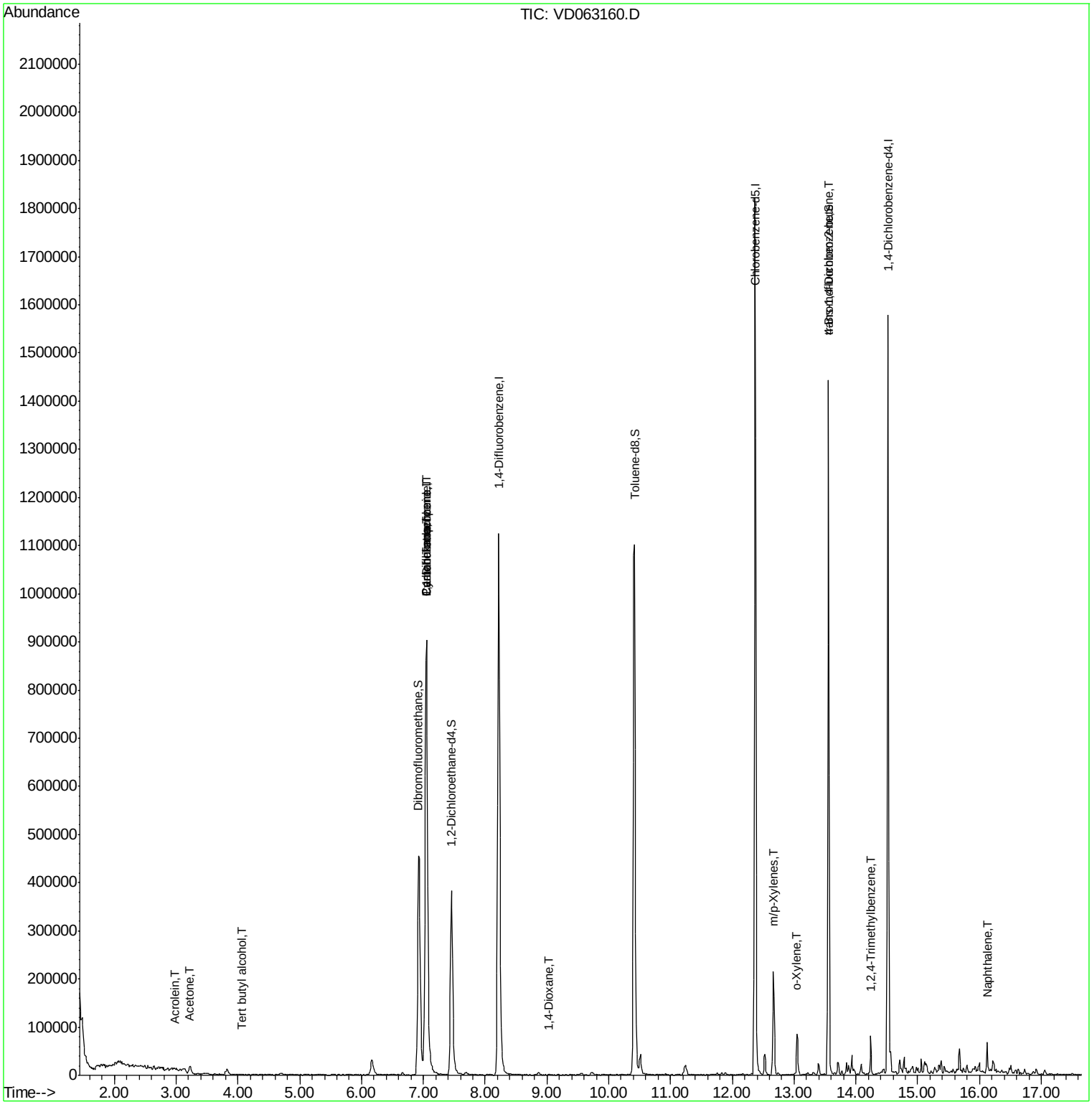
(#) = qualifier out of range (m) = manual integration (+) = signals summed

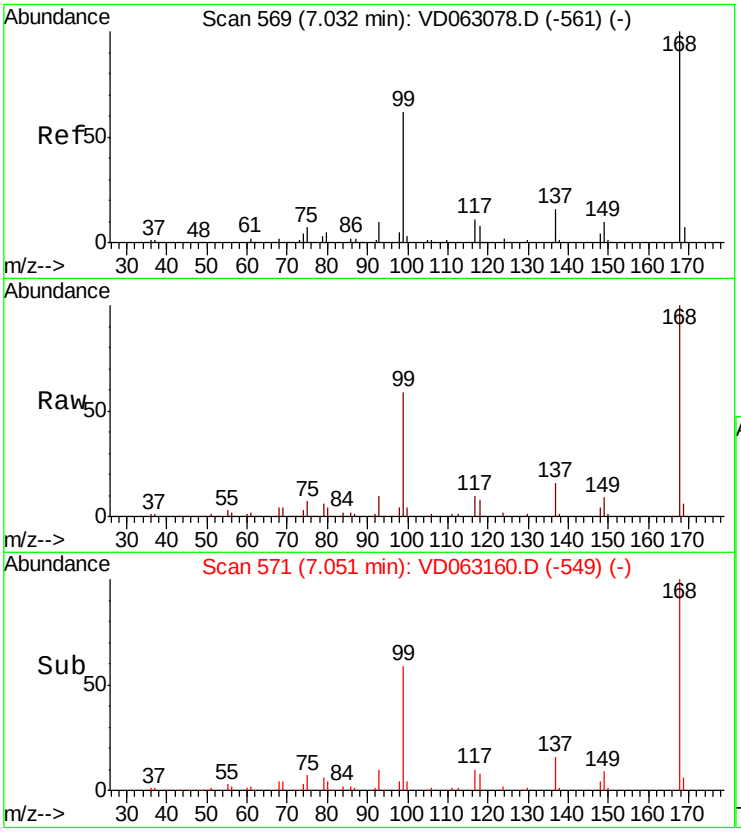
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD071919\
Data File : VD063160.D
Acq On : 19 Jul 2019 18:10
Operator : VA/AP
Sample : K3911-01
Misc : 4.99g/5ml/MSVOA_D/SOIL
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Quant Time: Jul 20 05:02:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration



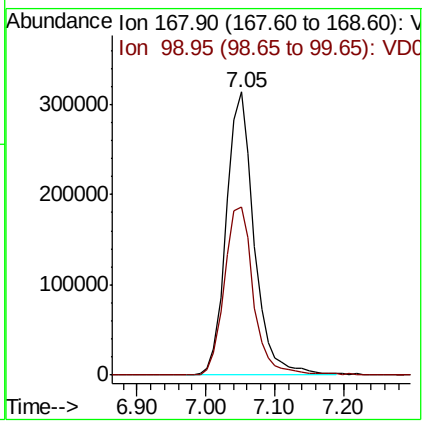


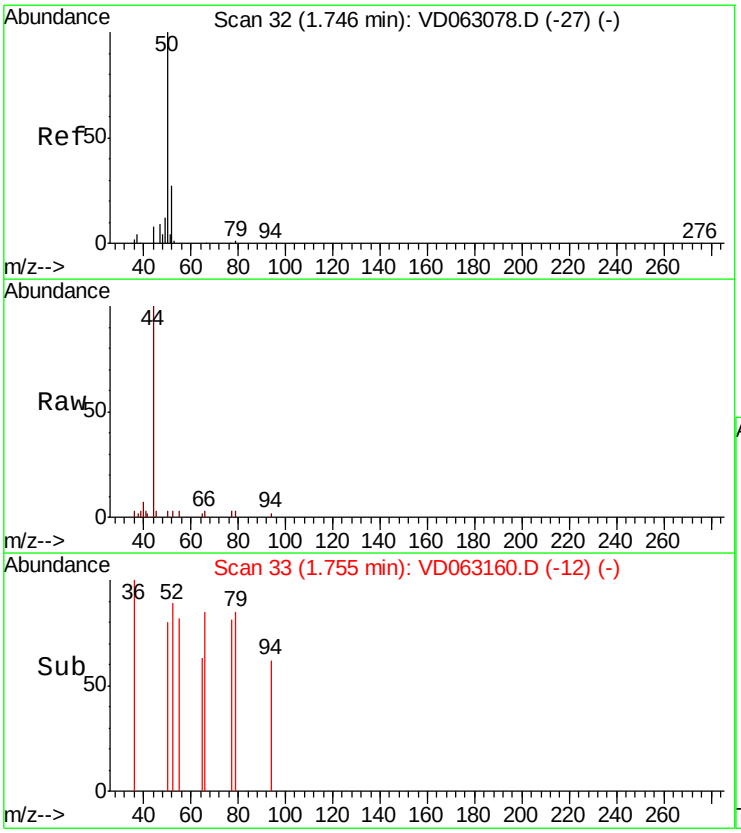

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.02 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Tgt Ion:168 Resp: 876600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.4 | 50.8 | 76.2 |

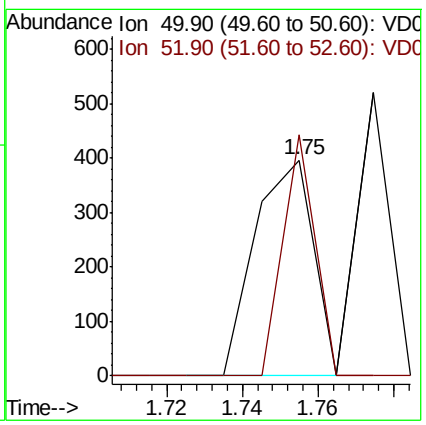


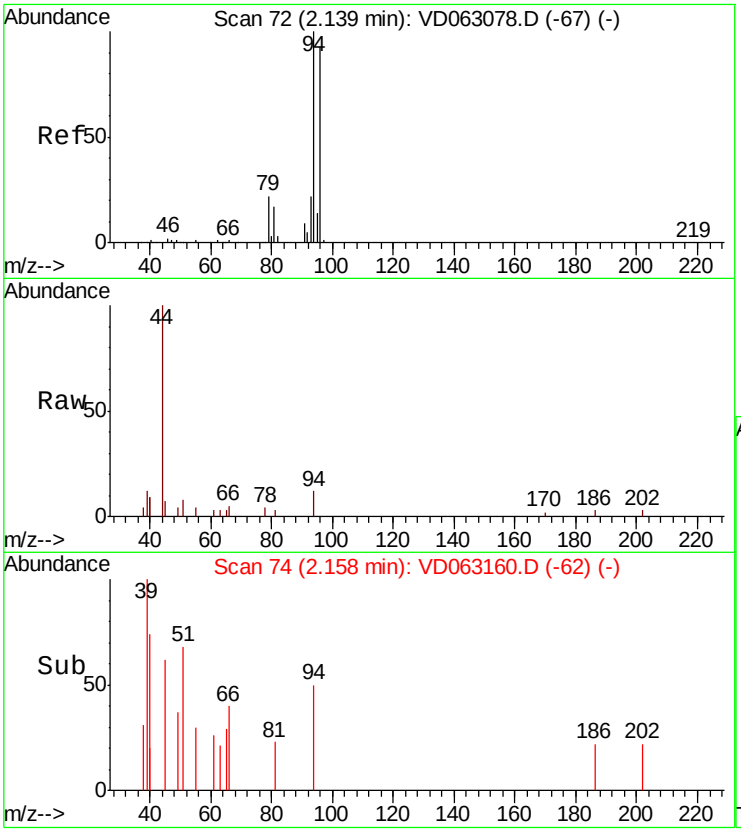




#3
Chloromethane
Concen: Below Cal
RT: 1.75 min Scan# 33
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion: 50 Resp: 424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 111.9 | 21.4 | 32.2# |



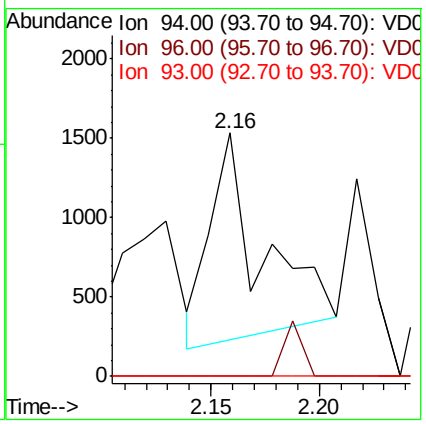


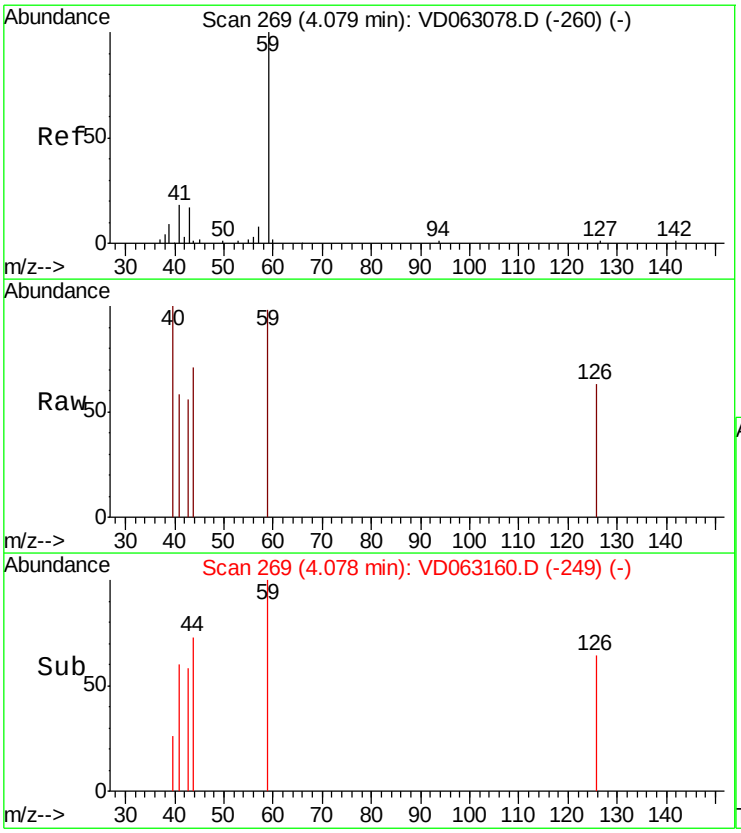

#5
Bromomethane
Concen: Below Cal
RT: 2.16 min Scan# 74
Delta R.T. 0.02 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :** MSVOA_D
**ClientSampleId :** HJDC-G1

Tgt Ion: 94 Resp: 2144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 74.2 | 111.2# |
| 93 | 0.0 | 17.8 | 26.6# |

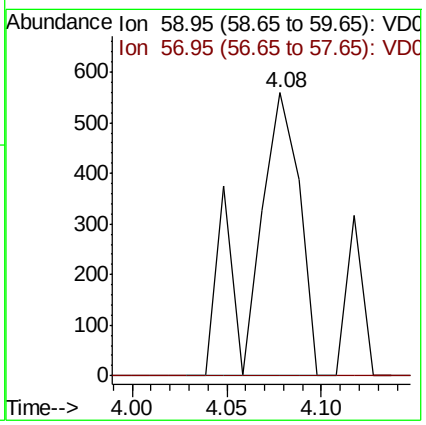


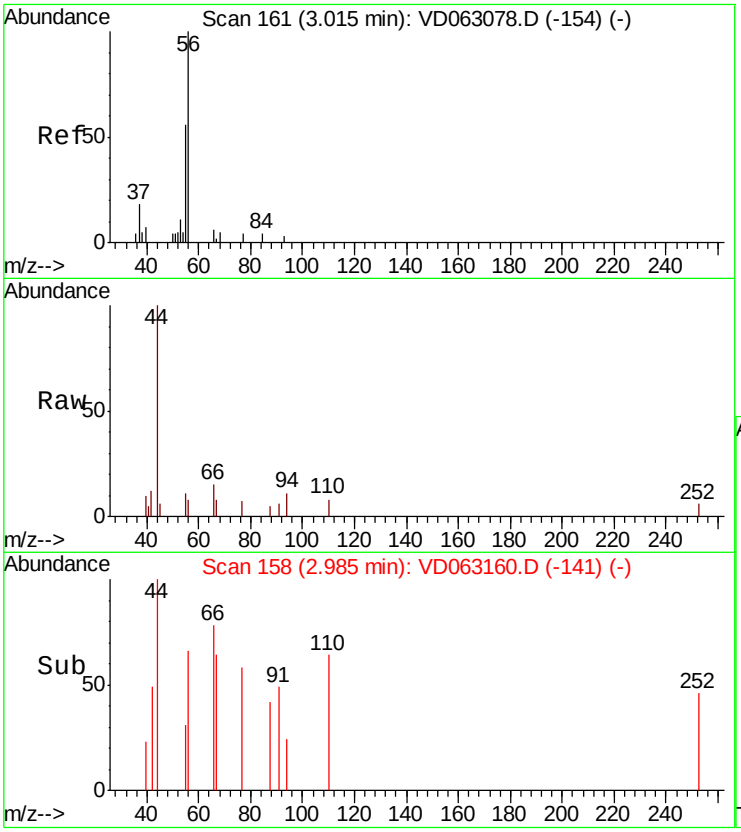




#11
Tert butyl alcohol
Concen: 1.546 ug/l
RT: 4.08 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion: 59 Resp: 974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 6.4 | 9.6# |



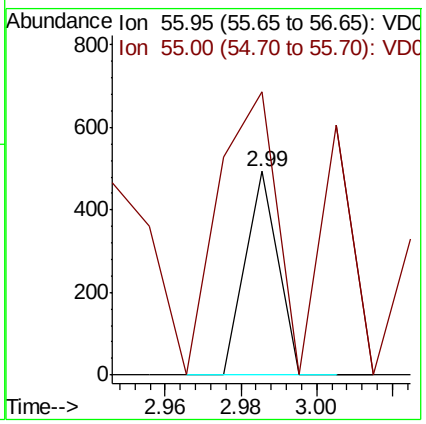


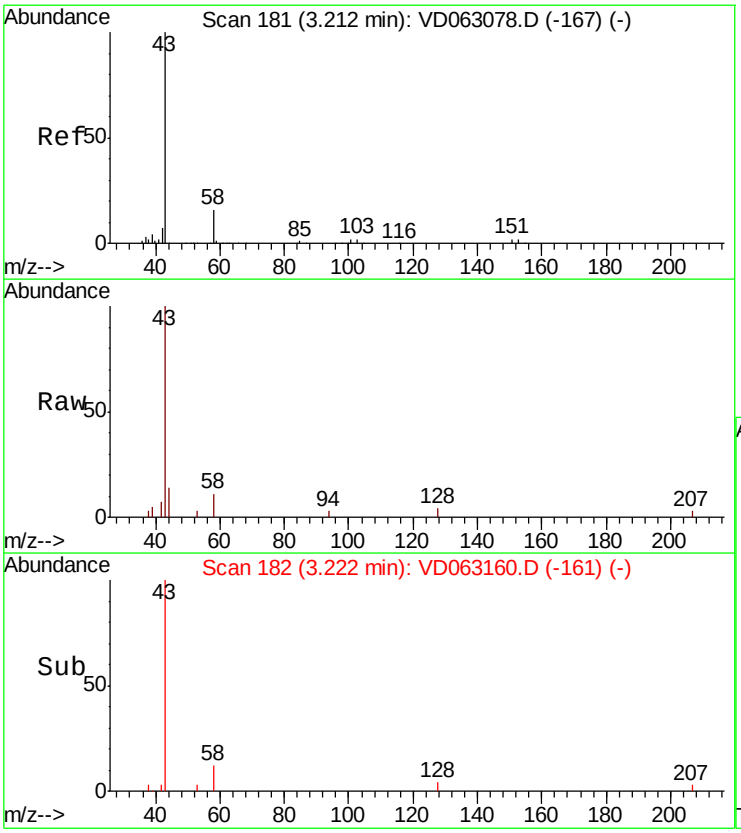

#13
Acrolein
Concen: 1.530 ug/l
RT: 2.99 min Scan# 158
Delta R.T. -0.03 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :** MSVOA_D
**ClientSampleId :** HJDC-G1

Tgt Ion: 56 Resp: 291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 139.1 | 53.0 | 79.4# |

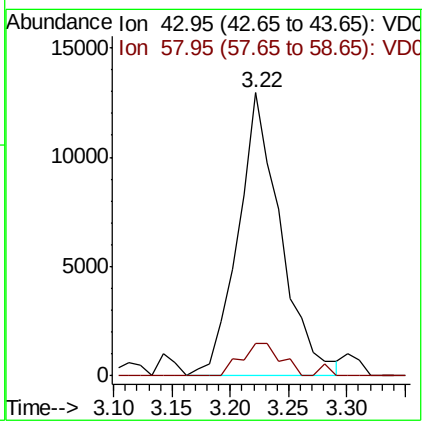


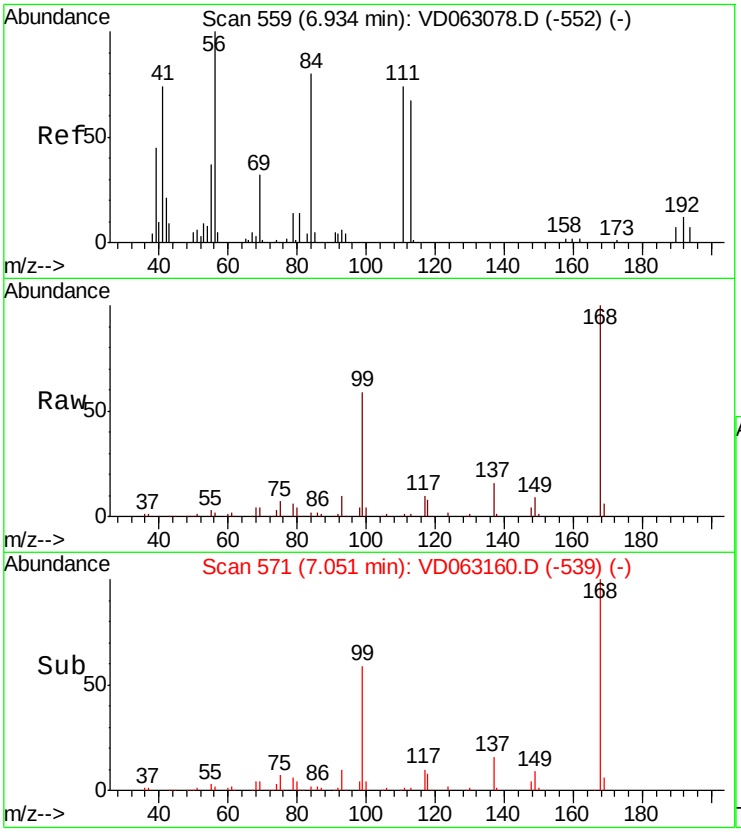




#16
Acetone
Concen: 12.422 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion: 43 Resp: 32763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.5 | 13.0 | 19.4# |



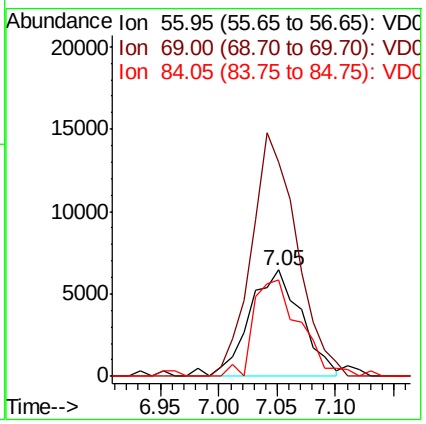


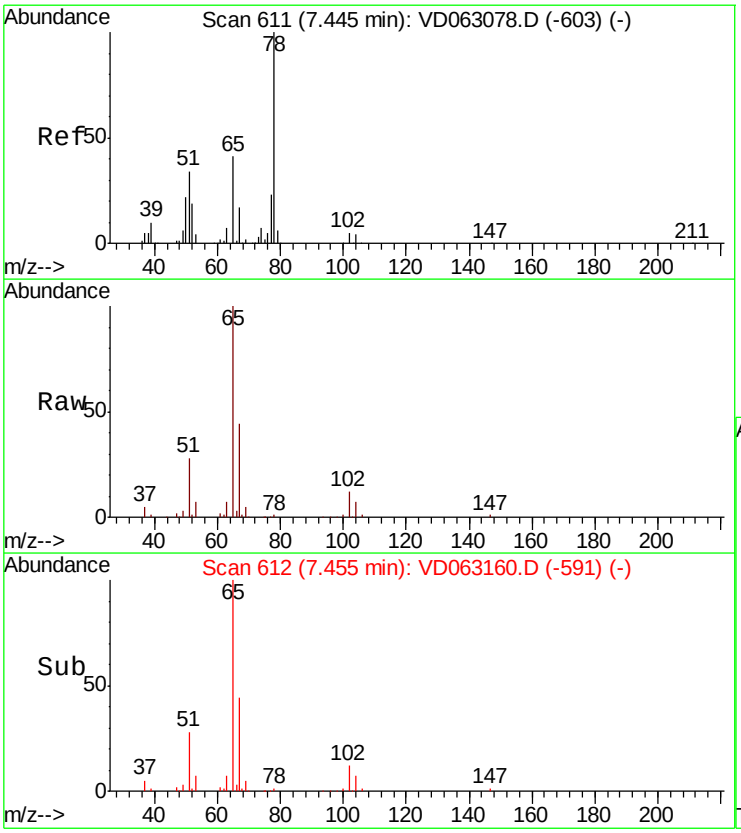

#31
Cyclohexane
Concen: 1.924 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.12 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :** MSVOA_D
**ClientSampleId :** HJDC-G1

Tgt Ion: 56 Resp: 19997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 201.6 | 25.3 | 37.9# |
| 84 | 90.6 | 64.2 | 96.4 |

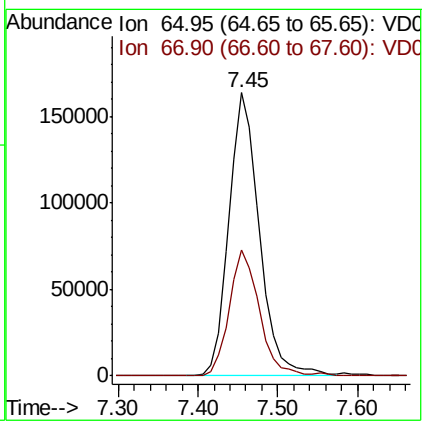


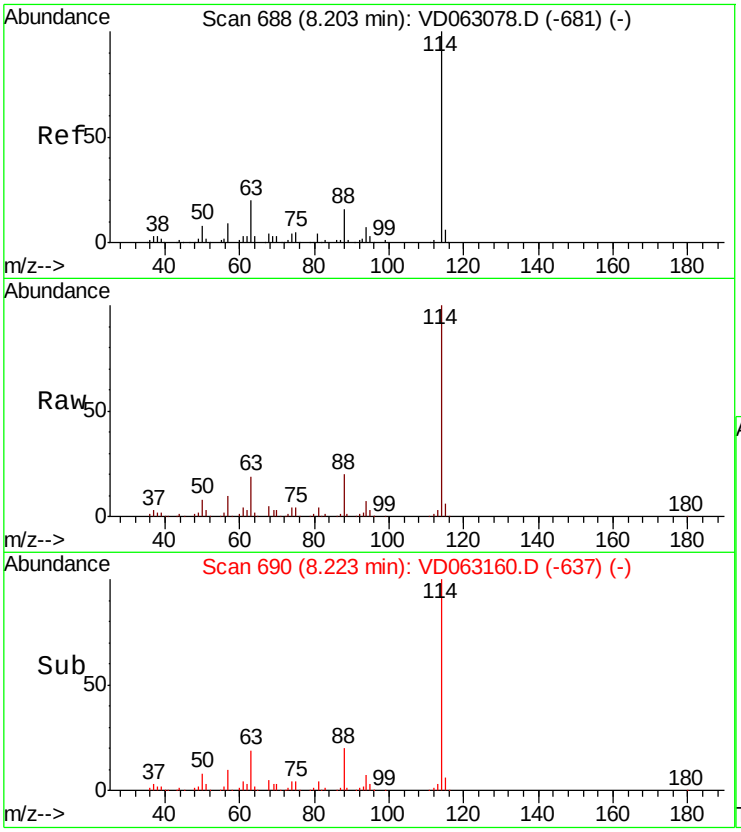




#33
1,2-Dichloroethane-d4
Concen: 40.081 ug/l
RT: 7.45 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion: 65 Resp: 437670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 44.3 | 0.0 | 86.0 |



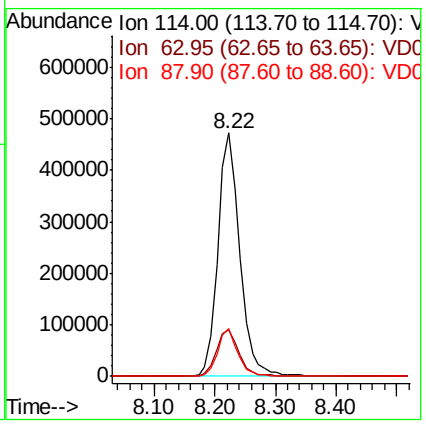


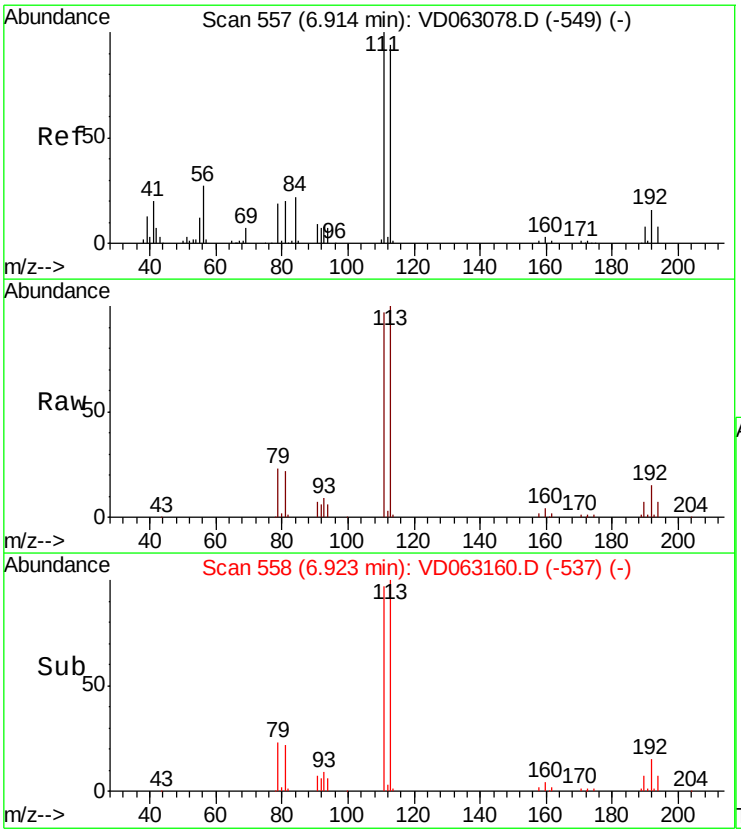

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.02 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Tgt Ion:114 Resp: 1186711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.3 | 0.0 | 40.6 |
| 88 | 19.5 | 0.0 | 40.6 |

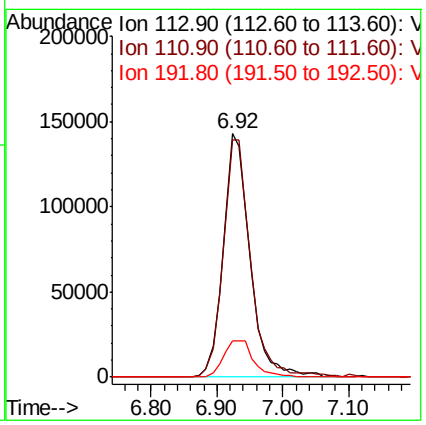


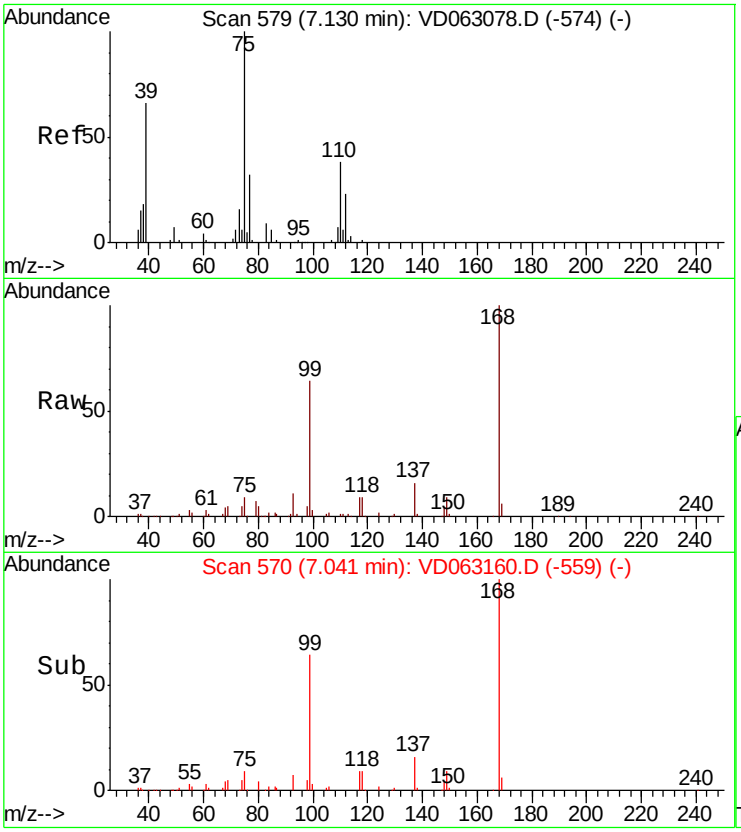




#35
Dibromofluoromethane
Concen: 34.382 ug/l
RT: 6.92 min Scan# 558
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion:113 Resp: 406390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 97.4 | 84.8 | 127.2 |
| 192 | 14.6 | 13.4 | 20.0 |



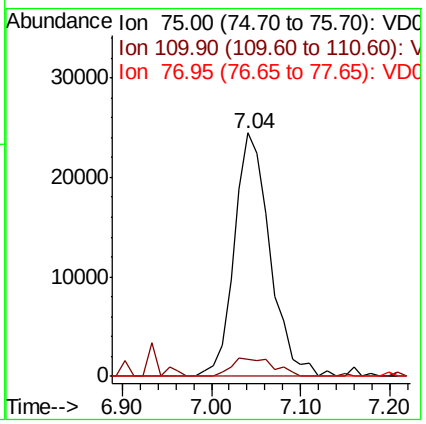


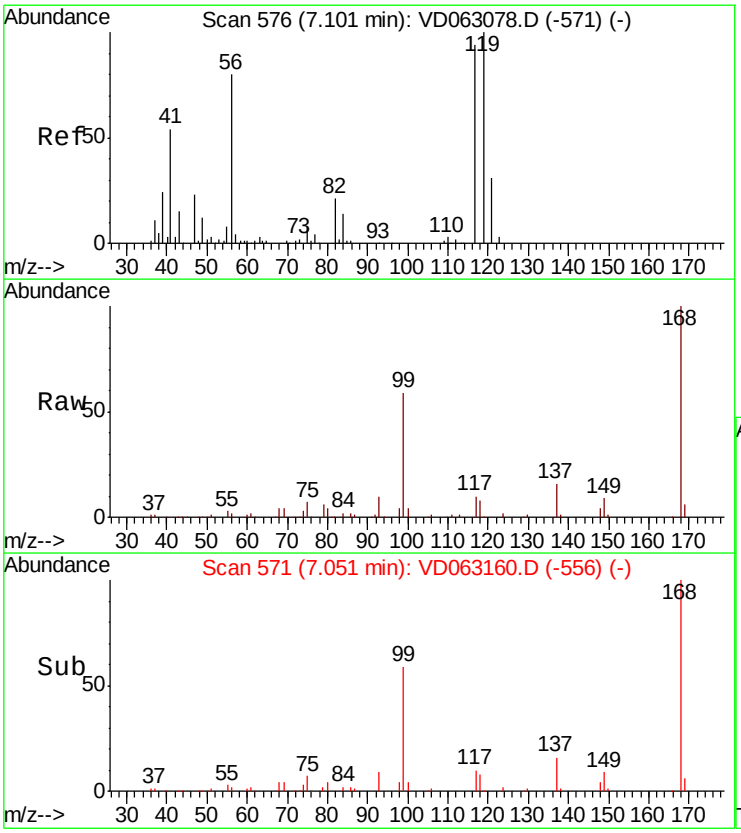

#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.09 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :** MSVOA_D
**ClientSampleId :** HJDC-G1

Tgt Ion: 75 Resp: 67861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 6.8 | 18.9 | 56.5# |
| 77 | 0.0 | 25.2 | 37.8# |

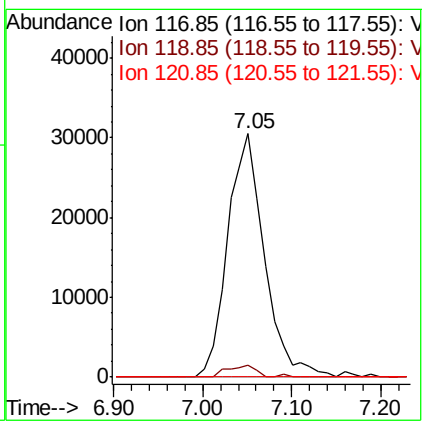


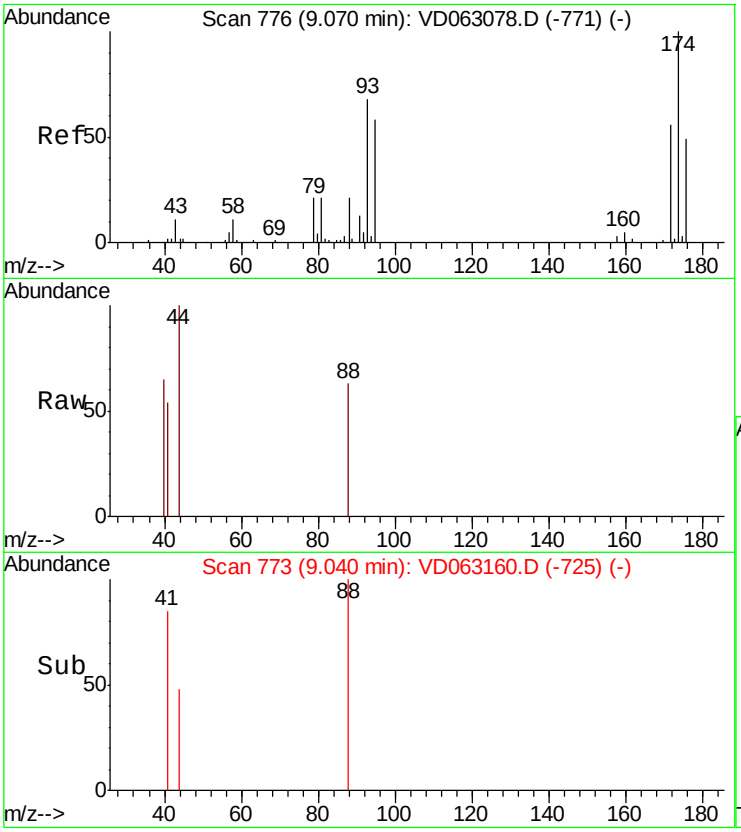




#38
Carbon Tetrachloride
Concen: 4.315 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion:117 Resp: 87503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 4.9 | 80.0 | 120.0# |
| 121 | 0.0 | 25.0 | 37.4# |



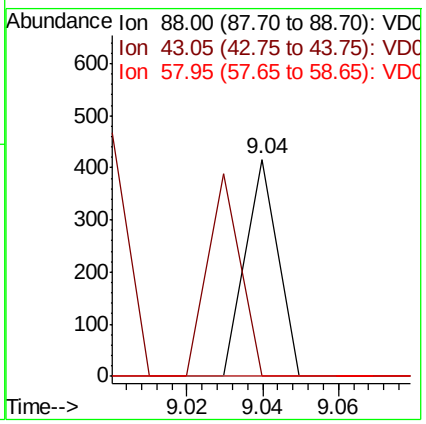


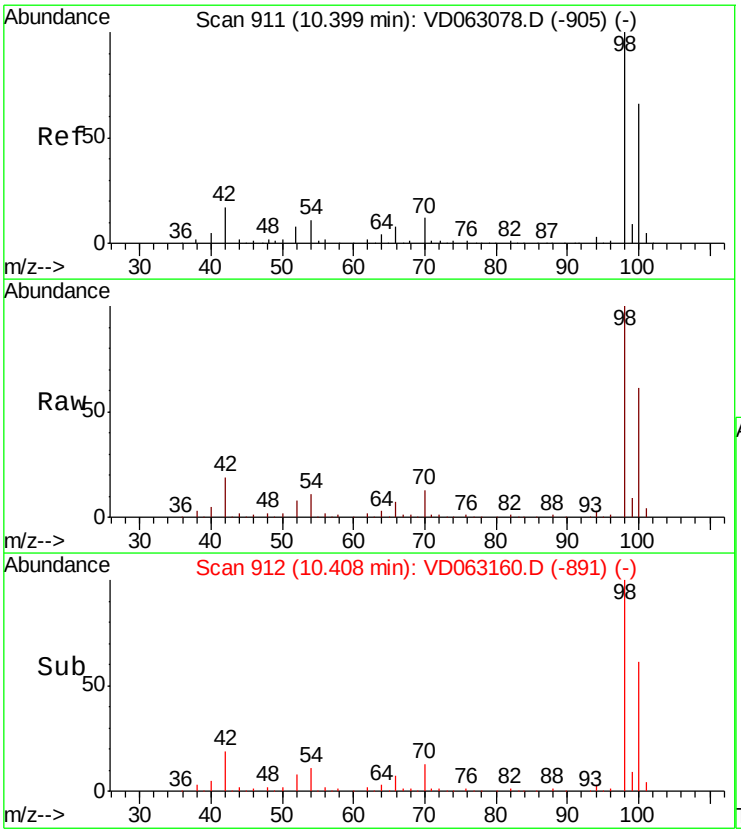

#49
1,4-Dioxane
Concen: 5.305 ug/l
RT: 9.04 min Scan# 773
Delta R.T. -0.03 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :** MSVOA_D
**ClientSampleId :** HJDC-G1

Tgt Ion: 88 Resp: 246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 157.6 | 40.2 | 60.4# |
| 58 | 0.0 | 41.6 | 62.4# |

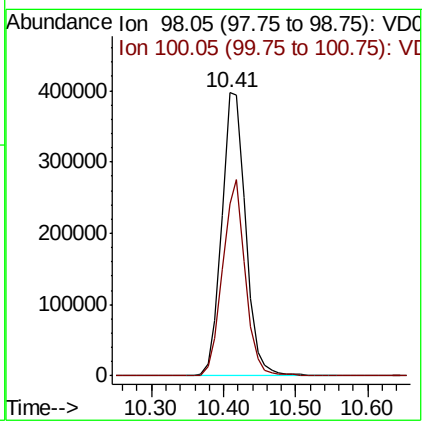


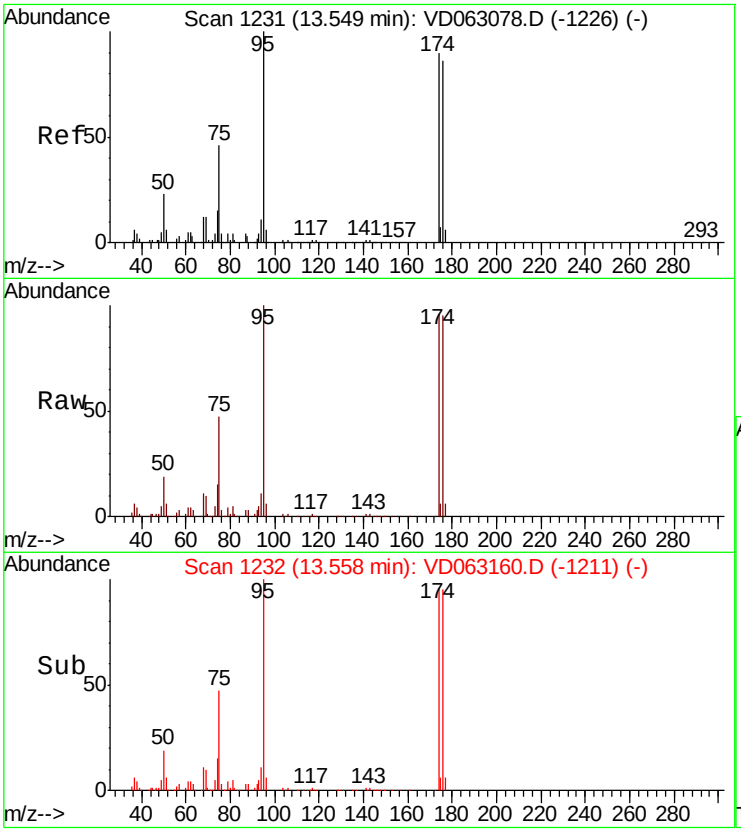




#50
Toluene-d8
Concen: 35.913 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion: 98 Resp: 911809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 60.8 | 53.5 | 80.3 |



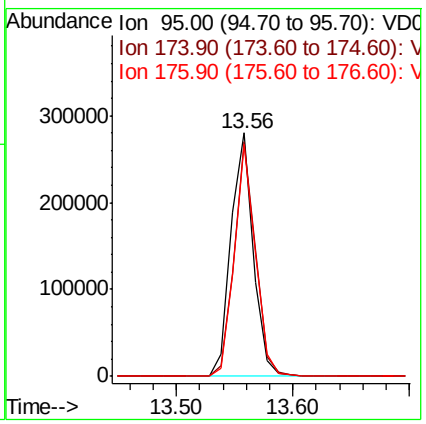


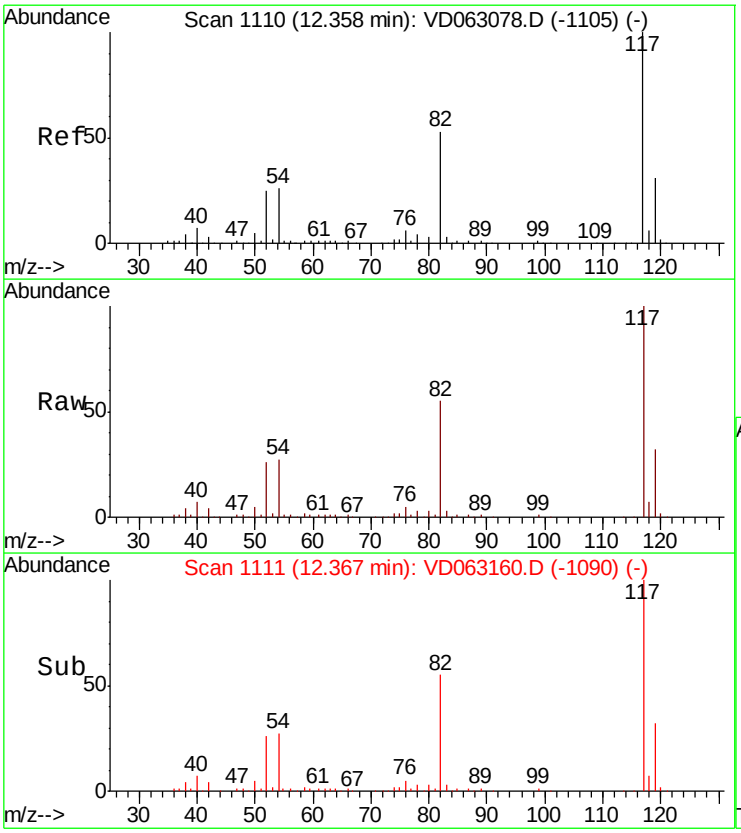

#62
4-Bromofluorobenzene
Concen: 31.596 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Tgt Ion: 95 Resp: 371125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 96.3 | 0.0 | 180.6 |
| 176 | 95.2 | 0.0 | 172.2 |

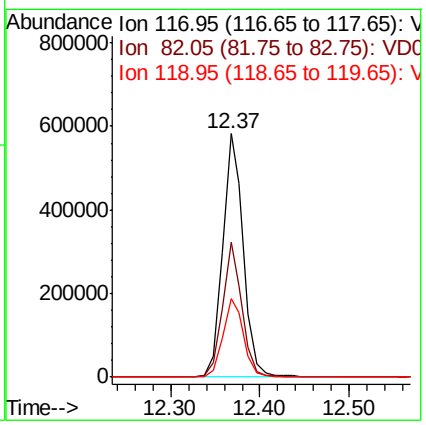


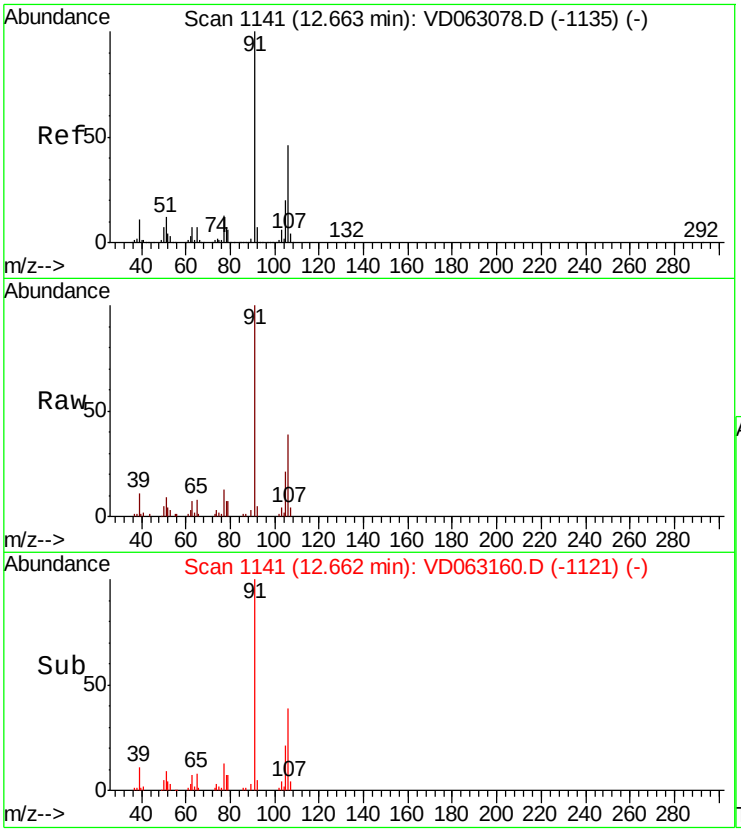




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion:117 Resp: 948645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 42.3 | 63.5 |
| 119 | 32.1 | 25.2 | 37.8 |



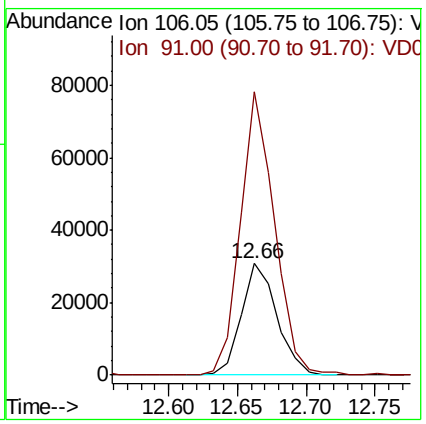


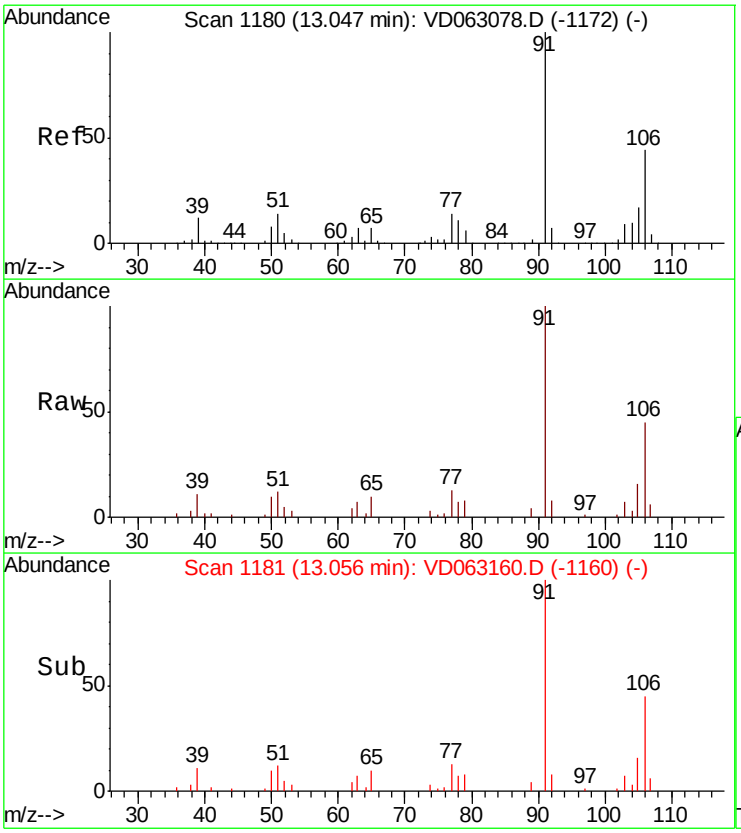

#68
m/p-Xylenes
Concen: 3.998 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Tgt Ion:106 Resp: 55483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 253.5 | 173.0 | 259.6 |

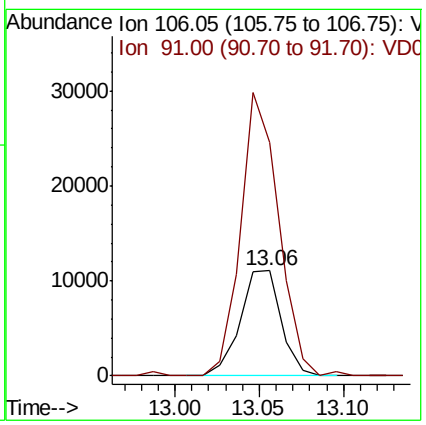


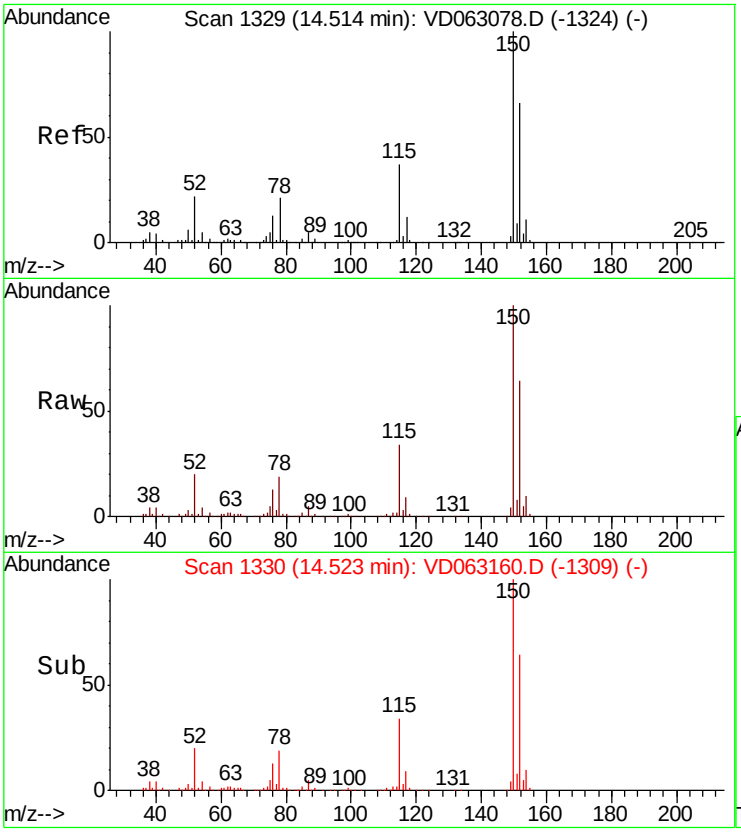




#69
o-Xylene
Concen: 1.422 ug/l
RT: 13.06 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion:106 Resp: 18714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.6 | 114.9 | 344.7 |



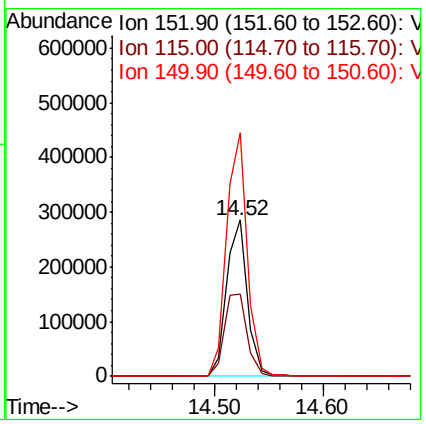


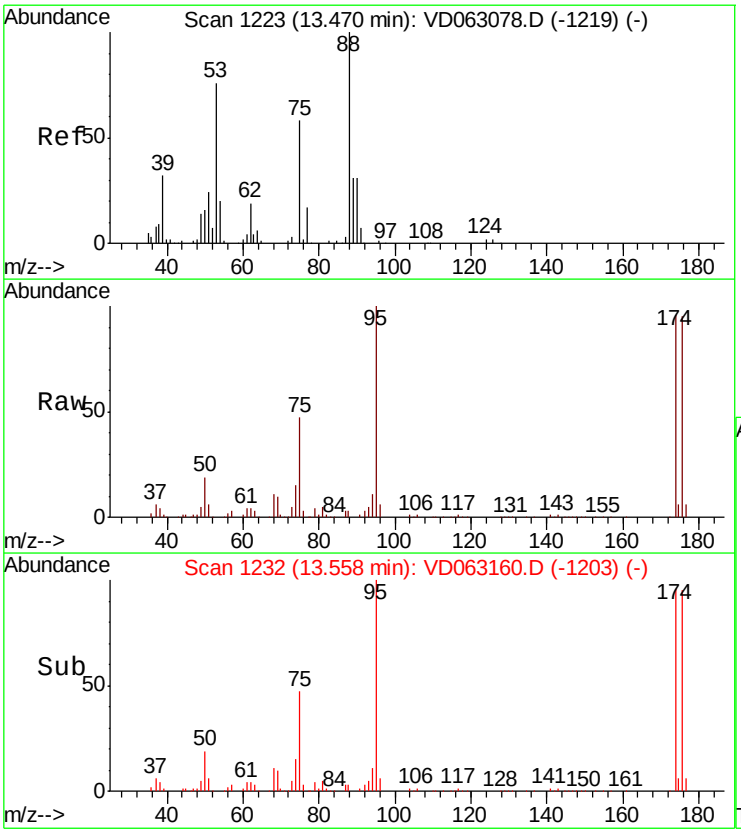

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Tgt Ion:152 Resp: 383209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 53.0 | 28.9 | 86.8 |
| 150 | 155.7 | 0.0 | 313.8 |

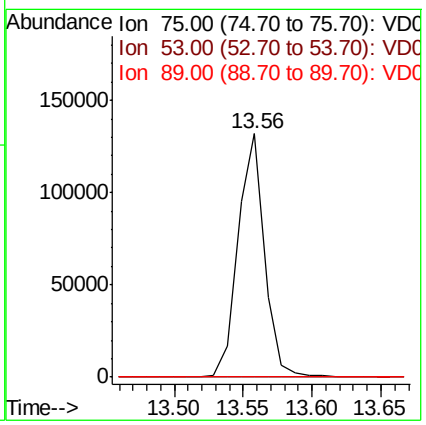


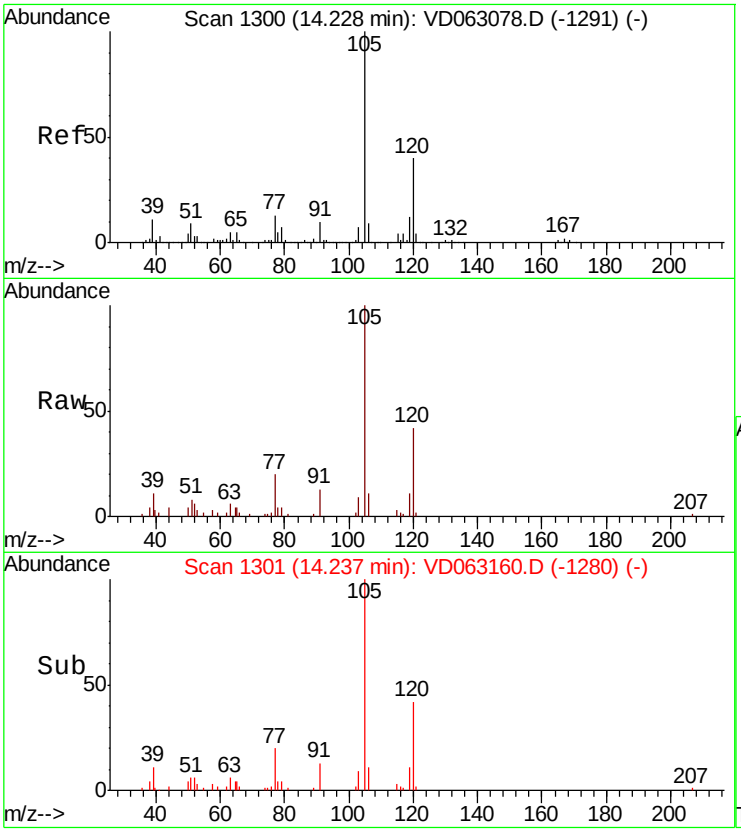




#81
trans-1,4-Dichloro-2-butene
Concen: 113.347 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.09 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion: 75 Resp: 175953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 104.4 | 156.6# |
| 89 | 0.0 | 43.1 | 64.7# |



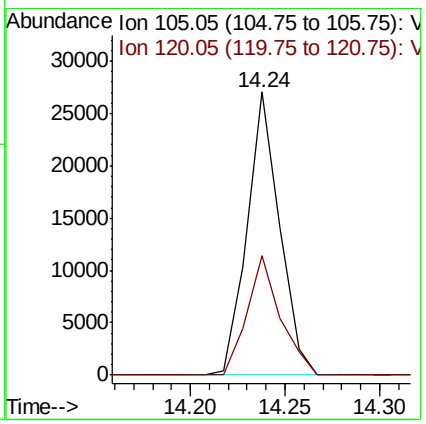


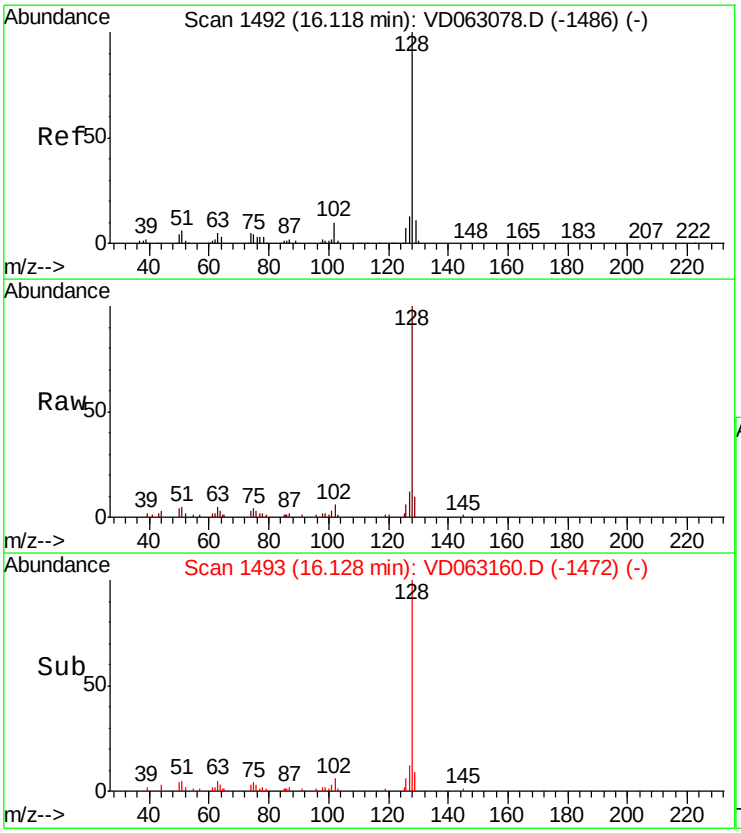

#84
1,2,4-Trimethylbenzene
Concen: 1.250 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

**Instrument :**
MSVOA_D
**ClientSampleId :**
HJDC-G1

Tgt Ion:105 Resp: 32131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.3 | 20.2 | 60.6 |




#95
Naphthalene
Concen: 2.642 ug/l
RT: 16.13 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD063160.D
Acq: 19 Jul 2019 18:10

Tgt Ion:128 Resp: 38755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.0 | 10.7 | 16.1 |
| 129 | 9.5 | 8.7 | 13.1 |