Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
Data File : VD062651.D
Acq On : 10 Jun 2019 14:11
Operator : VA/AP
Sample : K3265-07
Misc : 5.06g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Quant Time: Jun 11 03:56:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.05 | 168 | 1336 | 50.00 | ug/l | | 0.01 |
| 34) 1,4-Difluorobenzene | 8.22 | 114 | 194 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 12.37 | 117 | 503 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152 | 1579 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 0.00 | 65 | 0 | 0.00 | ug/l | | |
| Spiked Amount 50.000 | | | Recovery = 0.00% | | | | |
| 35) Dibromofluoromethane | 0.00 | 113 | 0 | 0.00 | ug/l | | |
| Spiked Amount 50.000 | | | Recovery = 0.00% | | | | |
| 50) Toluene-d8 | 10.40 | 98 | 675 | 156.83 | ug/l | | -0.01 |
| Spiked Amount 50.000 | | | Recovery = 313.66% | | | | |
| 62) 4-Bromofluorobenzene | 13.55 | 95 | 883 | 439.74 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 879.48% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.58 | 85 | 813 | 52.471 | ug/l | | 77 |
| 3) Chloromethane | 1.73 | 50 | 233 | 17.626 | ug/l | # | 42 |
| 5) Bromomethane | 2.19 | 94 | 728 | 105.803 | ug/l | # | 1 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.14 | 101 | 241 | 14.646 | ug/l | # | 23 |
| 13) Acrolein | 3.05 | 56 | 305 | 1196.532 | ug/l | | 87 |
| 14) Allyl chloride | 3.48 | 41 | 187 | 10.299 | ug/l | # | 1 |
| 16) Acetone | 3.21 | 43 | 65703 | 18611.811 | ug/l | # | 89 |
| 17) Carbon Disulfide | 3.37 | 76 | 9184 | 263.927 | ug/l | # | 76 |
| 18) Methyl Acetate | 3.66 | 43 | 1135 | 195.637 | ug/l | # | 64 |
| 20) Methylene Chloride | 3.81 | 84 | 8080 | 610.744 | ug/l | # | 81 |
| 23) Vinyl Acetate | 4.93 | 43 | 204 | 8.722 | ug/l | # | 81 |
| 25) 2-Butanone | 6.08 | 43 | 9521 | 2764.527 | ug/l | # | 61 |
| 29) Tetrahydrofuran | 6.06 | 42 | 347 | 223.736 | ug/l | # | 1 |
| 31) Cyclohexane | 6.96 | 56 | 210 | 13.803 | ug/l | # | 13 |
| 36) 1,1-Dichloropropene | 7.18 | 75 | 197 | 88.726 | ug/l | # | 44 |
| 37) Ethyl Acetate | 6.08 | 43 | 9522 | 9817.668 | ug/l | # | 74 |
| 39) Methylcyclohexane | 8.87 | 83 | 810 | 451.446 | ug/l | # | 51 |
| 40) Benzene | 7.44 | 78 | 14344 | 3308.069 | ug/l | | 98 |
| 43) Isopropyl Acetate | 9.31 | 43 | 280 | 239.002 | ug/l | # | 52 |
| 48) Methyl methacrylate | 9.15 | 41 | 178 | 210.309 | ug/l | # | 19 |
| 51) 4-Methyl-2-Pentanone | 10.41 | 43 | 301 | 367.185 | ug/l | # | 42 |
| 52) Toluene | 10.51 | 92 | 5638 | 1934.367 | ug/l | # | 63 |
| 55) 1,1,2-Trichloroethane | 11.09 | 97 | 432 | 432.193 | ug/l | # | 17 |
| 59) 2-Hexanone | 11.54 | 43 | 378 | 619.896 | ug/l | # | 32 |
| 65) Chlorobenzene | 12.40 | 112 | 550 | 49.433 | ug/l | # | 42 |
| 67) Ethyl Benzene | 12.51 | 91 | 102071 | 5174.250 | ug/l | | 95 |
| 68) m/p-Xylenes | 12.67 | 106 | 13088 | 1887.219 | ug/l | | 80 |
| 69) o-Xylene | 13.05 | 106 | 8480 | 1331.409 | ug/l | | 90 |
| 70) Styrene | 13.07 | 104 | 4512 | 397.028 | ug/l | # | 78 |
| 73) Isopropylbenzene | 13.40 | 105 | 48905 | 439.416 | ug/l | | 97 |
| 74) N-amyl acetate | 13.29 | 43 | 878 | 29.190 | ug/l | # | 31 |
| 75) 1,1,2,2-Tetrachloroethane | 13.70 | 83 | 293 | 15.386 | ug/l | # | 27 |
| 76) 1,2,3-Trichloropropane | 13.71 | 75 | 328 | 15.320 | ug/l | # | 42 |
| 77) Bromobenzene | 13.67 | 156 | 279 | 8.771 | ug/l | # | 34 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
Data File : VD062651.D
Acq On : 10 Jun 2019 14:11
Operator : VA/AP
Sample : K3265-07
Misc : 5.06g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Quant Time: Jun 11 03:56:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 78) n-propylbenzene | 13.76 | 91 | 43671 | 320.561 | ug/l | | 90 |
| 79) 2-Chlorotoluene | 13.87 | 91 | 6997 | 87.718 | ug/l | # | 43 |
| 80) 1,3,5-Trimethylbenzene | 13.93 | 105 | 32251 | 327.881 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-buten | 13.39 | 75 | 633 | 95.827 | ug/l | # | 32 |
| 82) 4-Chlorotoluene | 13.93 | 91 | 6122 | 64.177 | ug/l | # | 43 |
| 83) tert-Butylbenzene | 14.19 | 119 | 1078 | 9.937 | ug/l | # | 82 |
| 84) 1,2,4-Trimethylbenzene | 14.24 | 105 | 97910 | 1005.345 | ug/l | | 98 |
| 85) sec-Butylbenzene | 14.36 | 105 | 4602 | 40.453 | ug/l | | 89 |
| 86) p-Isopropyltoluene | 14.49 | 119 | 2719 | 24.548 | ug/l | # | 10 |
| 87) 1,3-Dichlorobenzene | 14.53 | 146 | 779 | 13.518 | ug/l | | 79 |
| 88) 1,4-Dichlorobenzene | 14.53 | 146 | 779 | 14.304 | ug/l | | 78 |
| 89) n-Butylbenzene | 14.79 | 91 | 12809 | 128.547 | ug/l | # | 88 |
| 90) Hexachloroethane | 14.98 | 117 | 8013 | 274.037 | ug/l | # | 8 |
| 91) 1,2-Dichlorobenzene | 14.81 | 146 | 1069 | 22.316 | ug/l | # | 46 |
| 92) 1,2-Dibromo-3-Chloropropan | 15.34 | 75 | 211 | 51.871 | ug/l | # | 17 |
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180 | 513 | 15.291 | ug/l | # | 44 |
| 94) Hexachlorobutadiene | 16.04 | 225 | 603 | 21.321 | ug/l | # | 19 |
| 95) Naphthalene | 16.12 | 128 | 447808 | 7280.237 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 16.26 | 180 | 315 | 11.416 | ug/l | # | 32 |

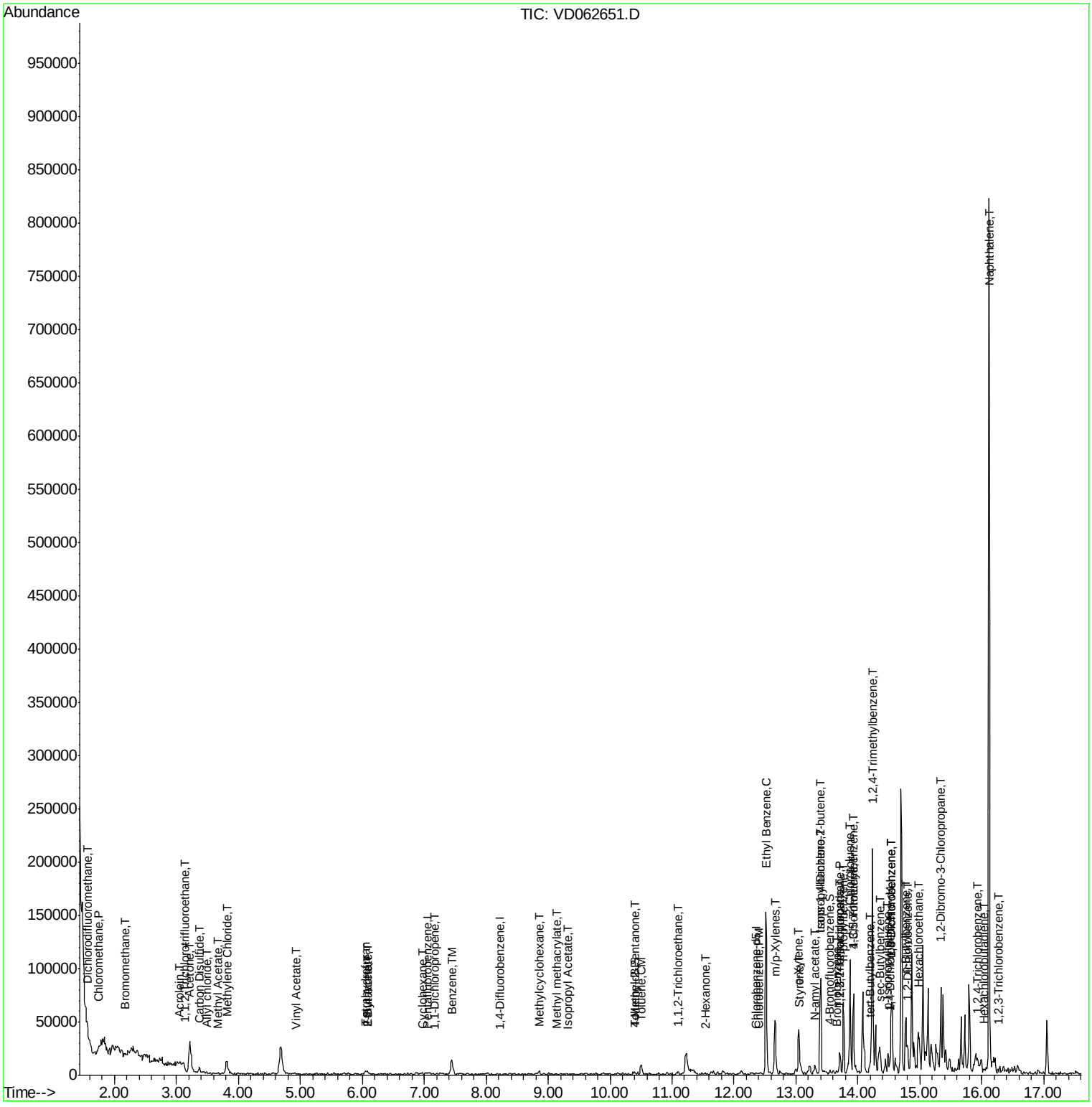
(#) = qualifier out of range (m) = manual integration (+) = signals summed

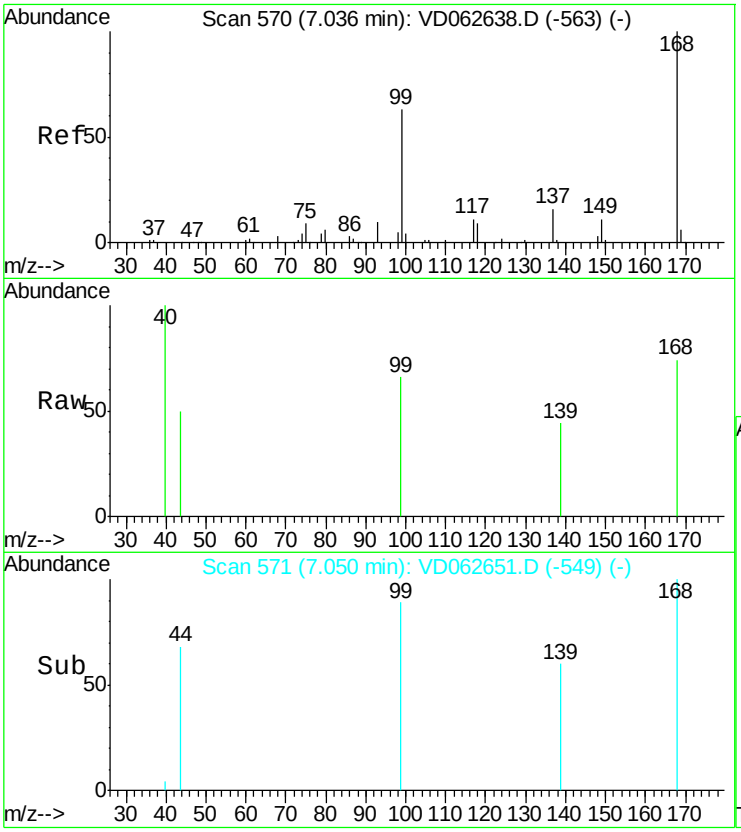
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061019\
Data File : VD062651.D
Acq On : 10 Jun 2019 14:11
Operator : VA/AP
Sample : K3265-07
Misc : 5.06g/5ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Quant Time: Jun 11 03:56:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration



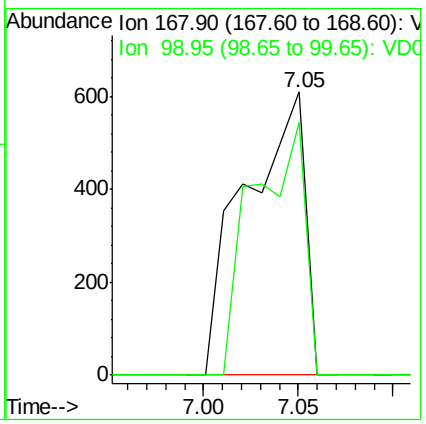


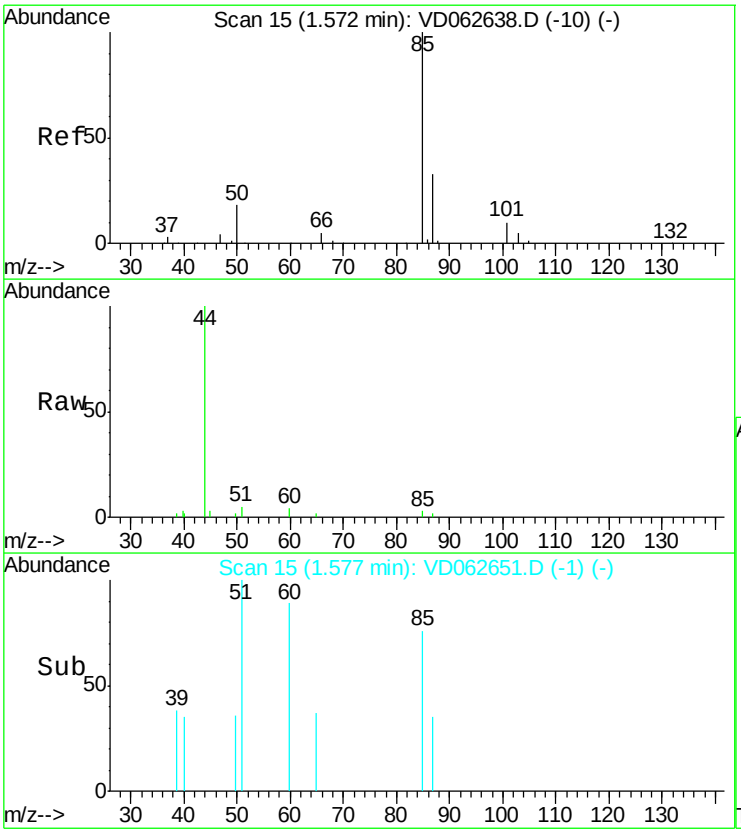

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:168 Resp: 1336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 89.5 | 51.4 | 77.2# |

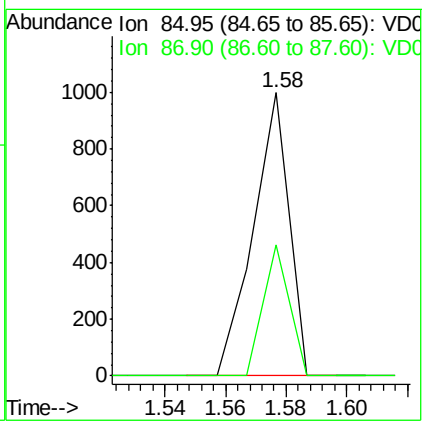


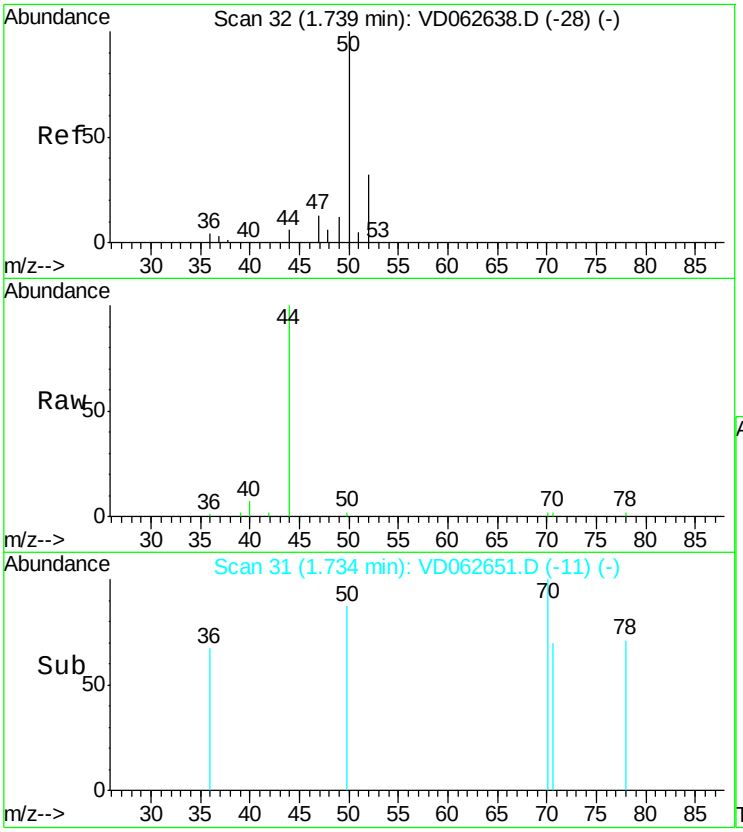




#2
Dichlorodifluoromethane
Concen: 52.471 ug/l
RT: 1.58 min Scan# 15
Delta R.T. 0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 85 Resp: 813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 46.2 | 16.6 | 49.7 |



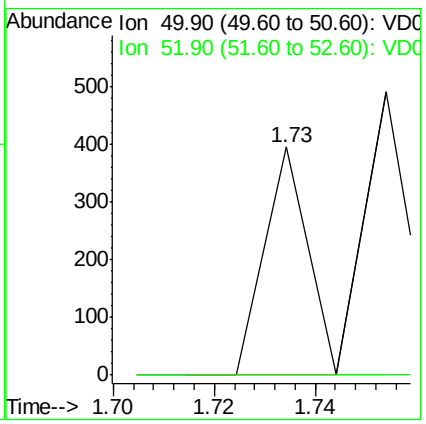


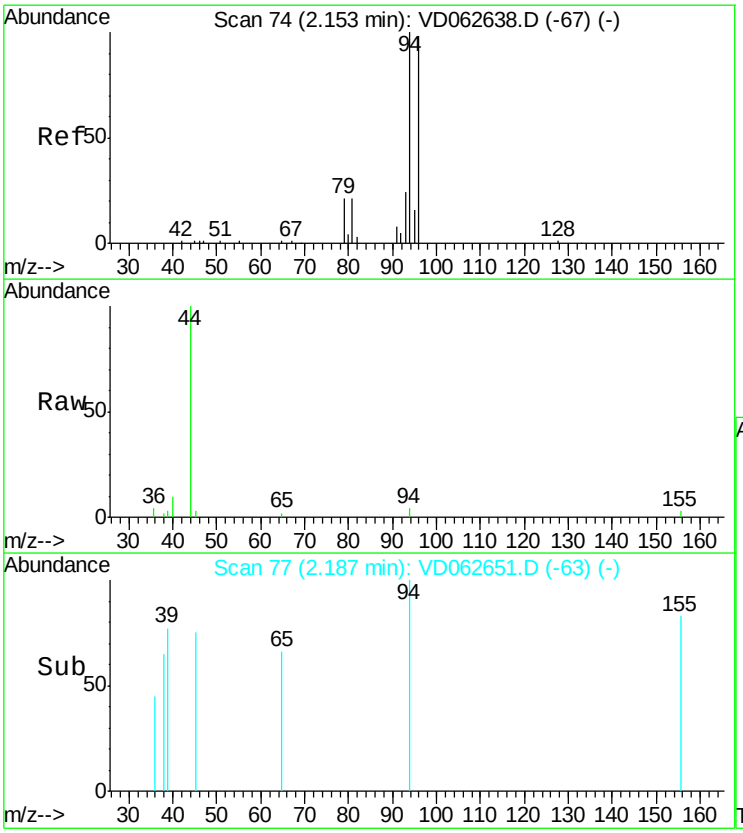

#3
Chloromethane
Concen: 17.626 ug/l
RT: 1.73 min Scan# 31
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 50 Resp: 233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 0.0 | 25.8 | 38.8# |

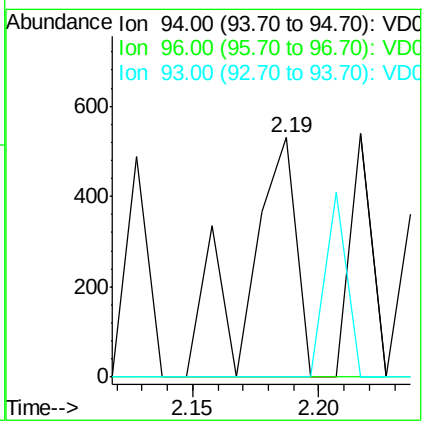


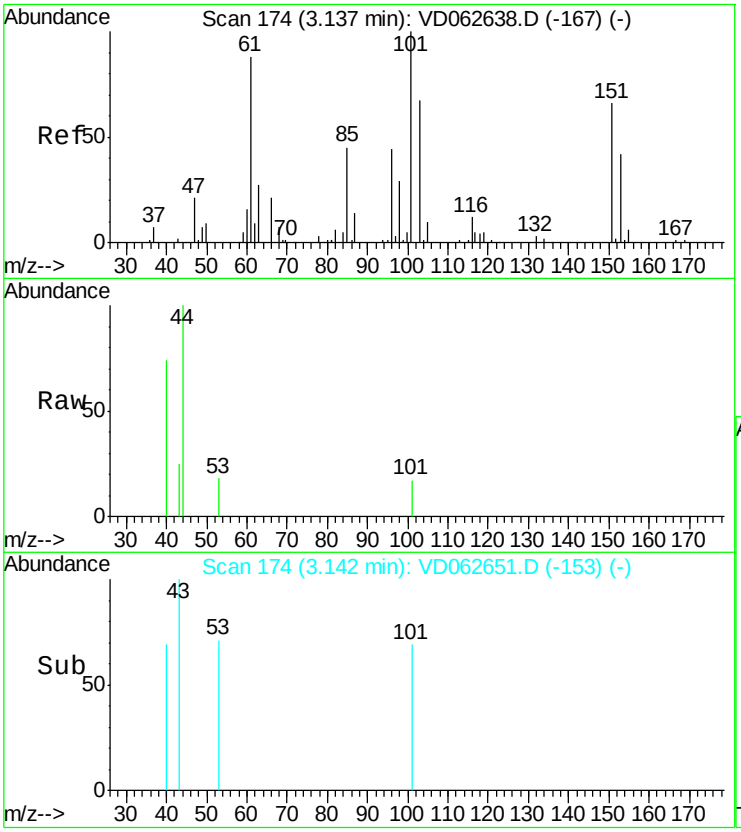




#5
Bromomethane
Concen: 105.803 ug/l
RT: 2.19 min Scan# 77
Delta R.T. 0.03 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 94 Resp: 728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 0.0 | 78.1 | 117.1# |
| 93 | 100.0 | 19.6 | 29.4# |



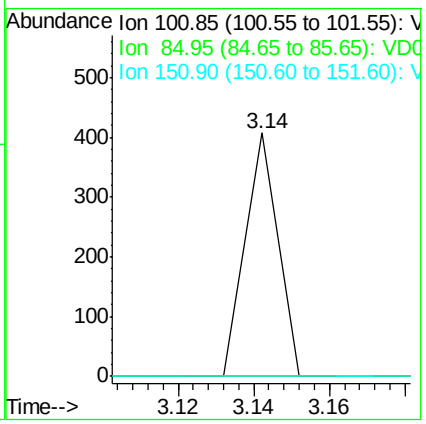


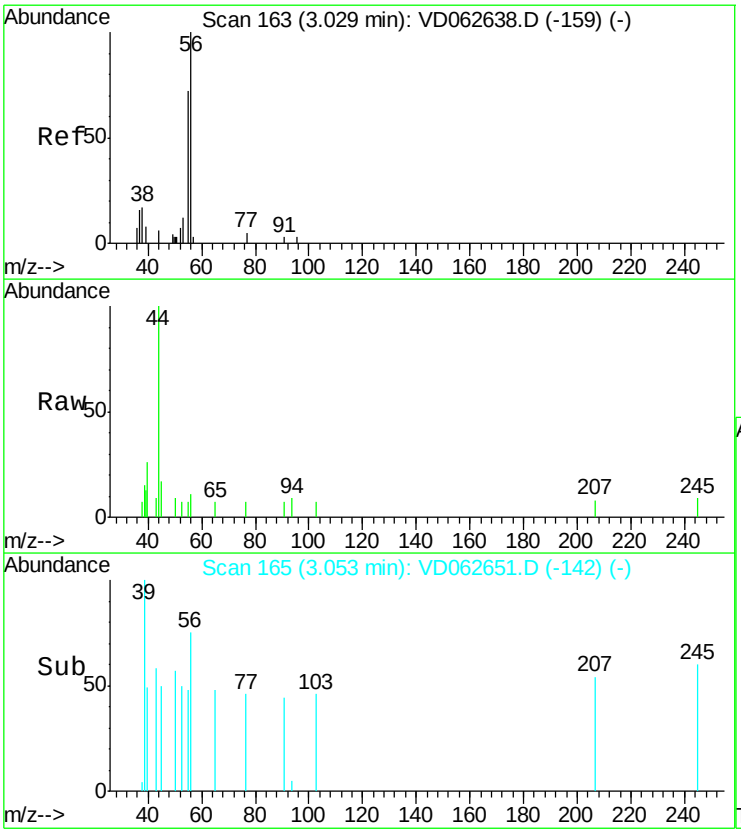

#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.646 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:101 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 36.0 | 54.0# |
| 151 | 0.0 | 52.6 | 79.0# |

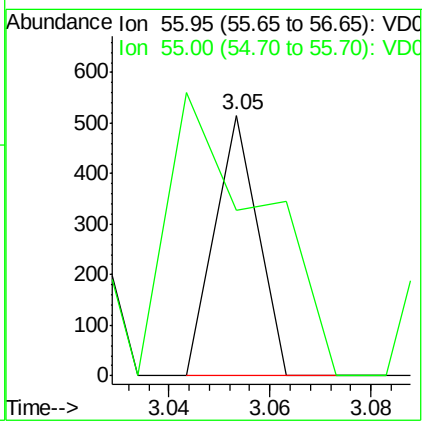


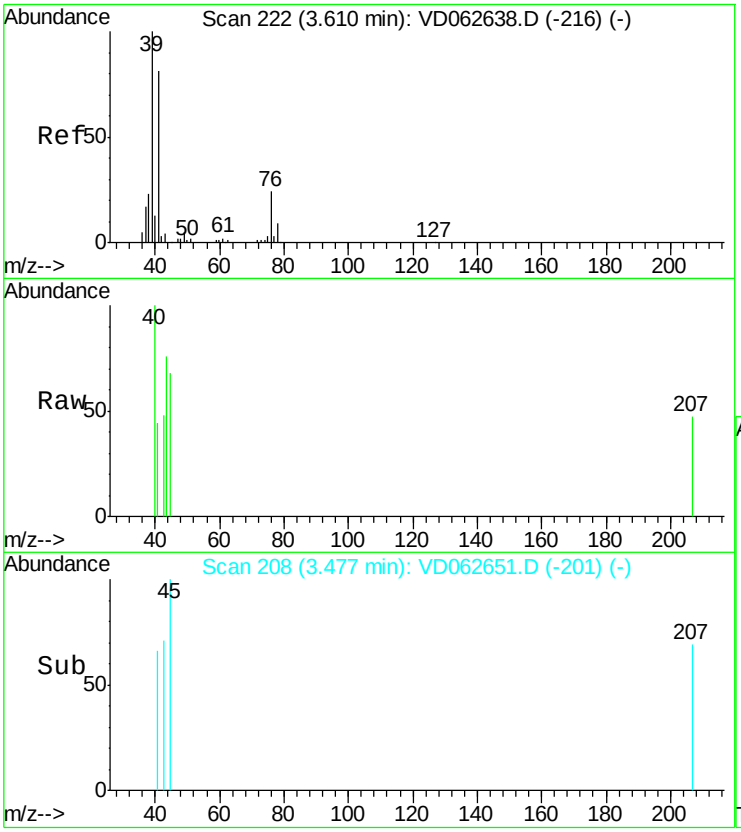




#13
Acrolein
Concen: 1196.532 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 56 Resp: 305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 63.6 | 59.4 | 89.0 |



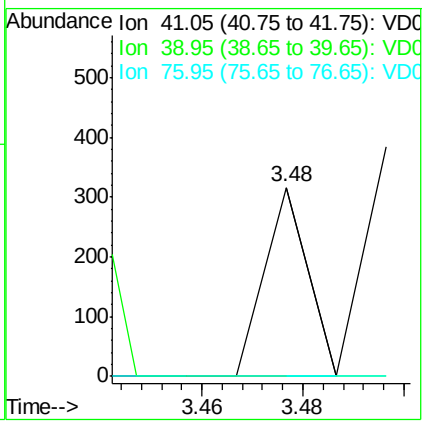


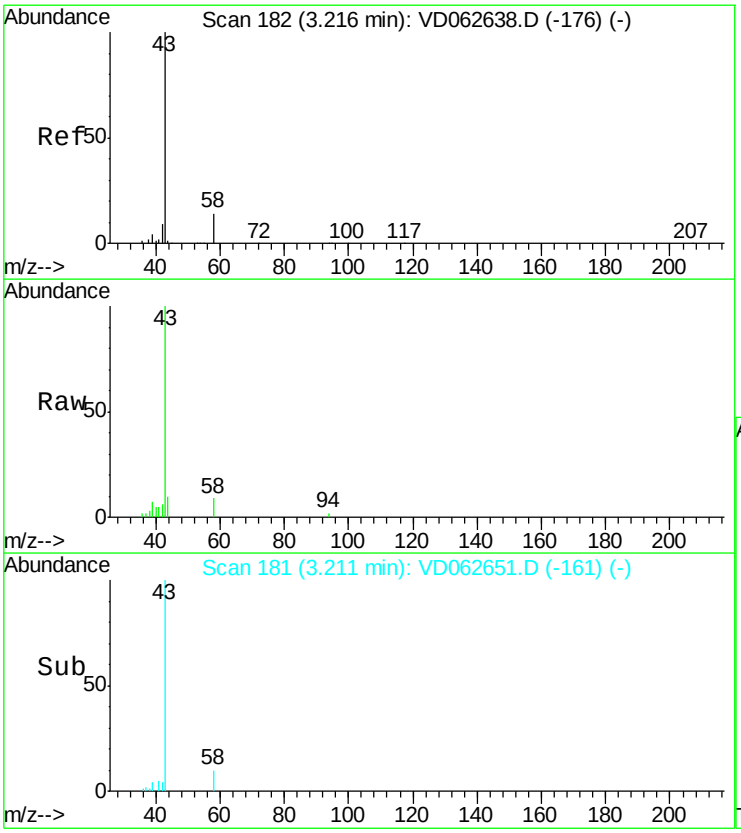

#14
Allyl chloride
Concen: 10.299 ug/l
RT: 3.48 min Scan# 208
Delta R.T. -0.13 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 41 Resp: 187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 0.0 | 99.1 | 148.7# |
| 76 | 0.0 | 25.0 | 37.6# |

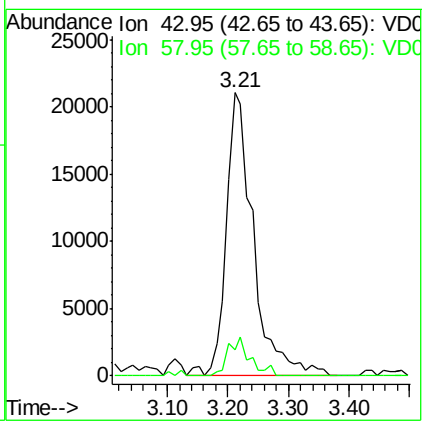


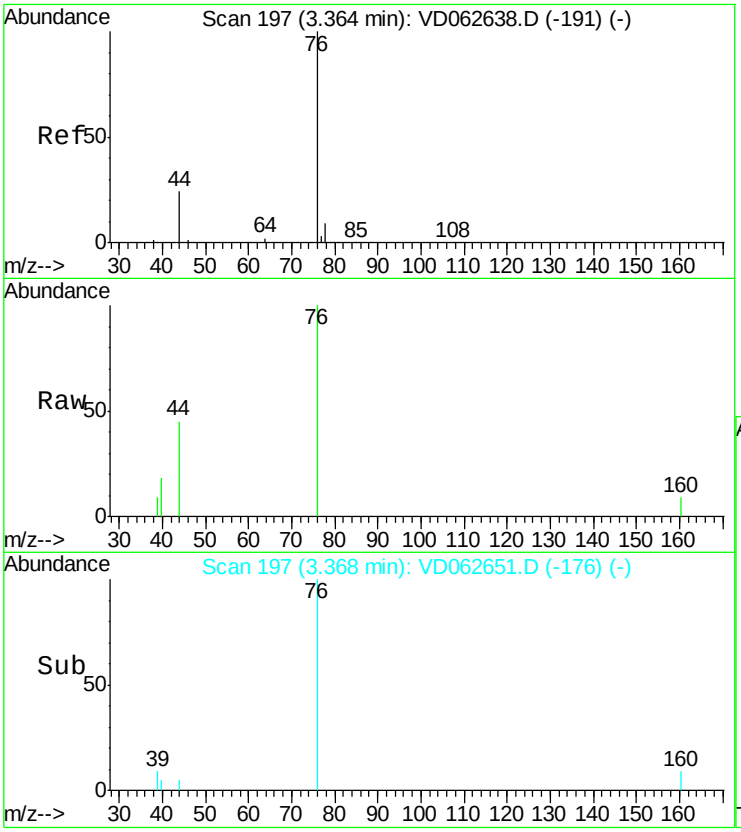




#16
Acetone
Concen: 18611.811 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 43 Resp: 65703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.3 | 10.8 | 16.2# |



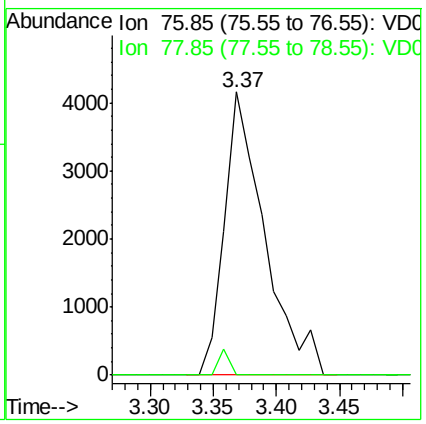


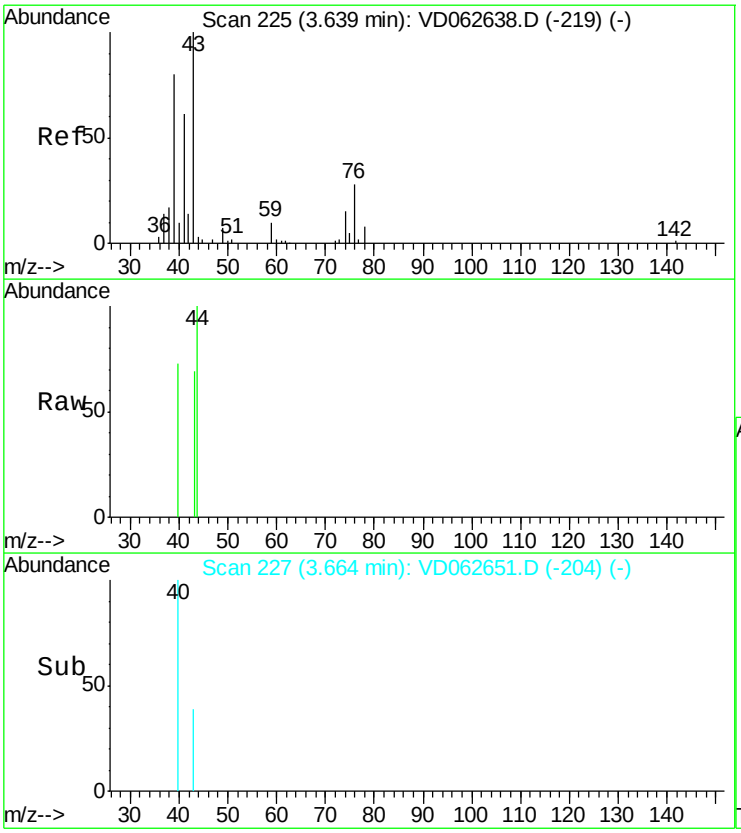

#17
Carbon Disulfide
Concen: 263.927 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 76 Resp: 9184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 7.0 | 10.4# |

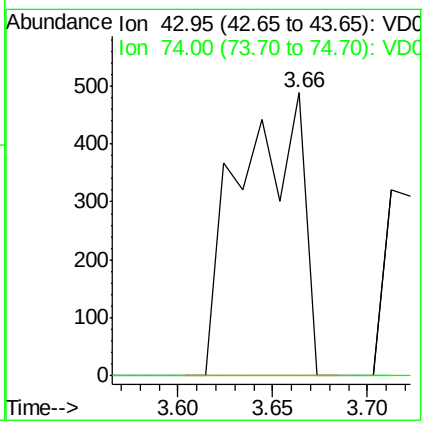


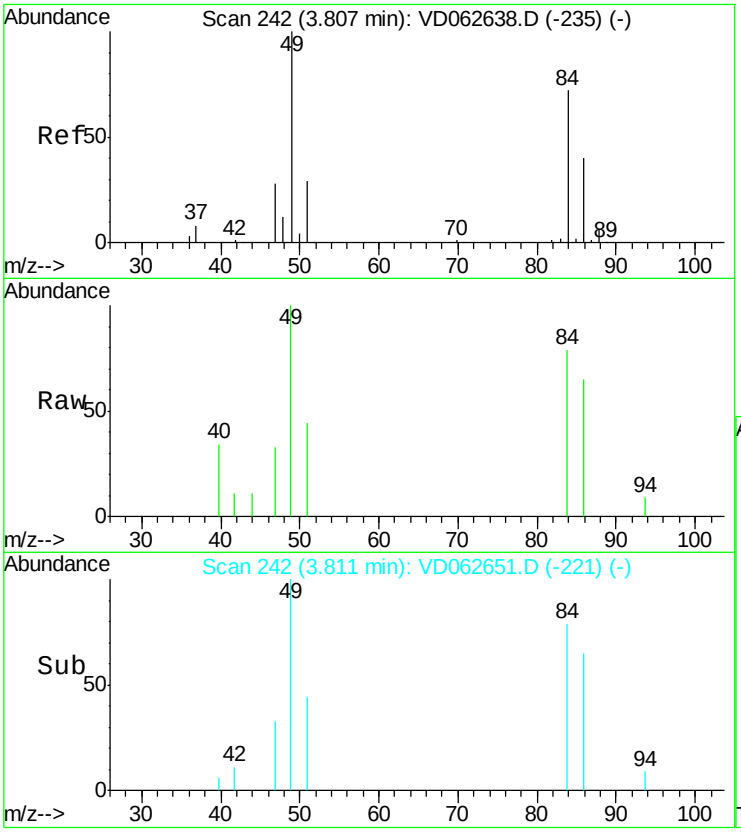




#18
Methyl Acetate
Concen: 195.637 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.02 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 43 Resp: 1135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 12.1 | 18.1# |



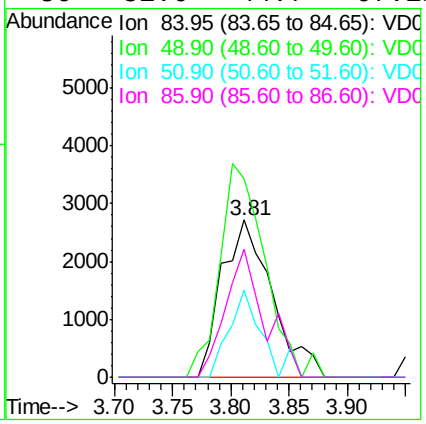


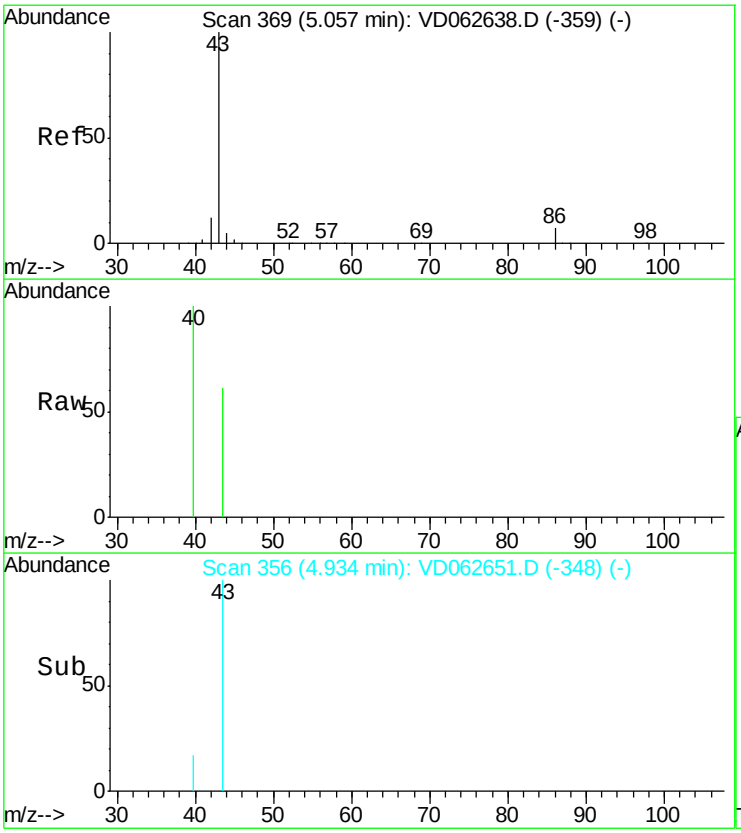

#20
Methylene Chloride
Concen: 610.744 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 84 Resp: 8080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.9 | 111.2 | 166.8 |
| 51 | 55.7 | 31.9 | 47.9# |
| 86 | 81.6 | 44.7 | 67.1# |

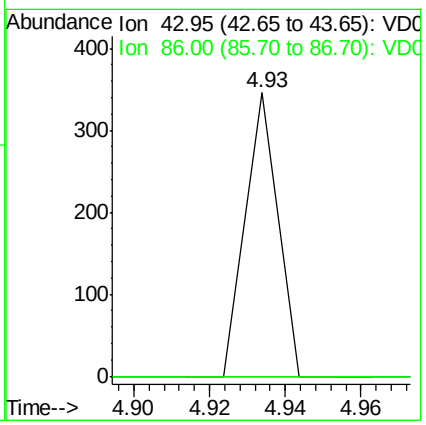


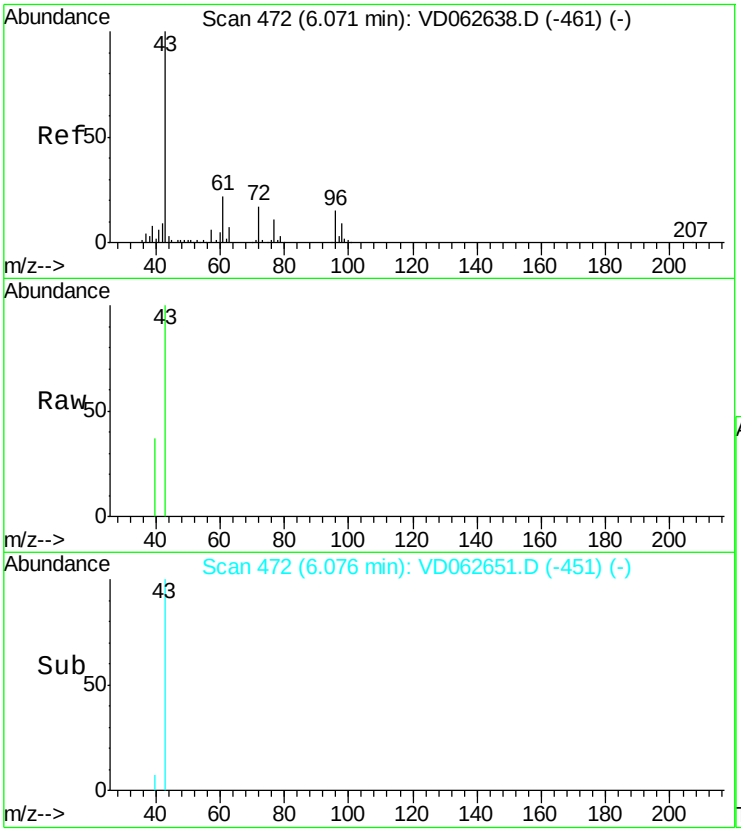




#23
Vinyl Acetate
Concen: 8.722 ug/l
RT: 4.93 min Scan# 356
Delta R.T. -0.12 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 43 Resp: 204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 0.0 | 5.3 | 7.9# |



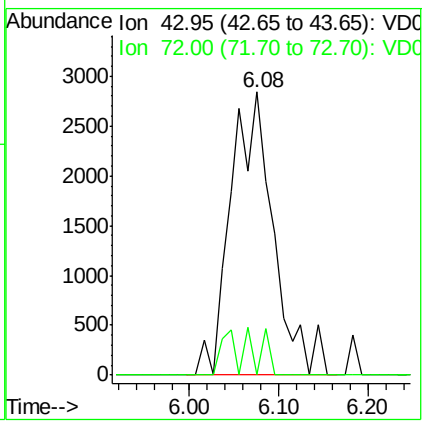


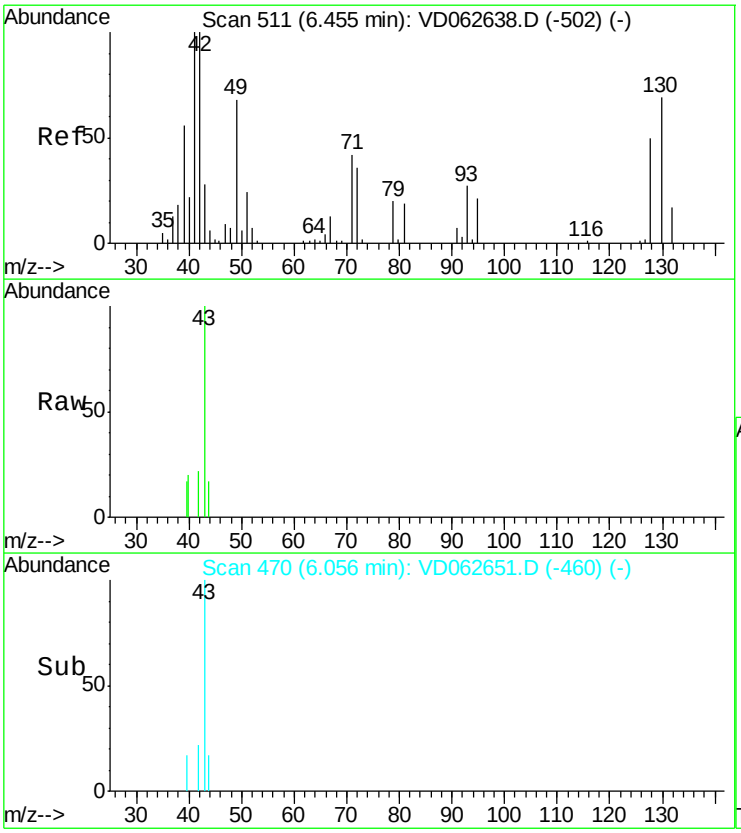

#25
2-Butanone
Concen: 2764.527 ug/l
RT: 6.08 min Scan# 472
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 43 Resp: 9521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 0.0 | 13.5 | 20.3# |

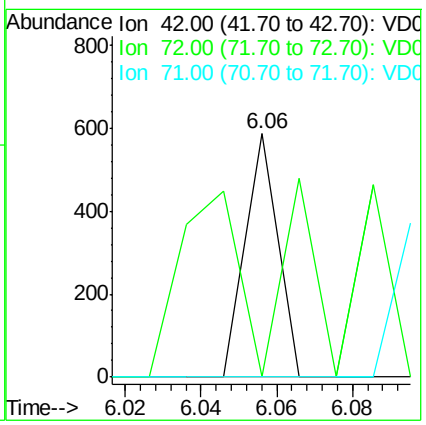


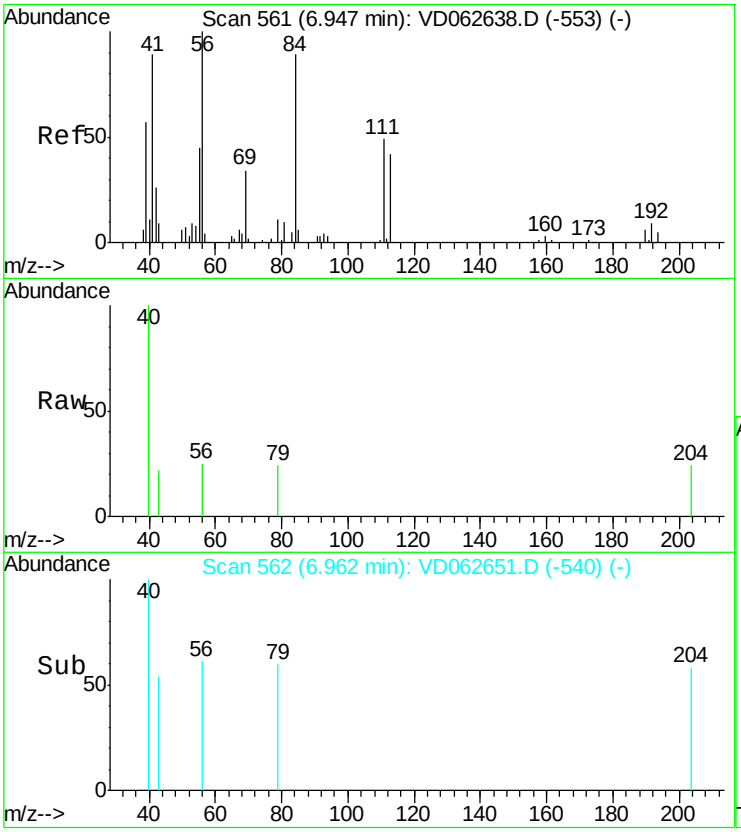




#29
Tetrahydrofuran
Concen: 223.736 ug/l
RT: 6.06 min Scan# 470
Delta R.T. -0.40 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 42 Resp: 347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 160.8 | 33.8 | 50.6# |
| 71 | 0.0 | 34.2 | 51.4# |



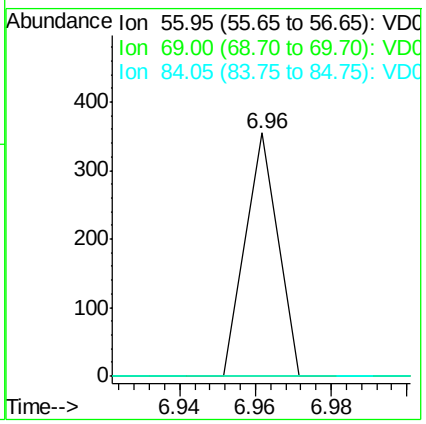


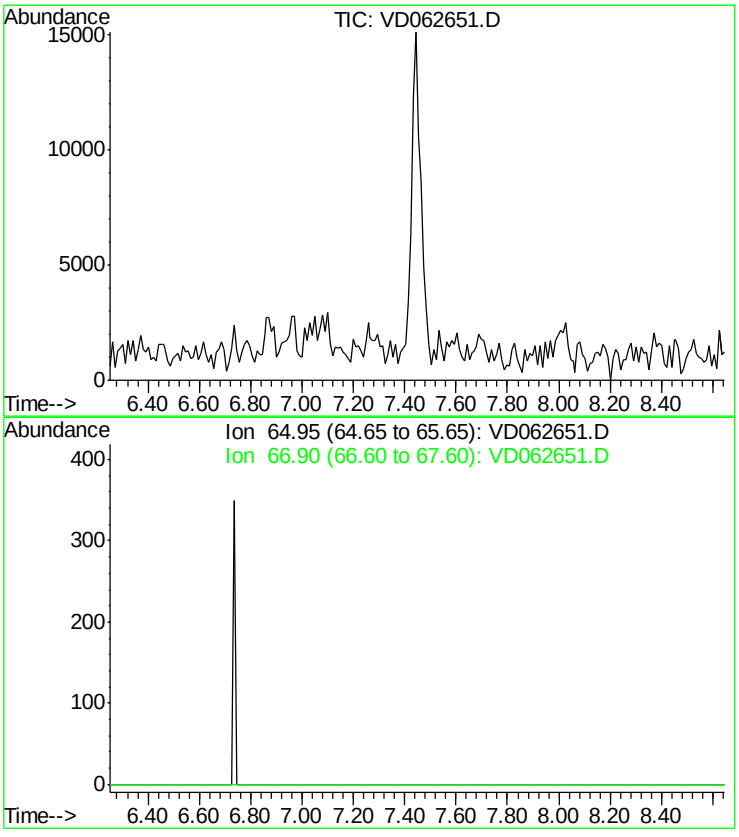

#31
Cyclohexane
Concen: 13.803 ug/l
RT: 6.96 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 56 Resp: 210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 0.0 | 26.8 | 40.2# |
| 84 | 0.0 | 73.9 | 110.9# |



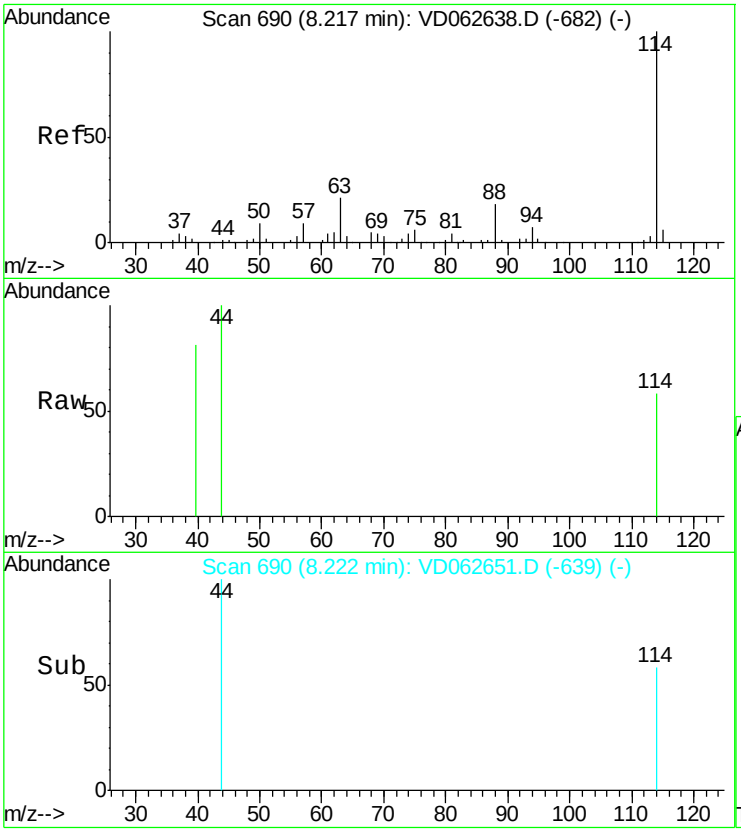




#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 7.45 min

Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 40.9 |

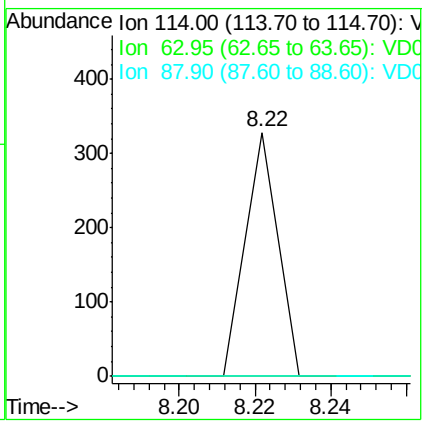


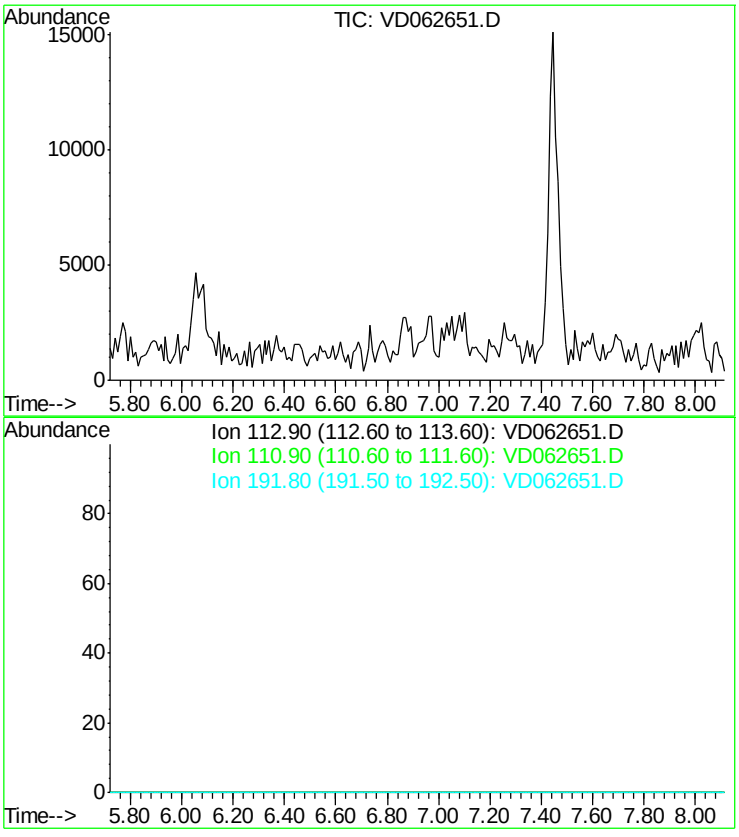

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.22 min Scan# 690
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:114 Resp: 194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 0.0 | 0.0 | 42.4 |
| 88 | 0.0 | 0.0 | 36.8 |



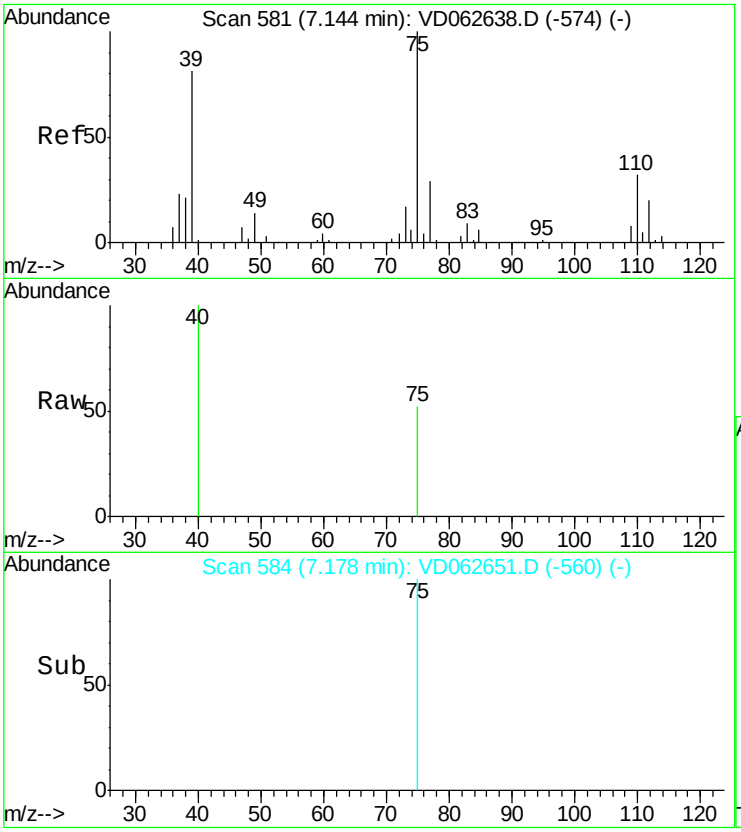




#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 6.92 min

Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 113

| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 95.5 |
| 192 | 14.2 |

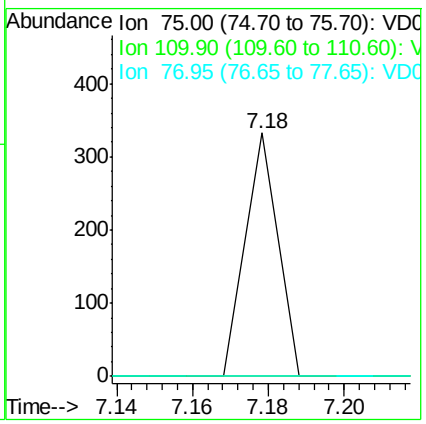


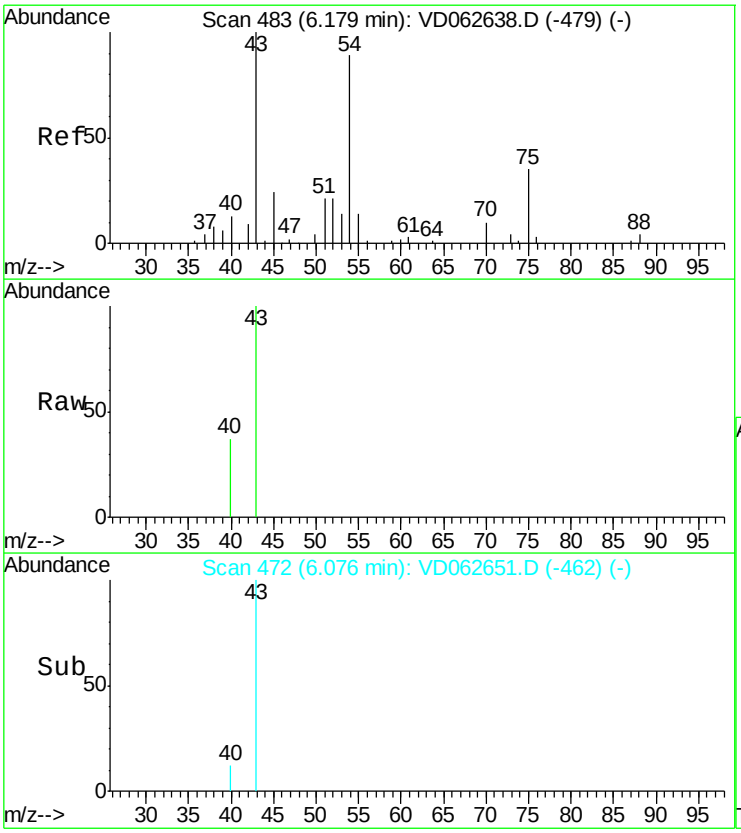

#36
1,1-Dichloropropene
Concen: 88.726 ug/l
RT: 7.18 min Scan# 584
Delta R.T. 0.03 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 75 Resp: 197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 15.9 | 47.7# |
| 77 | 0.0 | 23.3 | 34.9# |

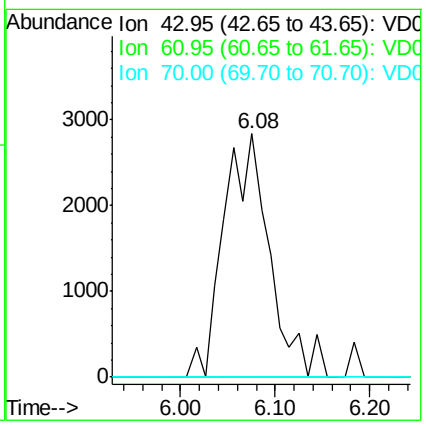


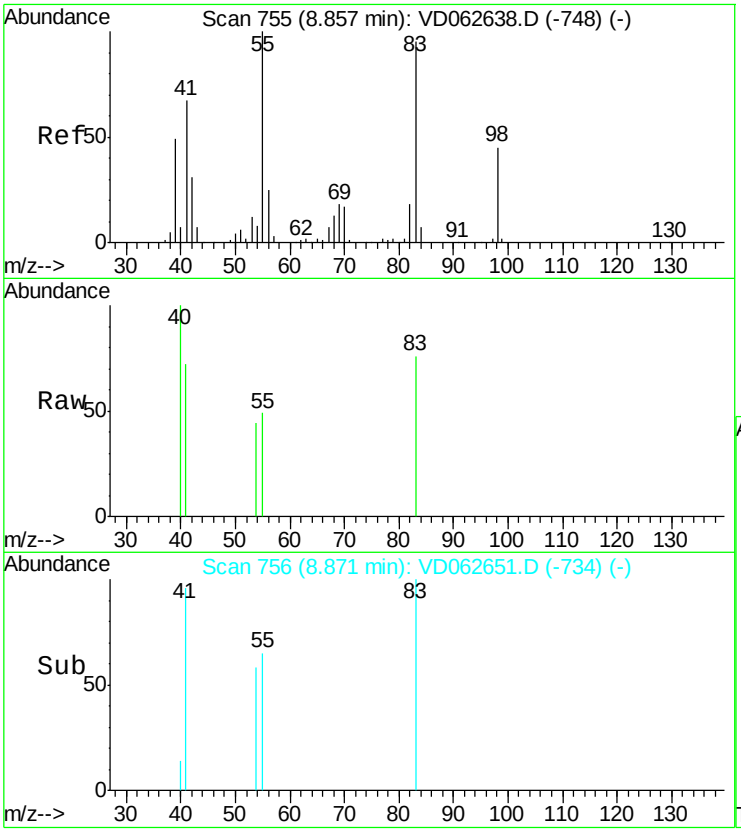




#37
Ethyl Acetate
Concen: 9817.668 ug/l
RT: 6.08 min Scan# 472
Delta R.T. -0.10 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 43 Resp: 9522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 8.7 | 13.1# |
| 70 | 0.0 | 6.5 | 9.7# |



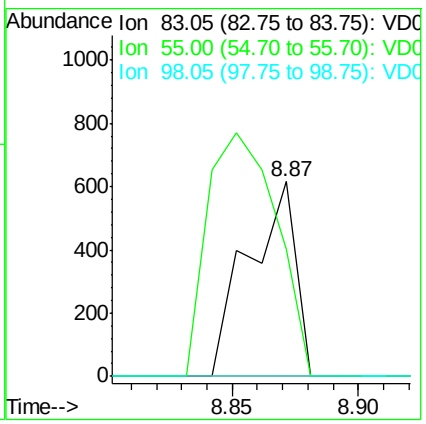


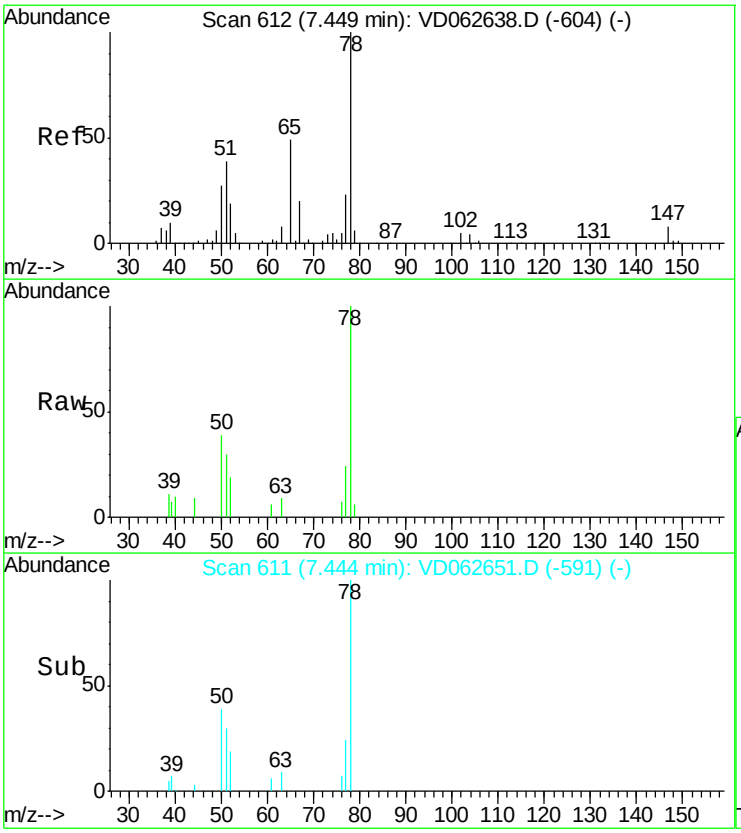

#39
Methylcyclohexane
Concen: 451.446 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 83 Resp: 810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 65.3 | 84.6 | 127.0# |
| 98 | 0.0 | 38.2 | 57.4# |

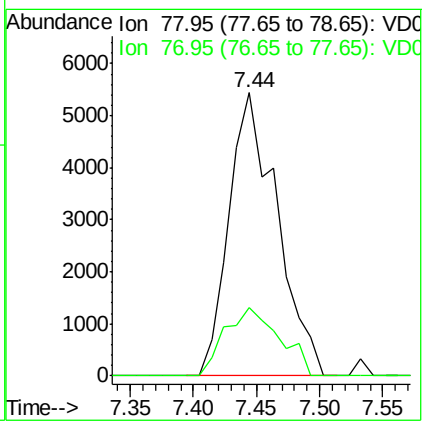


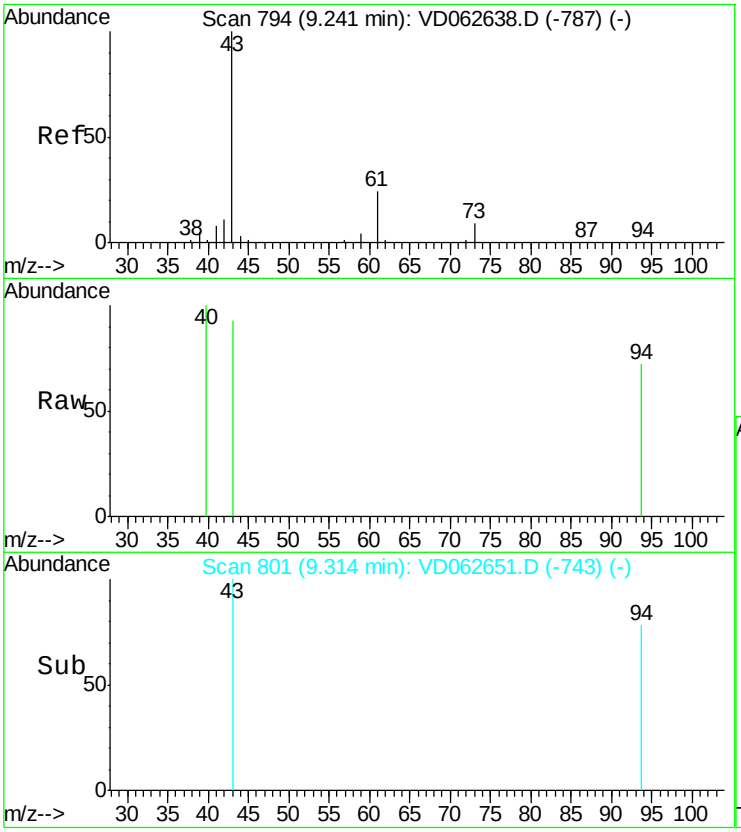




#40
Benzene
Concen: 3308.069 ug/l
RT: 7.44 min Scan# 611
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 78 Resp: 14344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 18.6 | 28.0 |



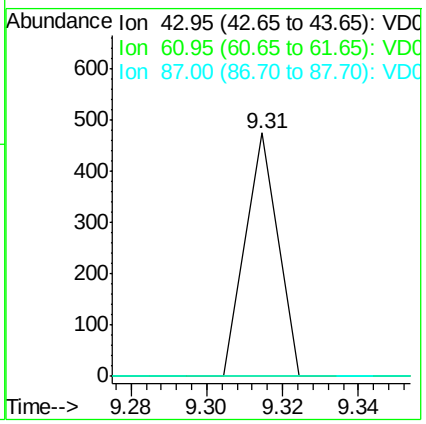


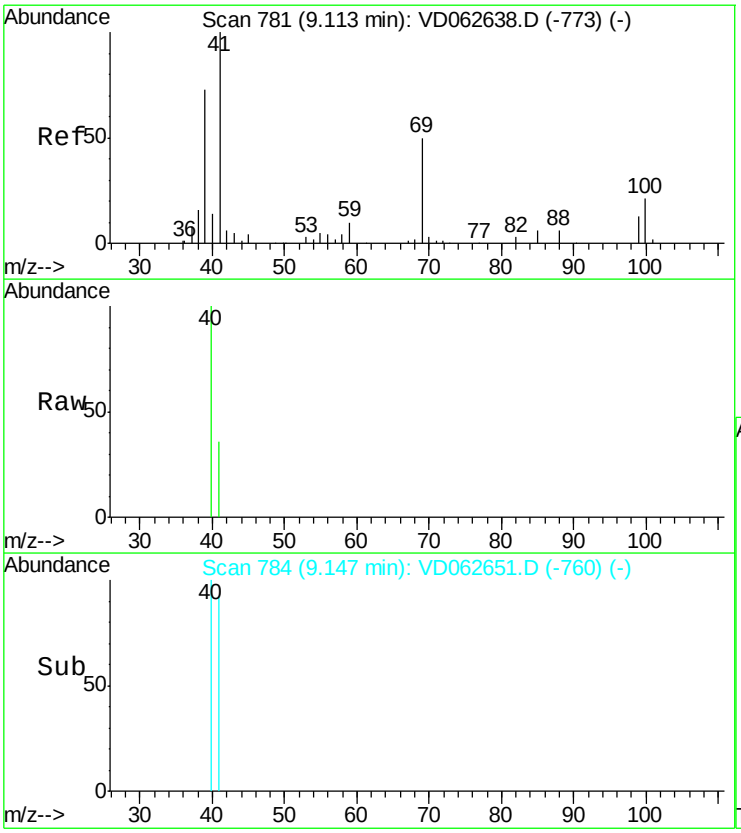

#43
Isopropyl Acetate
Concen: 239.002 ug/l
RT: 9.31 min Scan# 801
Delta R.T. 0.07 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 43 Resp: 280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 19.0 | 28.6# |
| 87 | 0.0 | 0.3 | 0.5# |

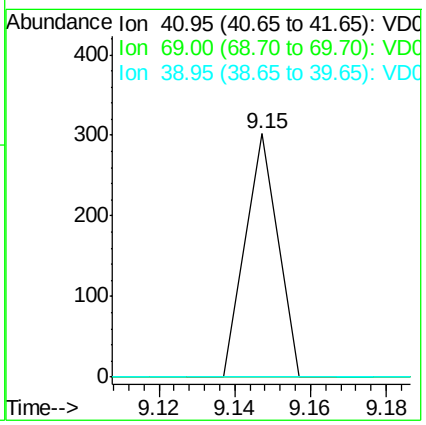


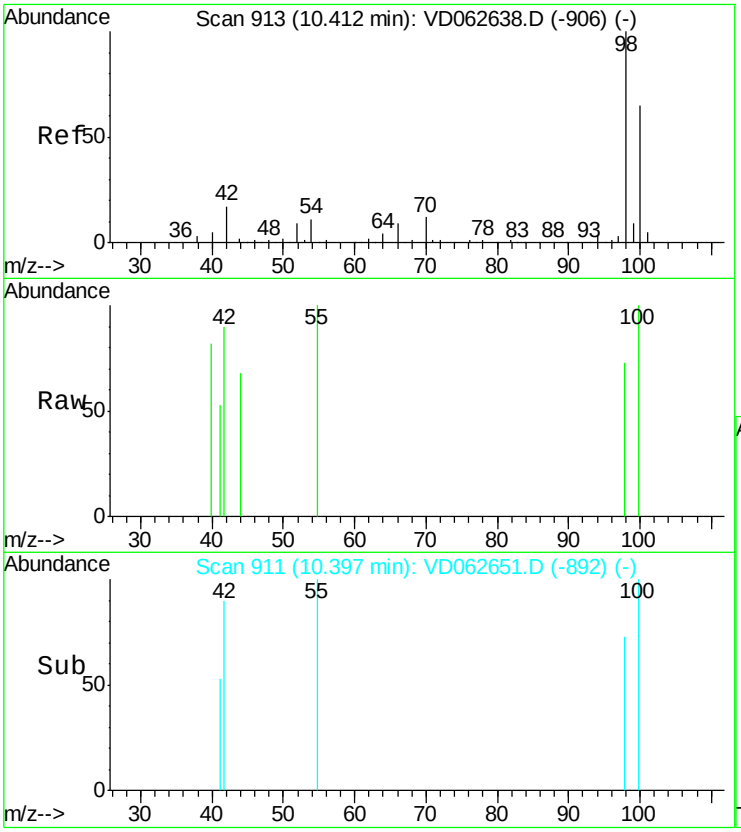




#48
Methyl methacrylate
Concen: 210.309 ug/l
RT: 9.15 min Scan# 784
Delta R.T. 0.03 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 41 Resp: 178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 39.8 | 59.6# |
| 39 | 0.0 | 59.1 | 88.7# |



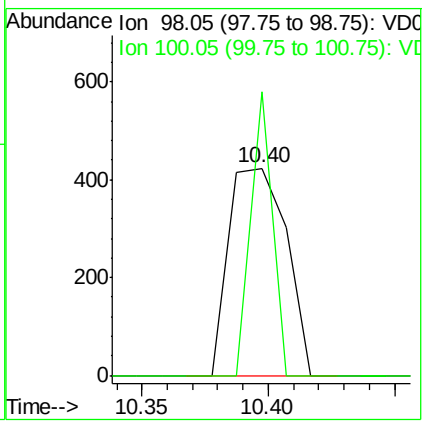


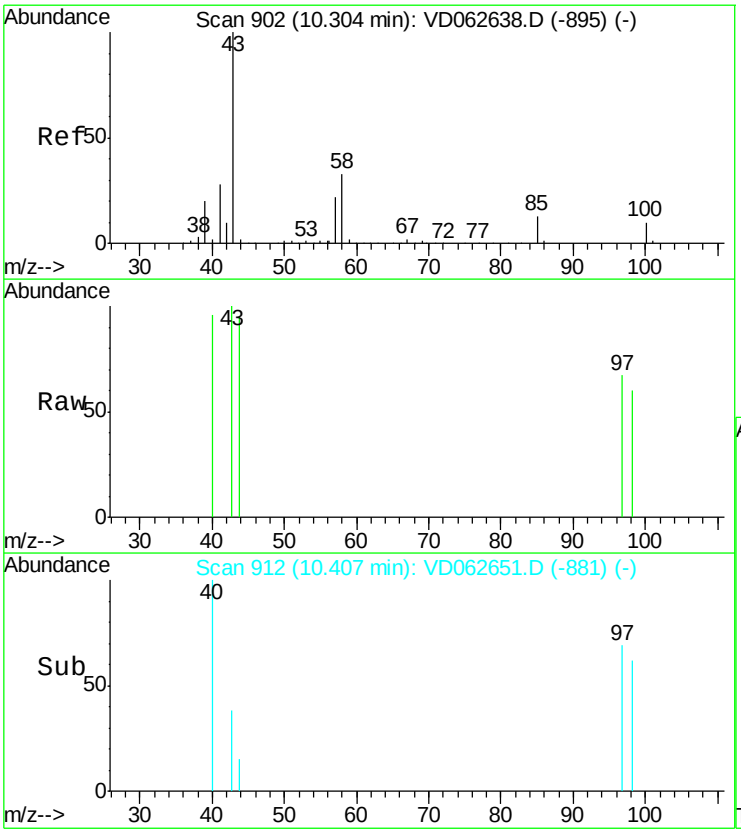

#50
Toluene-d8
Concen: 156.829 ug/l
RT: 10.40 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 98 Resp: 675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 136.6 | 52.1 | 78.1# |

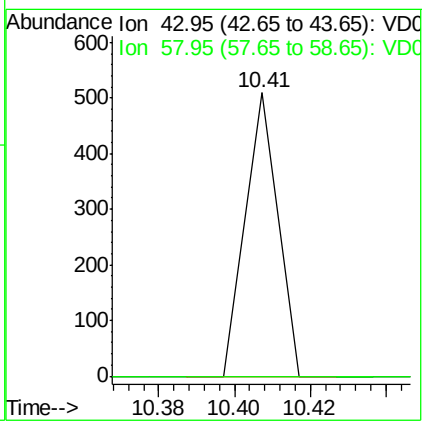


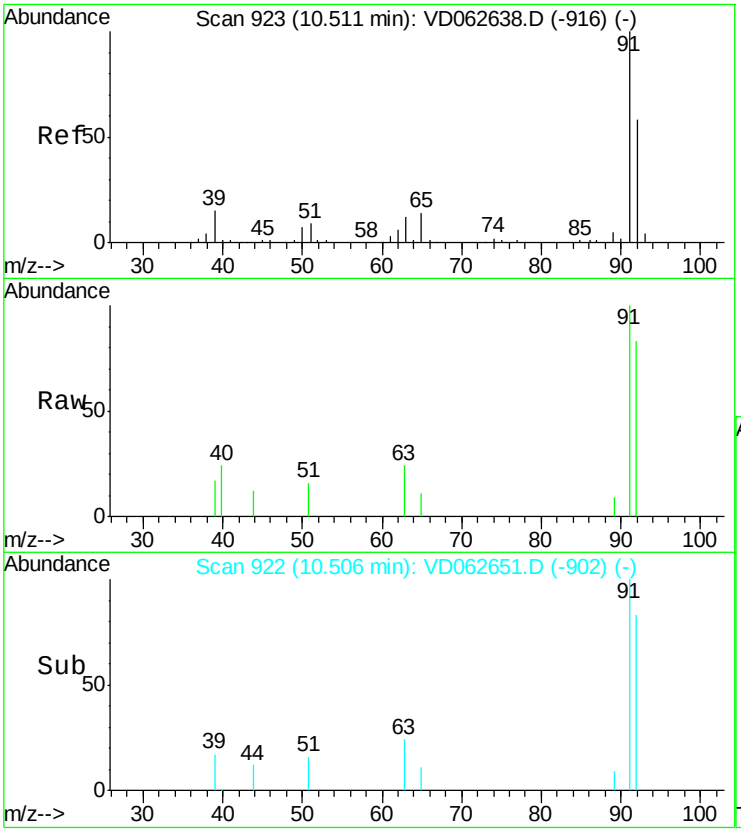




#51
4-Methyl-2-Pentanone
Concen: 367.185 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 43 Resp: 301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 26.1 | 39.1# |



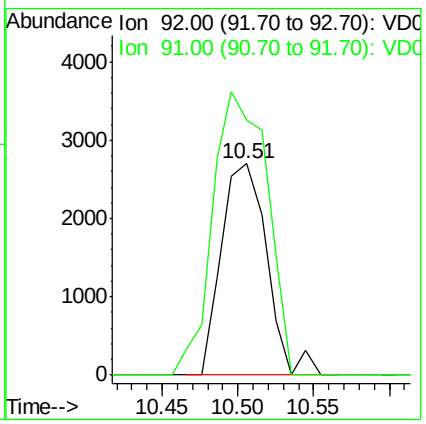


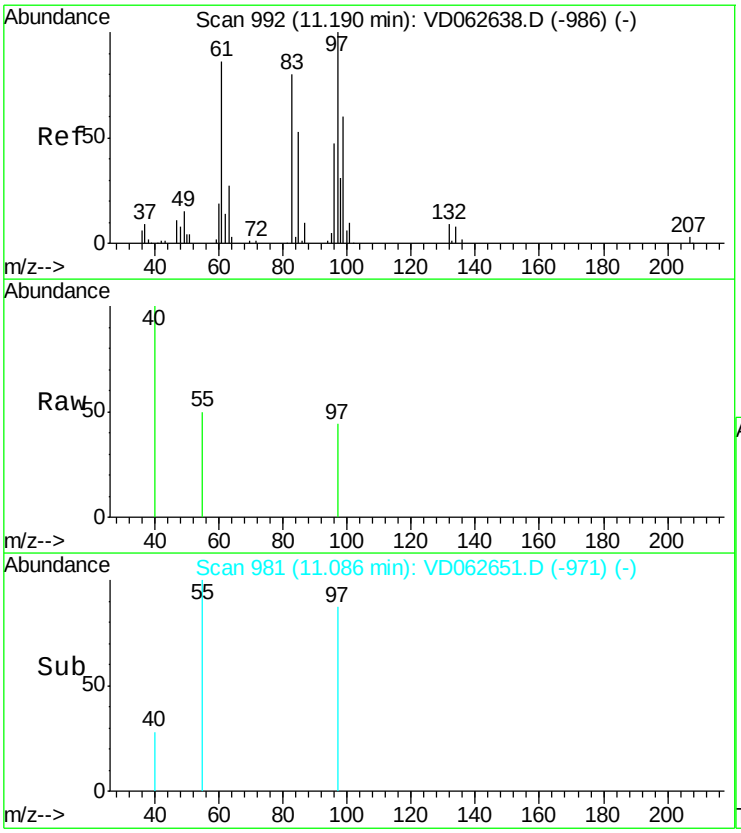

#52
Toluene
Concen: 1934.367 ug/l
RT: 10.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 92 Resp: 5638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 120.9 | 137.0 | 205.6# |

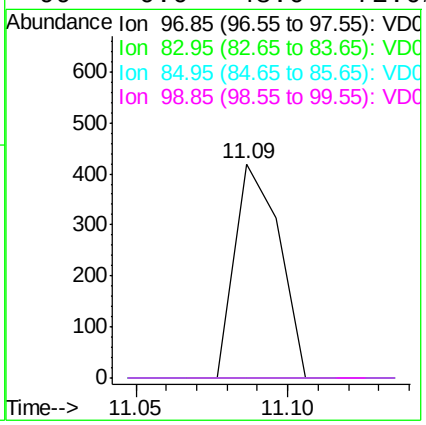


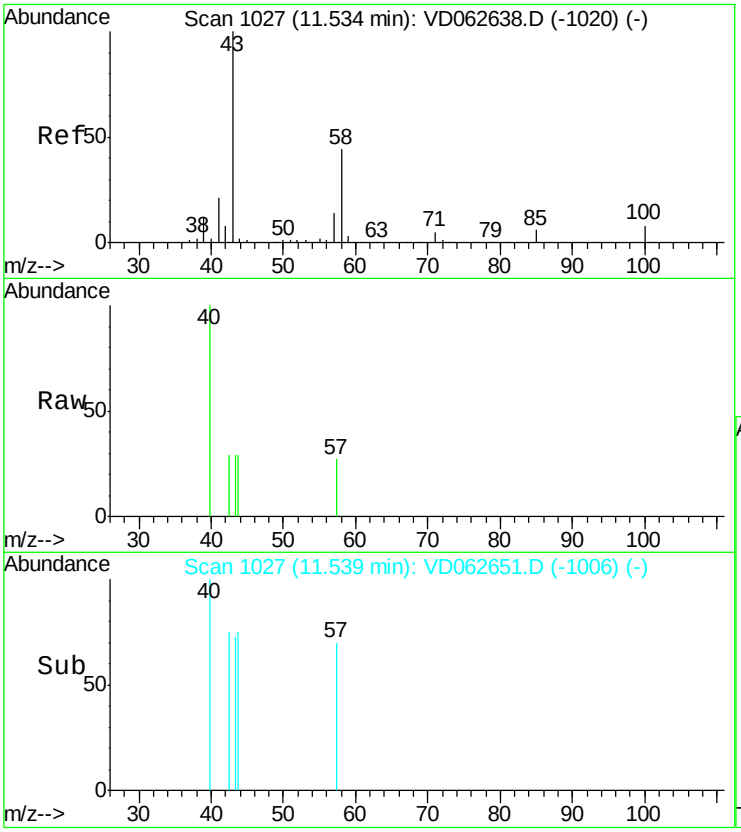




#55
1,1,2-Trichloroethane
Concen: 432.193 ug/l
RT: 11.09 min Scan# 981
Delta R.T. -0.10 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 97 Resp: 432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 0.0 | 63.8 | 95.8# |
| 85 | 0.0 | 42.3 | 63.5# |
| 99 | 0.0 | 48.0 | 72.0# |



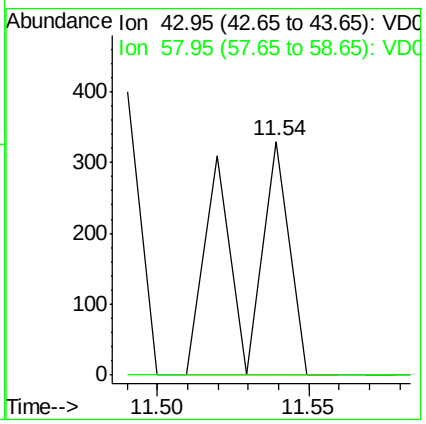


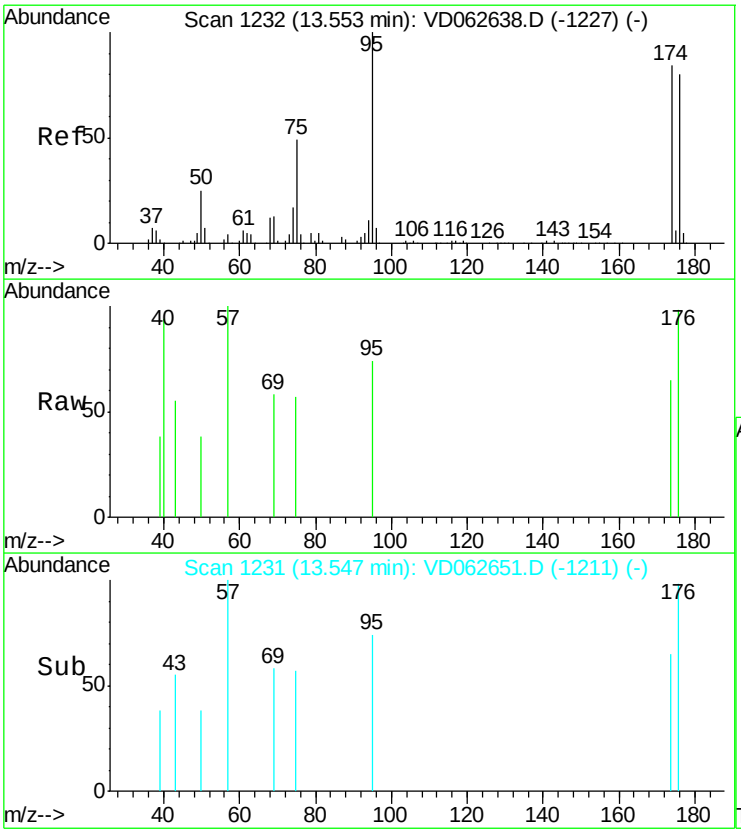

#59
2-Hexanone
Concen: 619.896 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 43 Resp: 378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 21.8 | 65.4# |

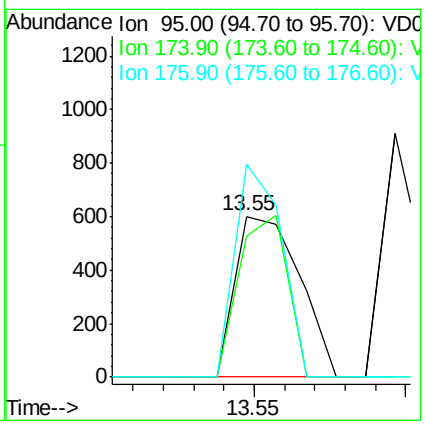


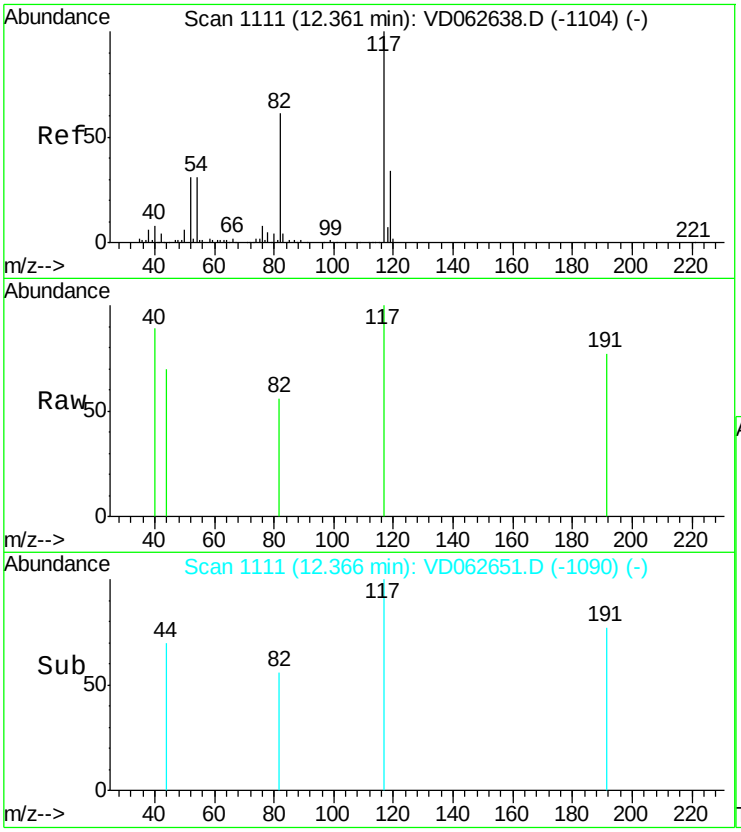




#62
4-Bromofluorobenzene
Concen: 439.745 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 95 Resp: 883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 87.7 | 0.0 | 167.0 |
| 176 | 132.4 | 0.0 | 159.2 |



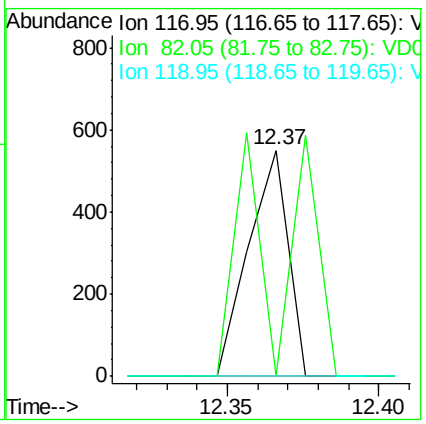


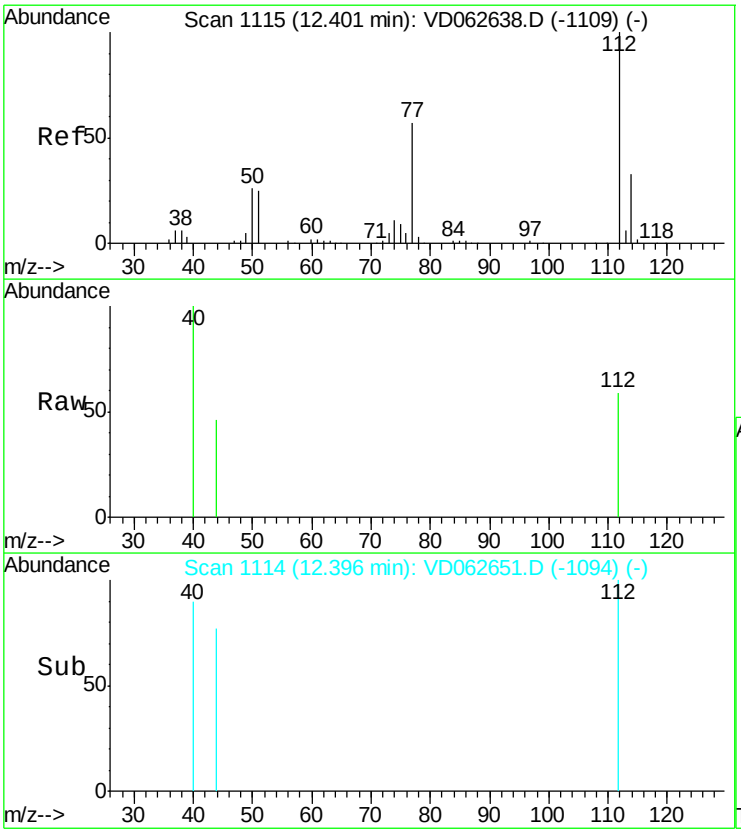

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion:117 Resp: 503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 0.0 | 48.7 | 73.1# |
| 119 | 0.0 | 27.0 | 40.6# |

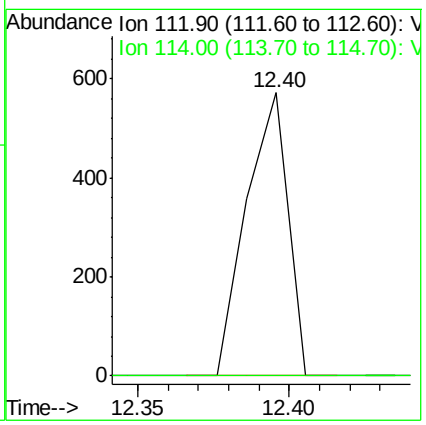


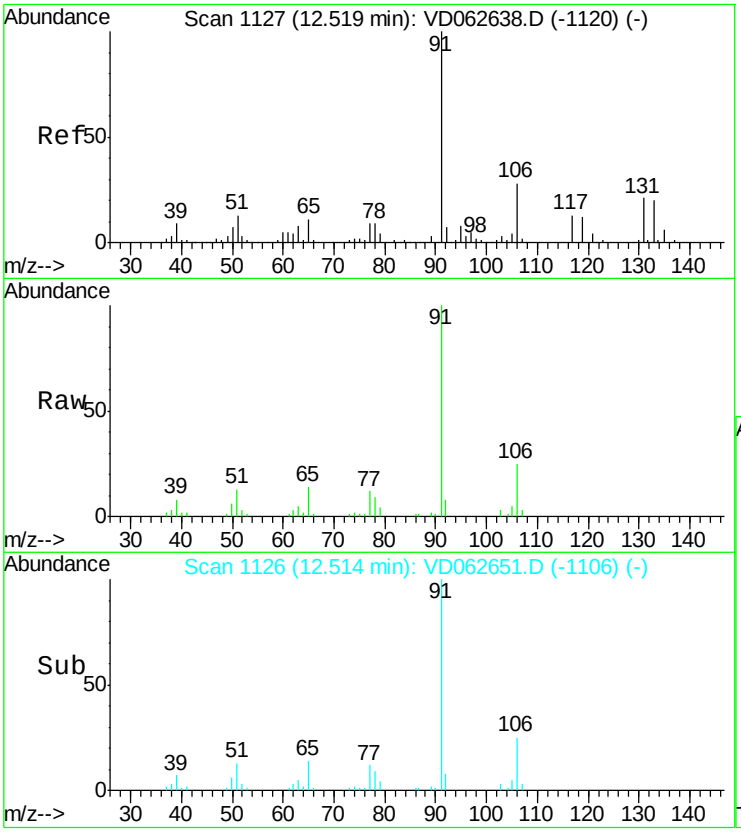




#65
Chlorobenzene
Concen: 49.433 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:112 Resp: 550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 0.0 | 26.3 | 39.5# |



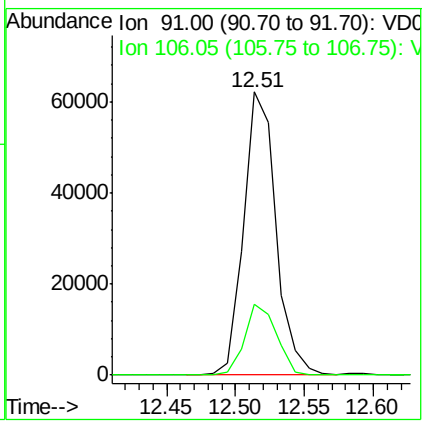


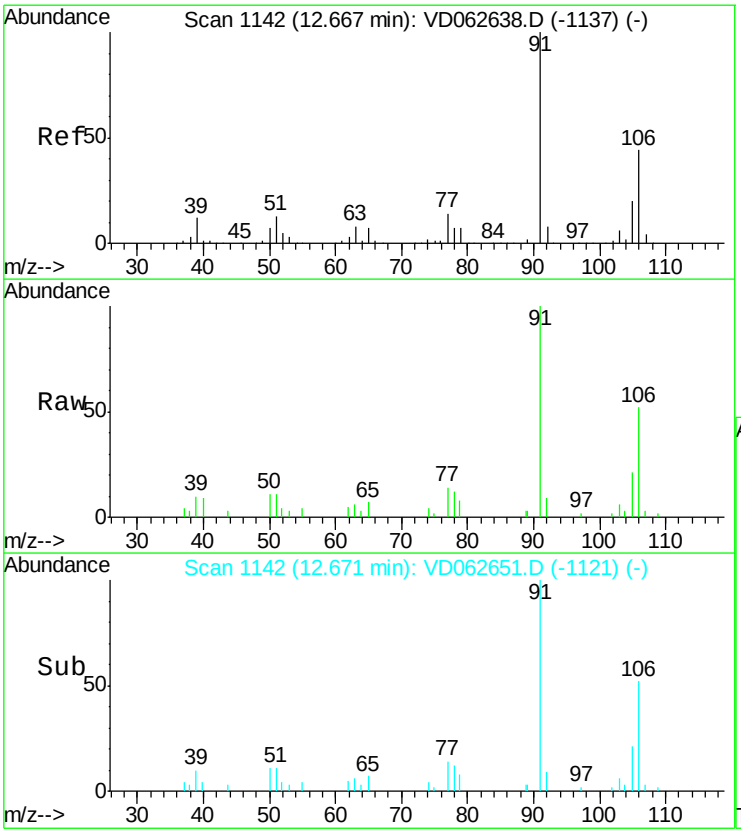

#67
Ethyl Benzene
Concen: 5174.250 ug/l
RT: 12.51 min  Scan# 1126
Delta R.T.  -0.01 min
Lab File:  VD062651.D
Acq: 10 Jun 2019  14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 91 Resp:  102071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.0 | 22.1 | 33.1 |

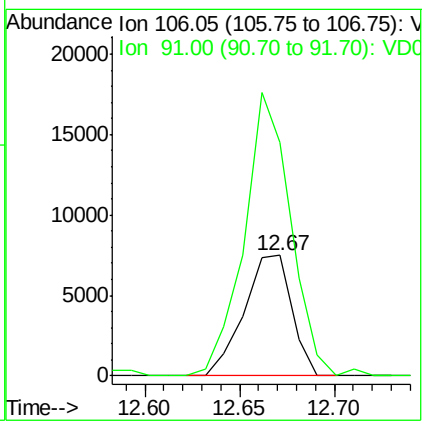


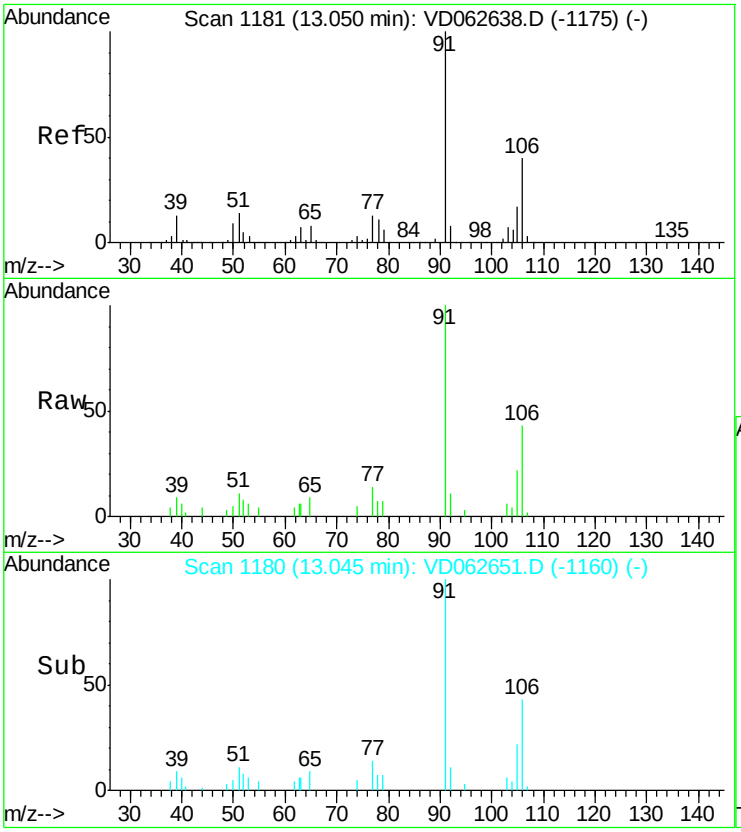




#68
m/p-Xylenes
Concen: 1887.219 ug/l
RT: 12.67 min  Scan# 1142
Delta R.T.  0.00 min
Lab File:  VD062651.D
Acq: 10 Jun 2019  14:11

Tgt Ion:106 Resp:  13088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 193.2 | 180.2 | 270.4 |



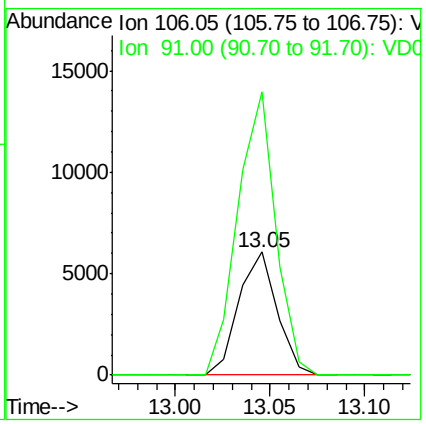


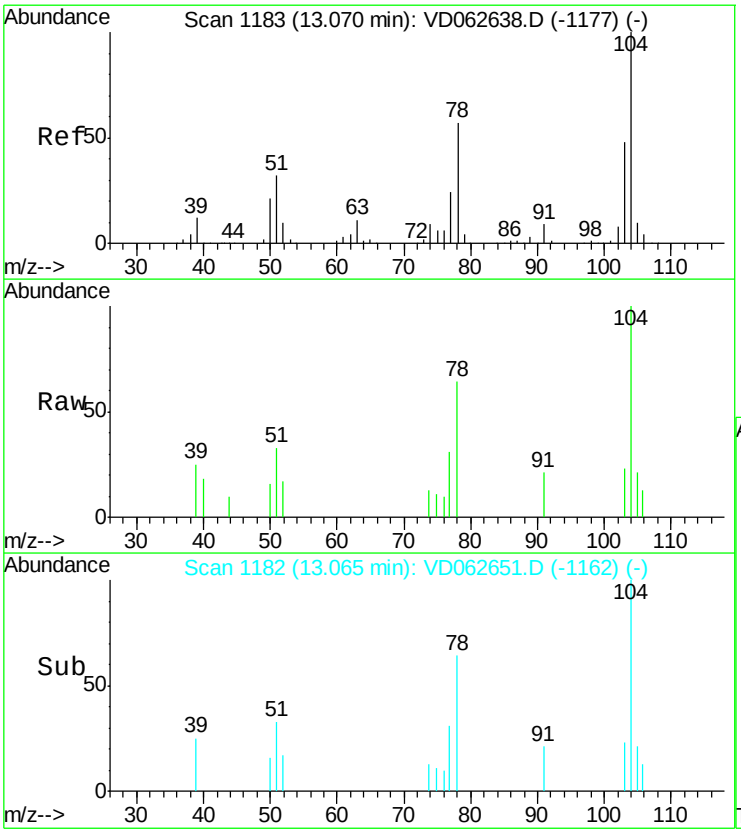

#69
o-Xylene
Concen: 1331.409 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:106 Resp: 8480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 230.2 | 124.1 | 372.1 |

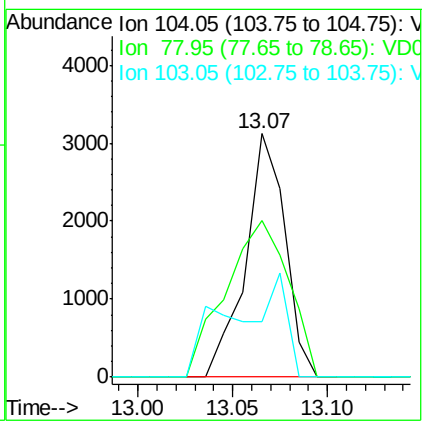


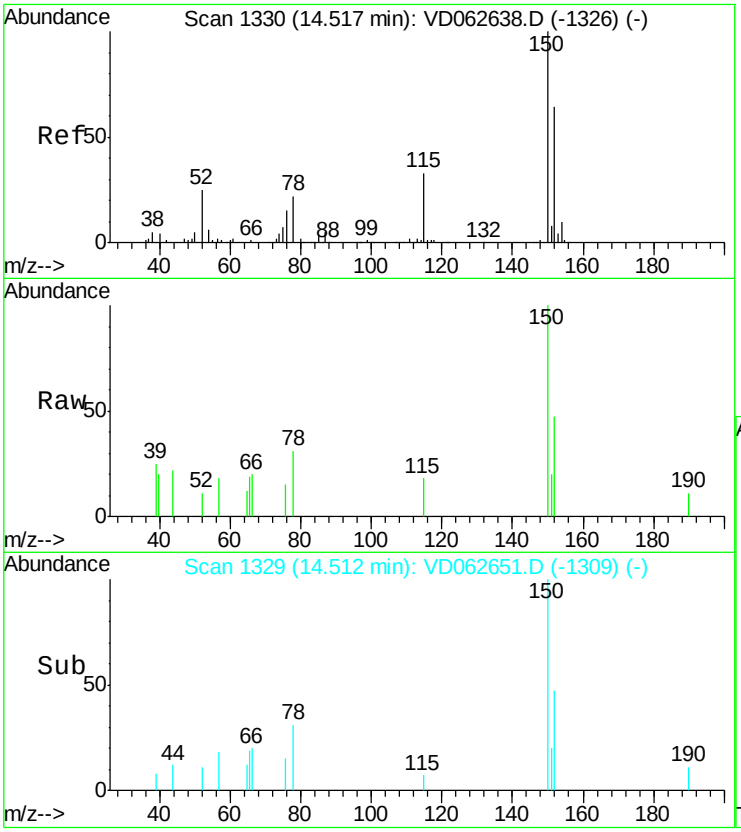




#70
Styrene
Concen: 397.028 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:104 Resp: 4512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 64.4 | 45.9 | 68.9 |
| 103 | 22.6 | 38.4 | 57.6# |



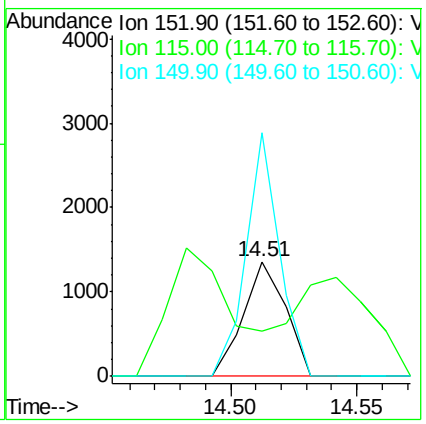


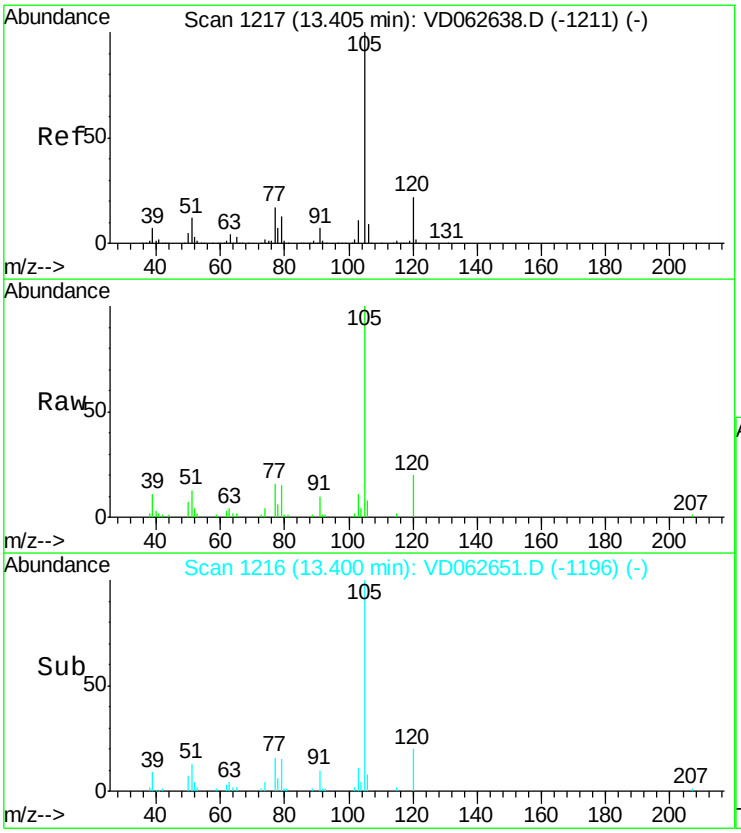

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:152 Resp: 1579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 39.1 | 30.1 | 90.5 |
| 150 | 211.8 | 0.0 | 314.0 |

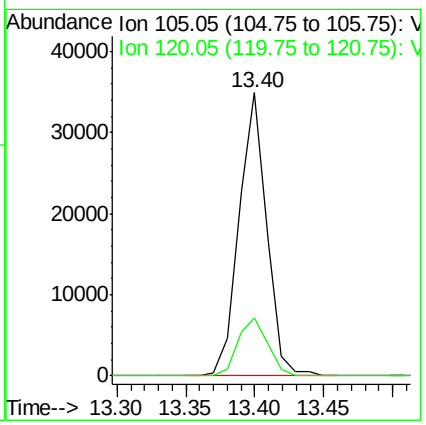


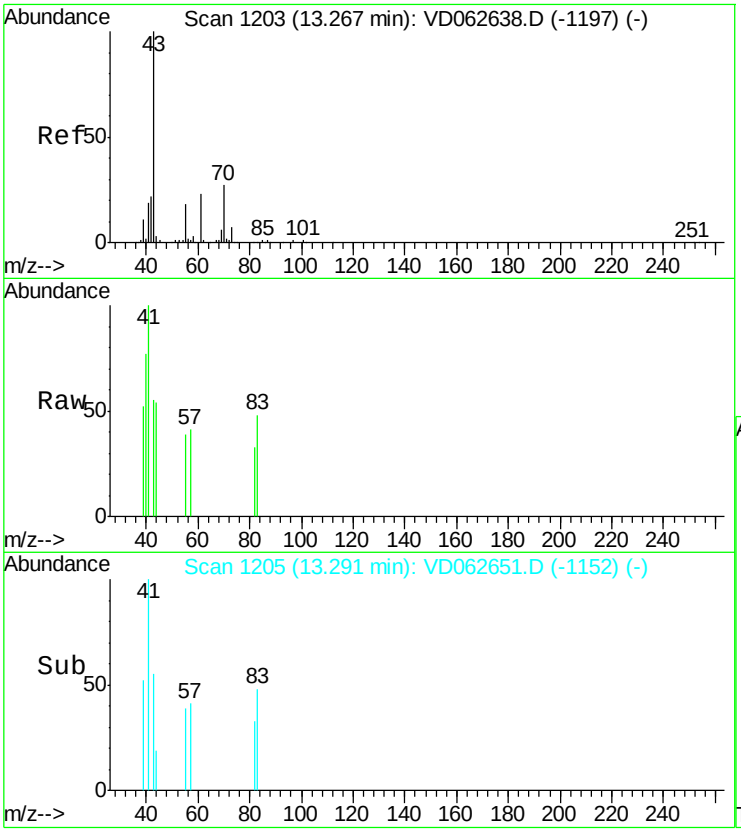




#73
Isopropylbenzene
Concen: 439.416 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:105 Resp: 48905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 20.4 | 10.9 | 32.7 |



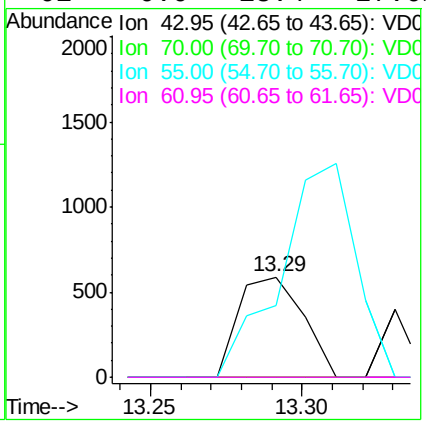


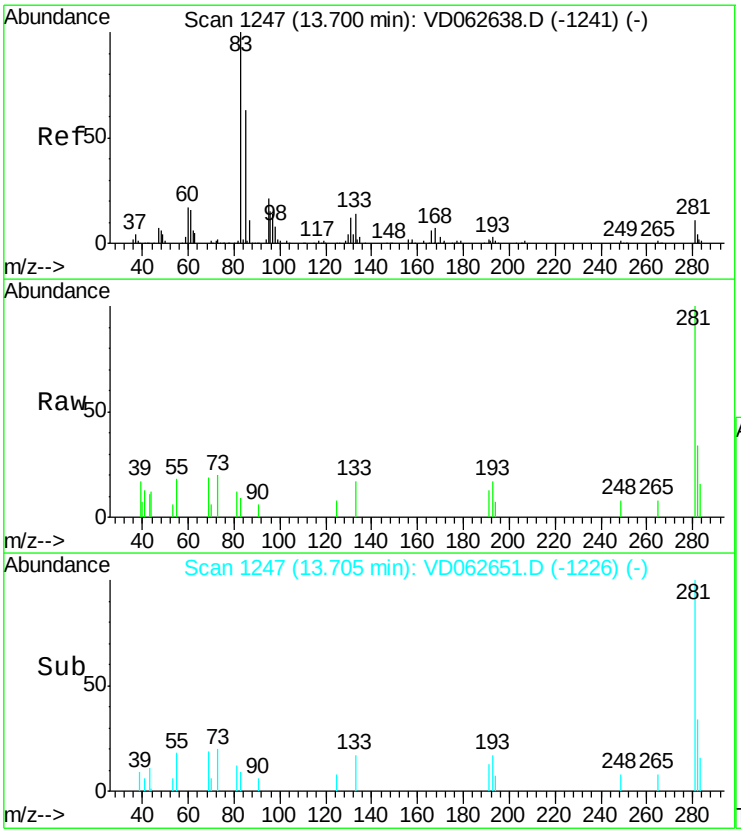

#74
N-amyl acetate
Concen: 29.190 ug/l
RT: 13.29 min Scan# 1205
Delta R.T. 0.02 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 43 Resp: 878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 0.0 | 21.8 | 32.8# |
| 55 | 72.2 | 14.6 | 21.8# |
| 61 | 0.0 | 18.4 | 27.6# |

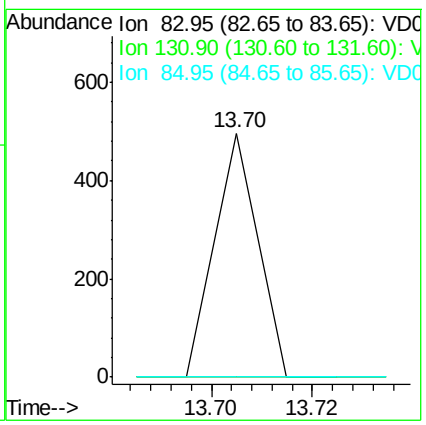


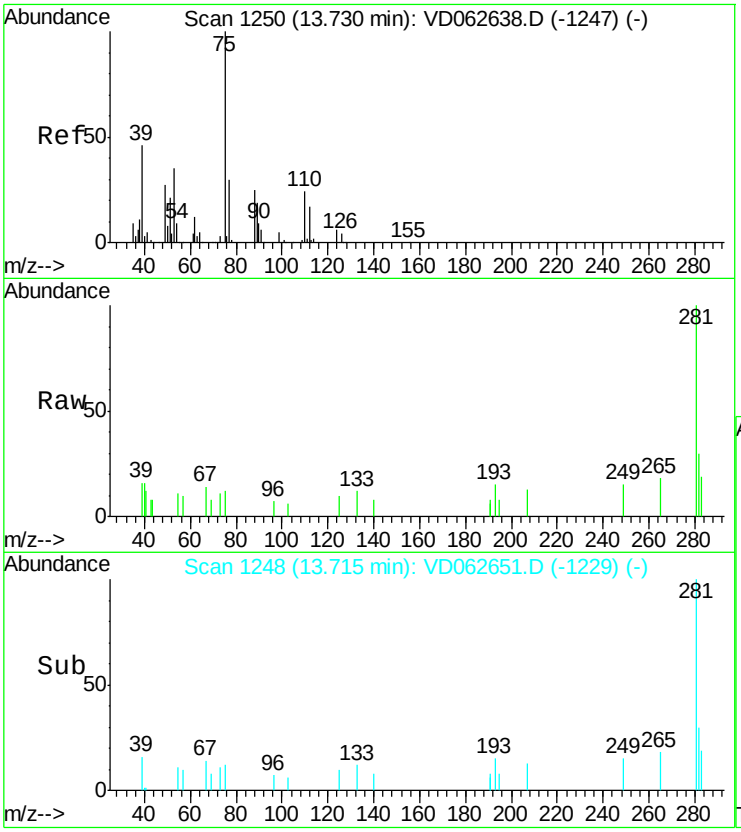




#75
1,1,2,2-Tetrachloroethane
Concen: 15.386 ug/l
RT: 13.70 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 83 Resp: 293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 0.0 | 5.9 | 17.7# |
| 85 | 0.0 | 31.3 | 93.9# |



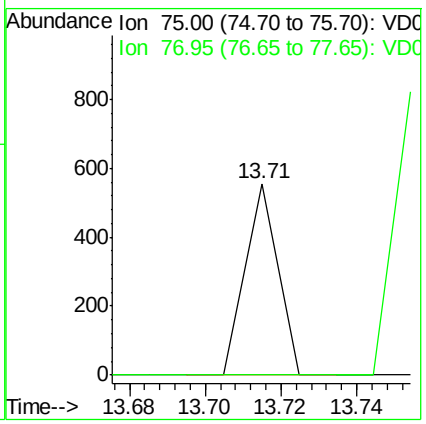


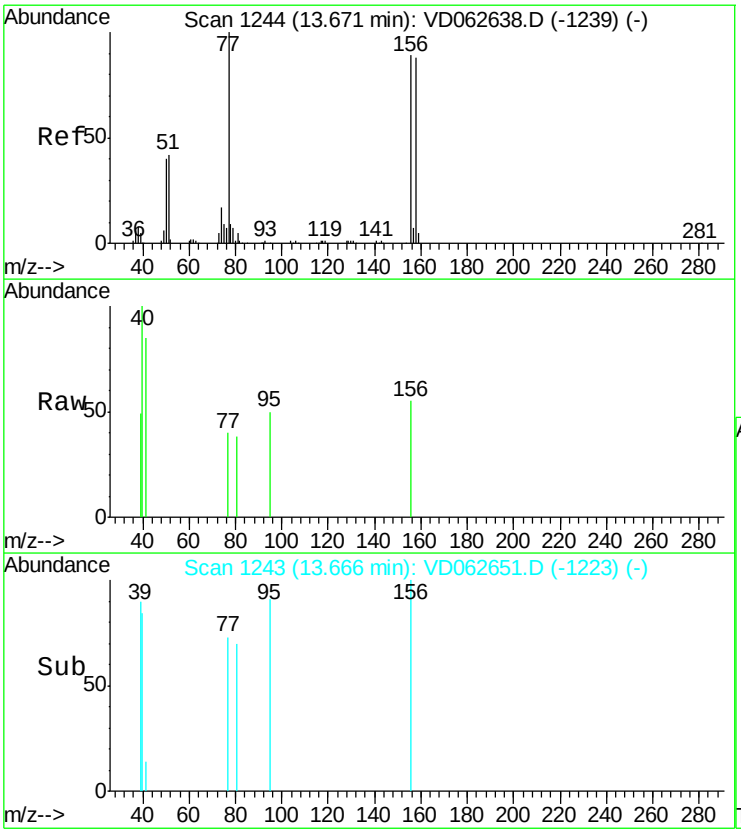

#76
1,2,3-Trichloropropane
Concen: 15.320 ug/l
RT: 13.71 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 75 Resp: 328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.0 | 16.2 | 48.6# |

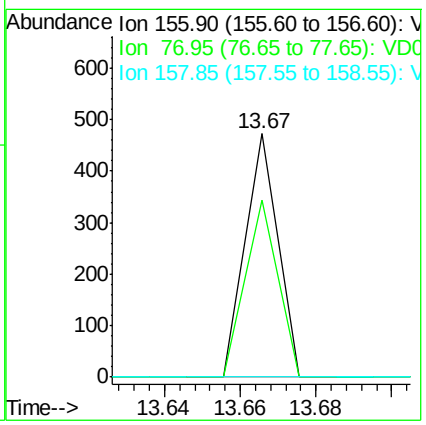


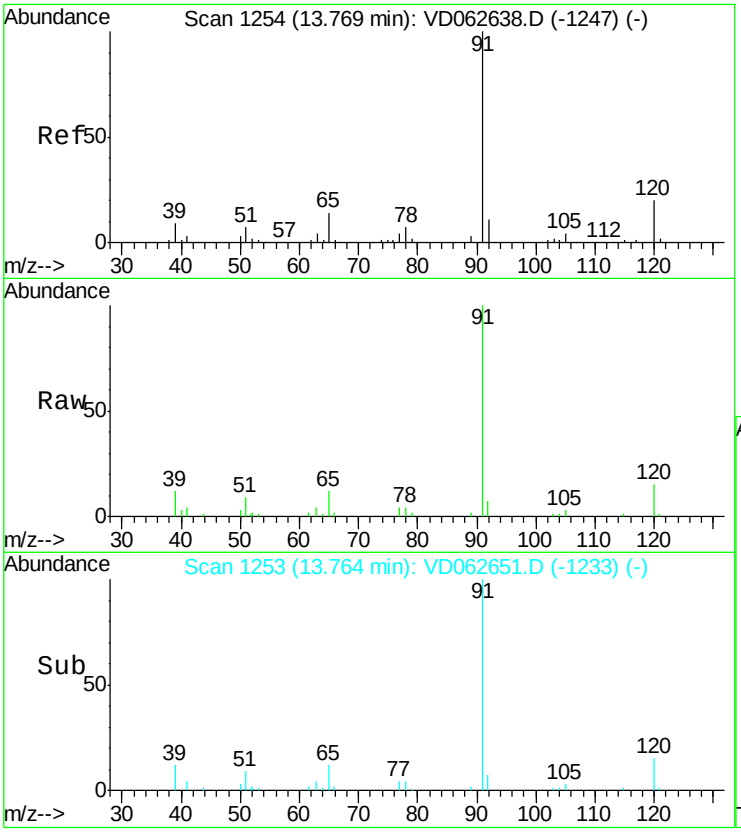




#77
Bromobenzene
Concen: 8.771 ug/l
RT: 13.67 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:156 Resp: 279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 72.9 | 56.3 | 168.8 |
| 158 | 0.0 | 49.6 | 148.8# |



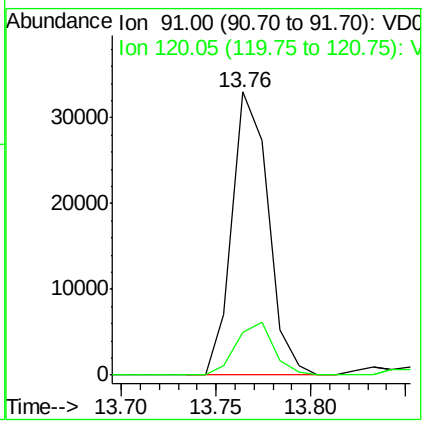


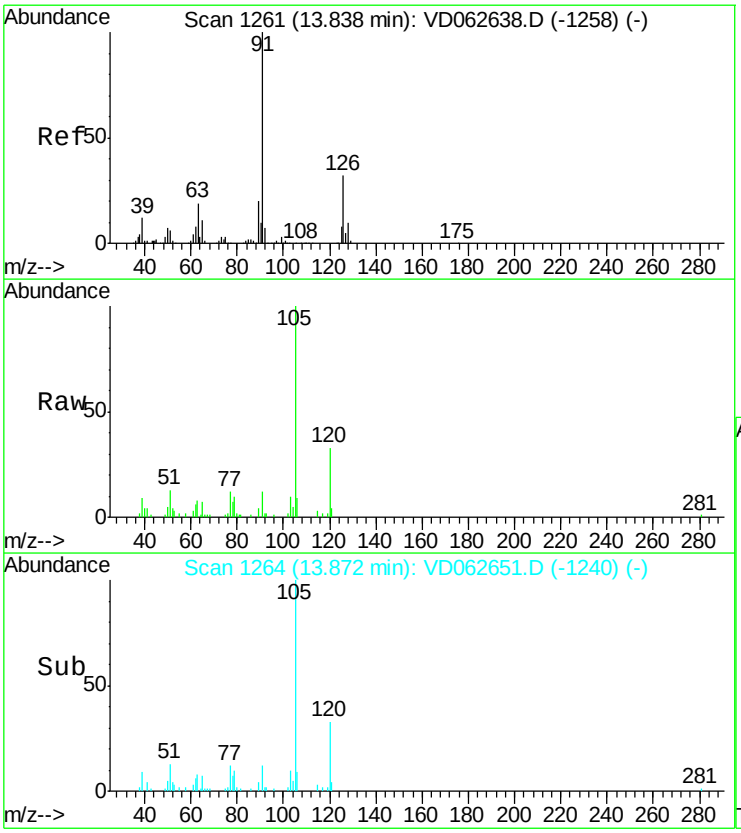

#78
n-propylbenzene
Concen: 320.561 ug/l
RT: 13.76 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 91 Resp: 43671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 15.3 | 9.8 | 29.5 |

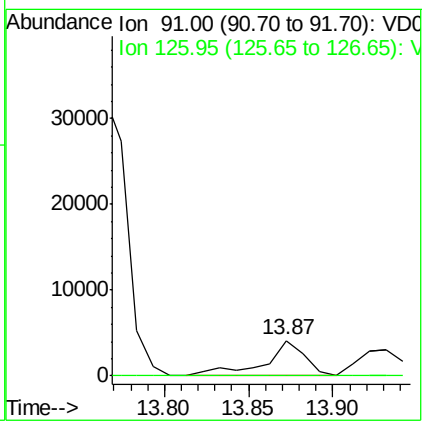


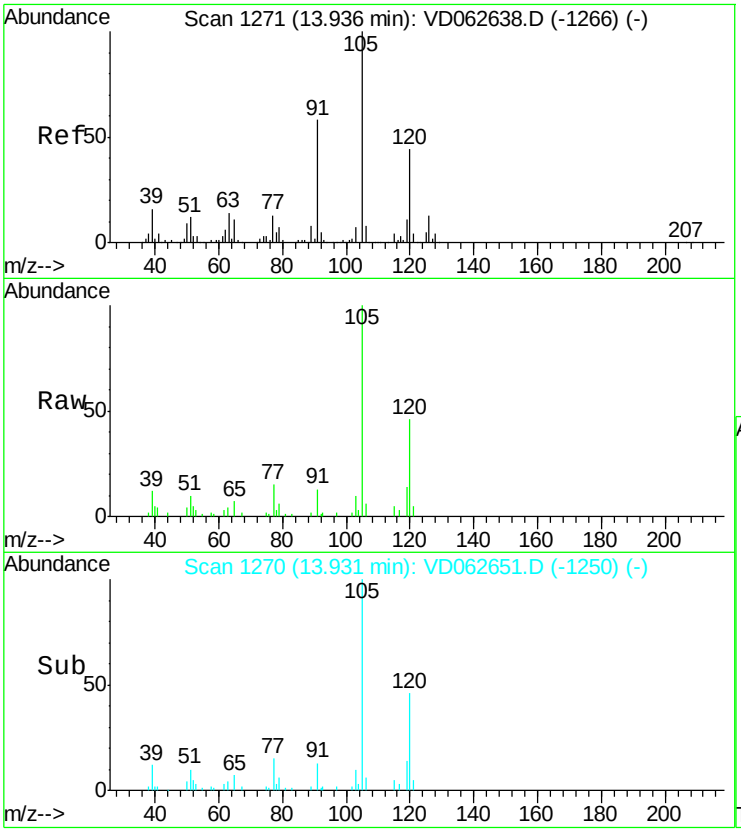




#79
2-Chlorotoluene
Concen: 87.718 ug/l
RT: 13.87 min Scan# 1264
Delta R.T. 0.03 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 91 Resp: 6997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 15.8 | 47.4# |



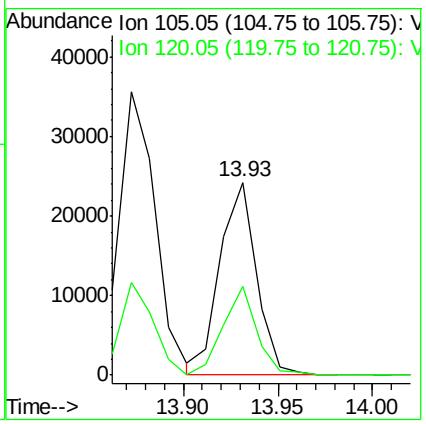


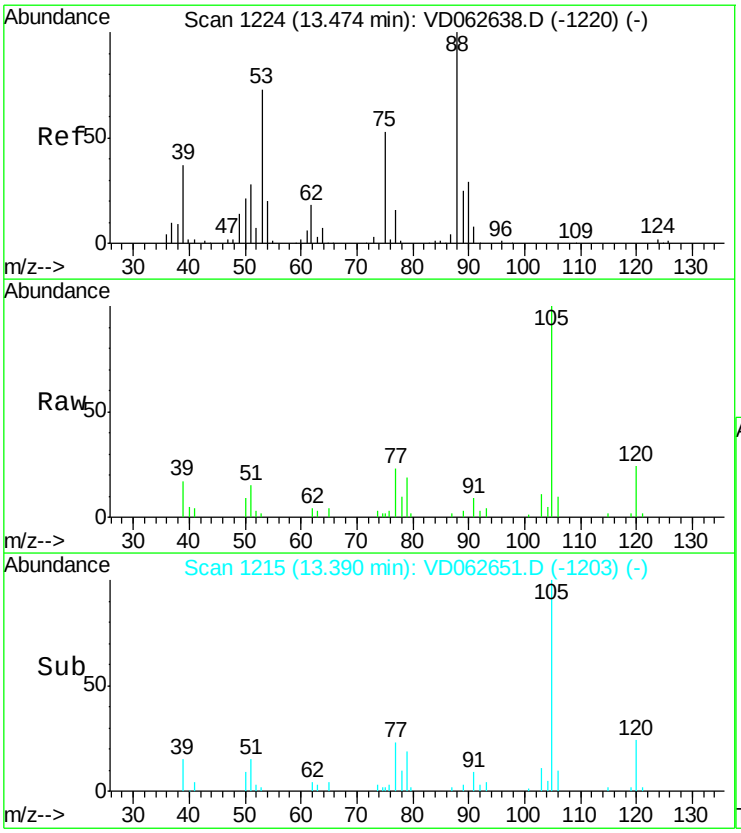

#80
1,3,5-Trimethylbenzene
Concen: 327.881 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:105 Resp: 32251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.2 | 22.1 | 66.5 |

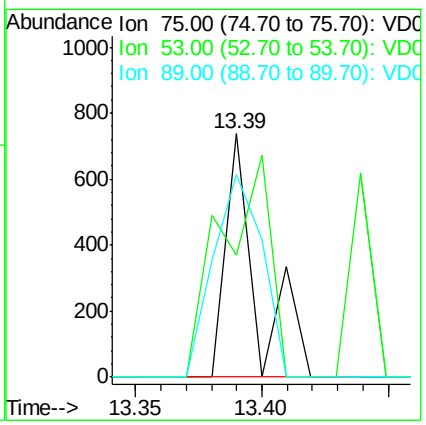


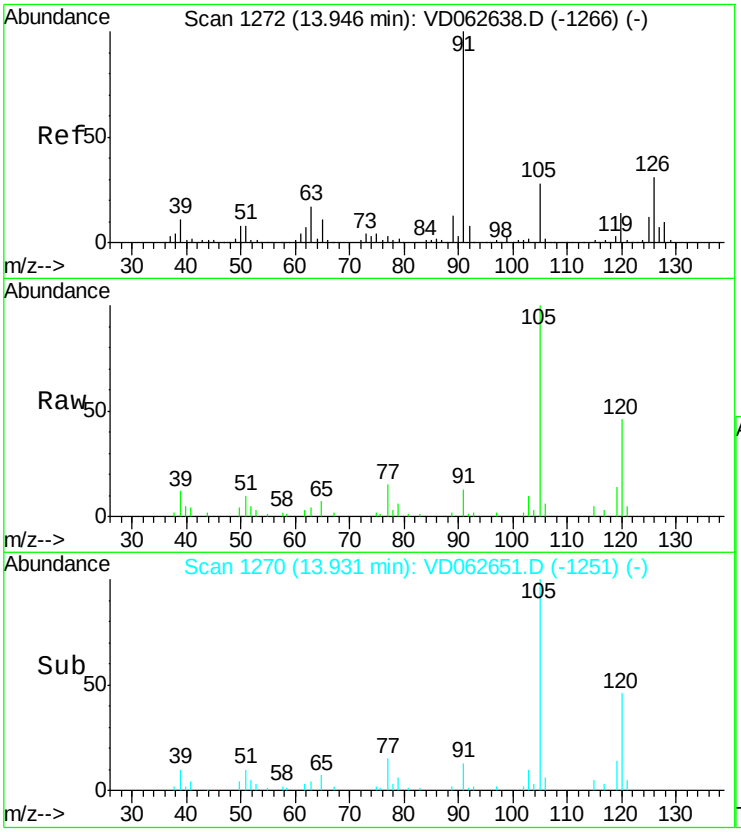




#81
trans-1,4-Dichloro-2-butene
Concen: 95.827 ug/l
RT: 13.39 min Scan# 1215
Delta R.T. -0.08 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 75 Resp: 633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 49.9 | 109.4 | 164.2# |
| 89 | 83.5 | 37.0 | 55.6# |



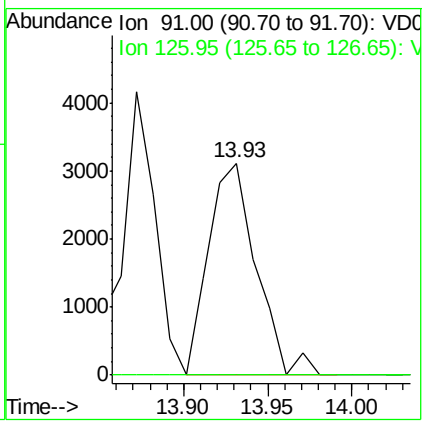


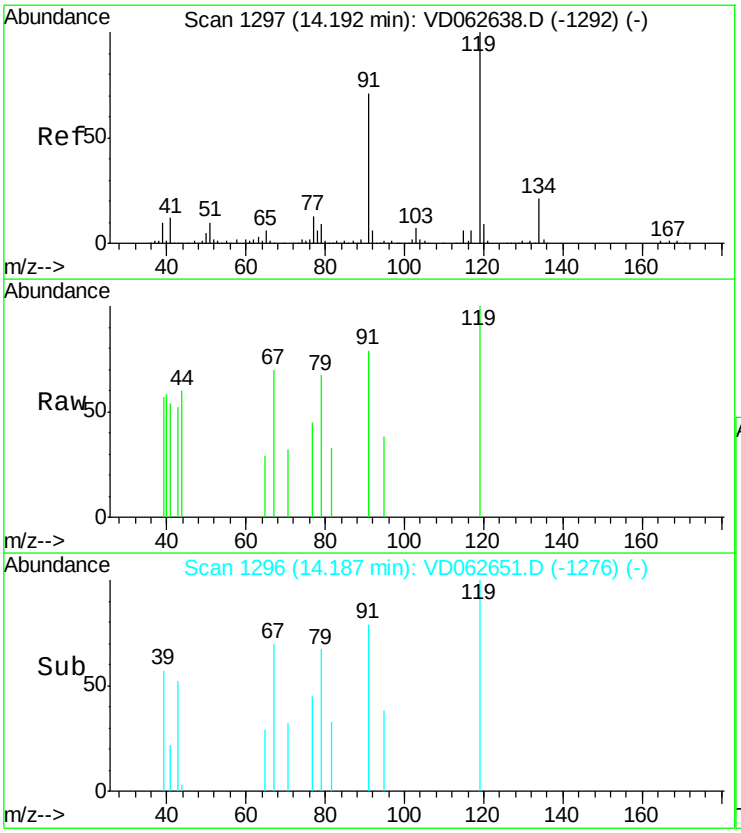

#82
4-Chlorotoluene
Concen: 64.177 ug/l
RT: 13.93 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion: 91 Resp: 6122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 0.0 | 15.6 | 46.8# |

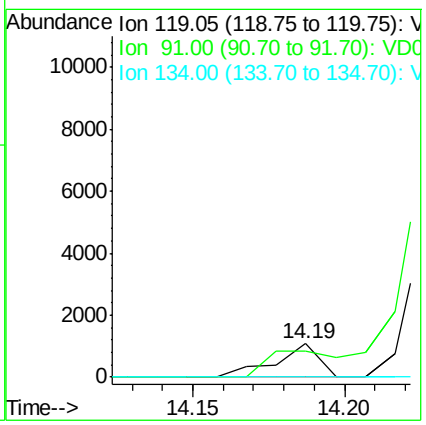


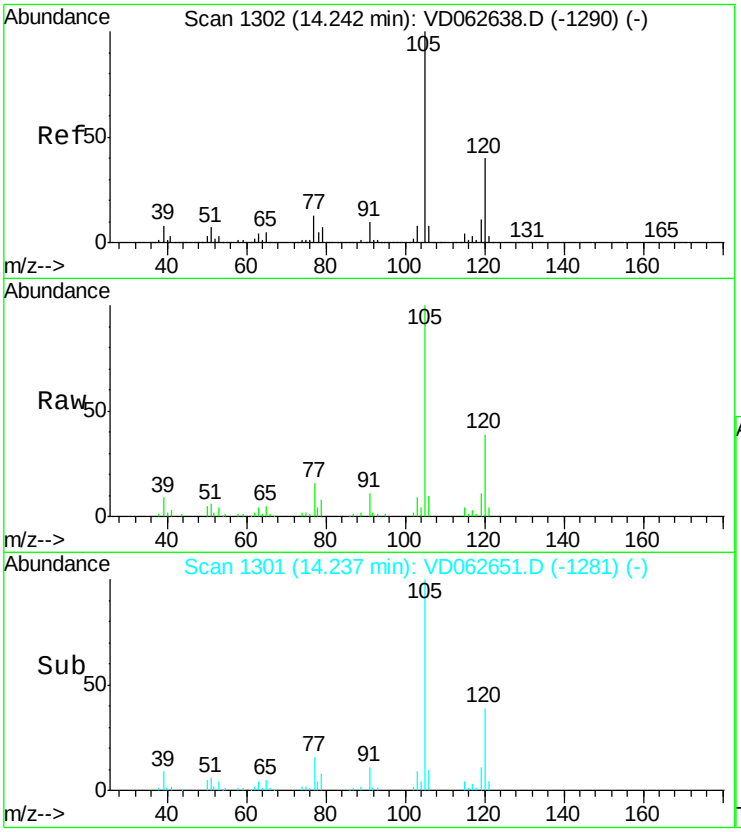




#83
tert-Butylbenzene
Concen: 9.937 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:119 Resp: 1078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 78.9 | 35.4 | 106.1 |
| 134 | 0.0 | 10.8 | 32.3# |



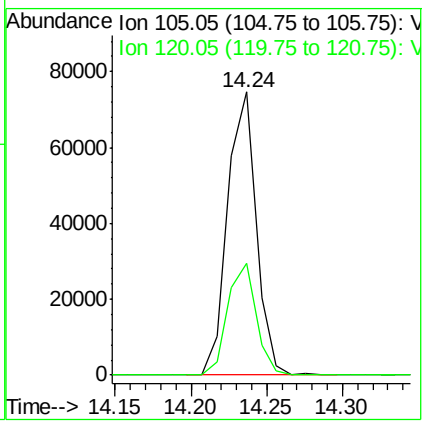


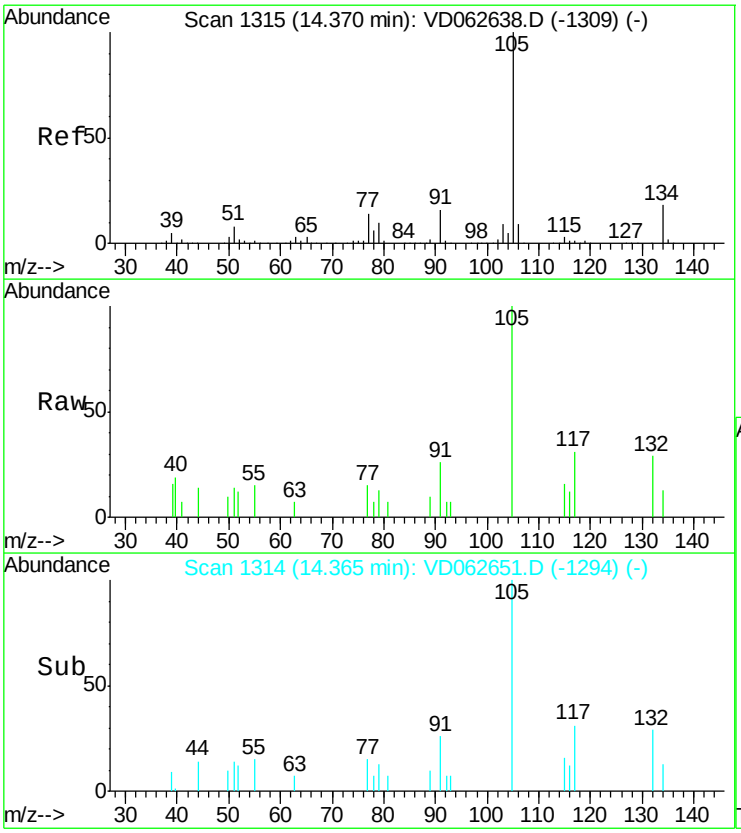

#84
1,2,4-Trimethylbenzene
Concen: 1005.345 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:105 Resp: 97910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 39.4 | 20.3 | 60.8 |

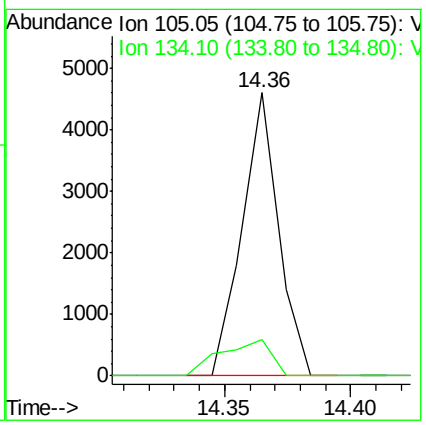


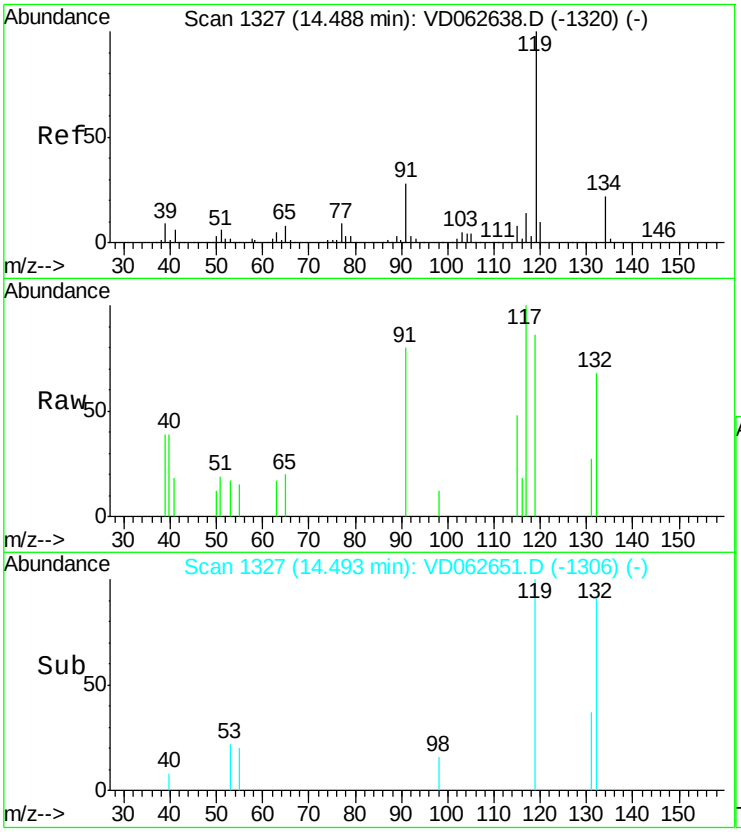




#85
sec-Butylbenzene
Concen: 40.453 ug/l
RT: 14.36 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:105 Resp: 4602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 12.8 | 8.8 | 26.2 |



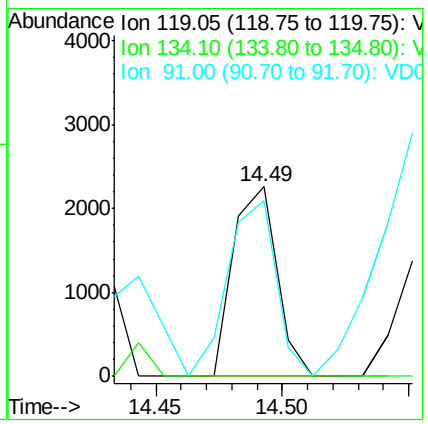


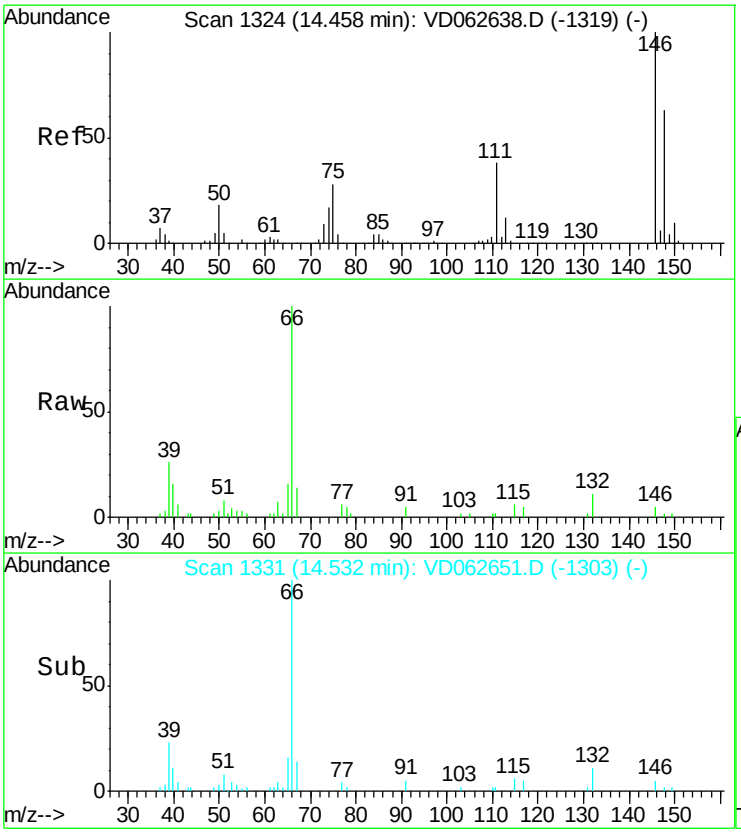

#86
p-Isopropyltoluene
Concen: 24.548 ug/l
RT: 14.49 min Scan# 1327
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :** MSVOA_D
**ClientSampleId :** B-02-2.5-3.0

Tgt Ion:119 Resp: 2719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 0.0 | 10.9 | 32.6# |
| 91 | 93.0 | 13.9 | 41.6# |

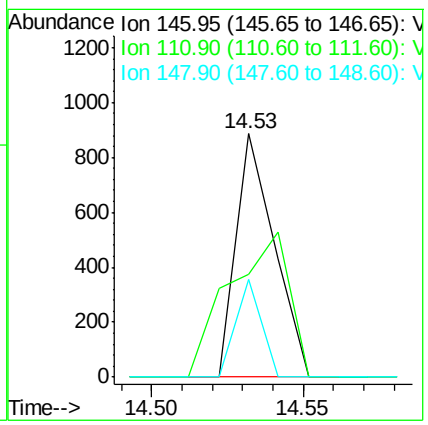


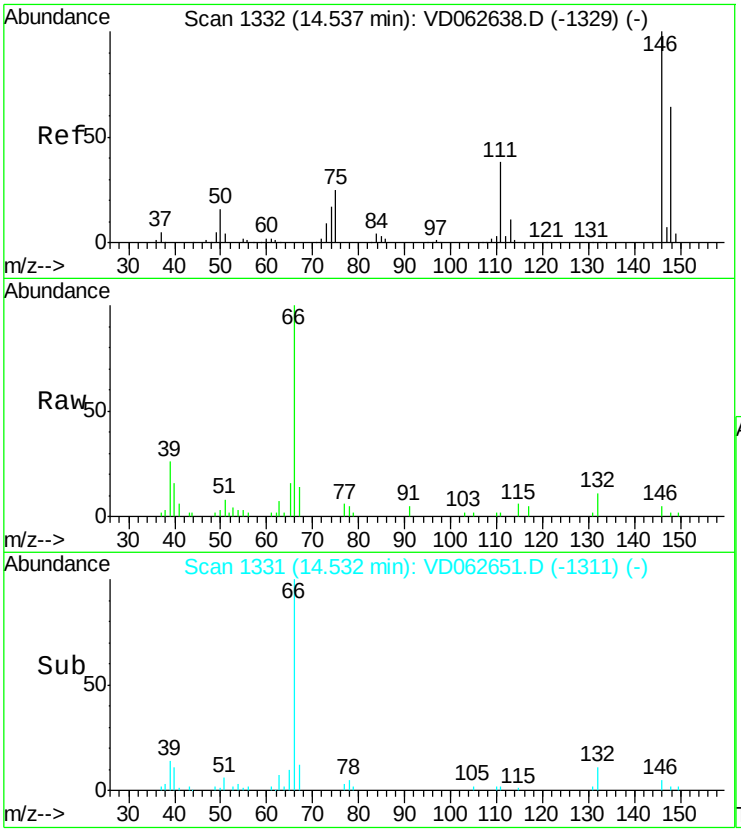




#87
1,3-Dichlorobenzene
Concen: 13.518 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.07 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:146 Resp: 779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 19.2 | 57.6 |
| 148 | 40.4 | 31.6 | 95.0 |



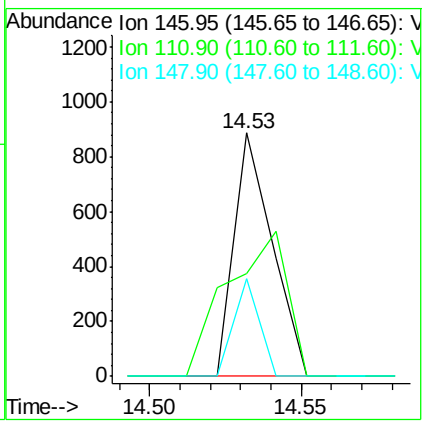


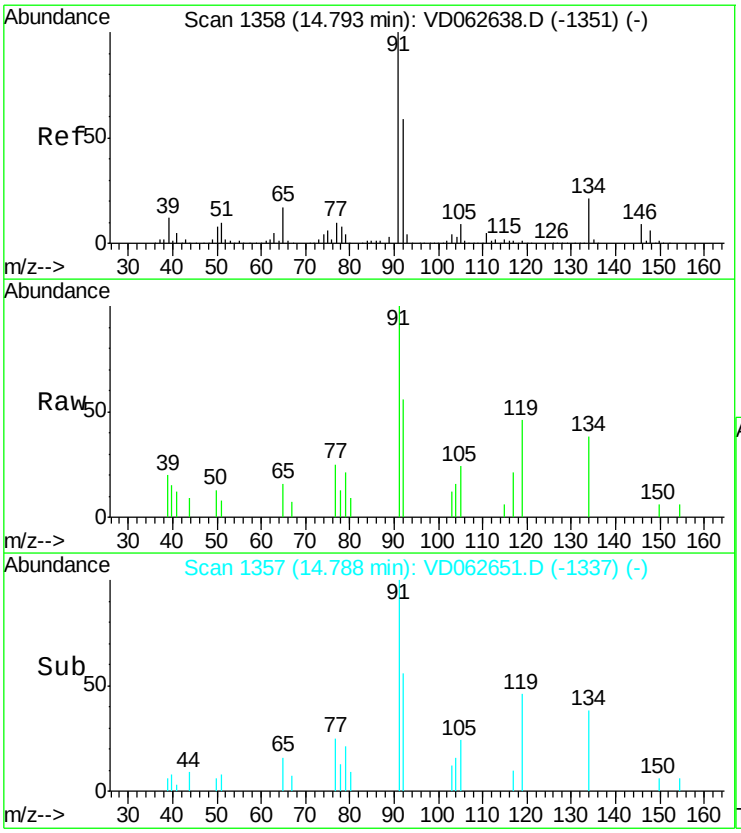

#88
1,4-Dichlorobenzene
Concen: 14.304 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:146 Resp: 779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 18.9 | 56.7 |
| 148 | 40.4 | 32.3 | 96.8 |

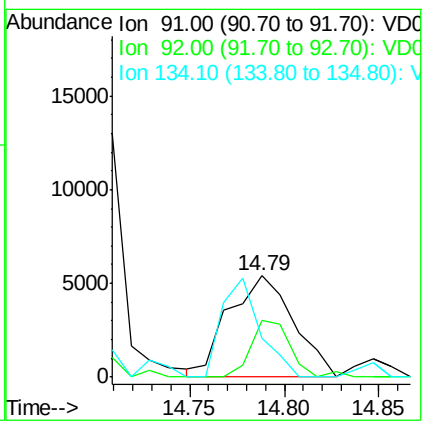


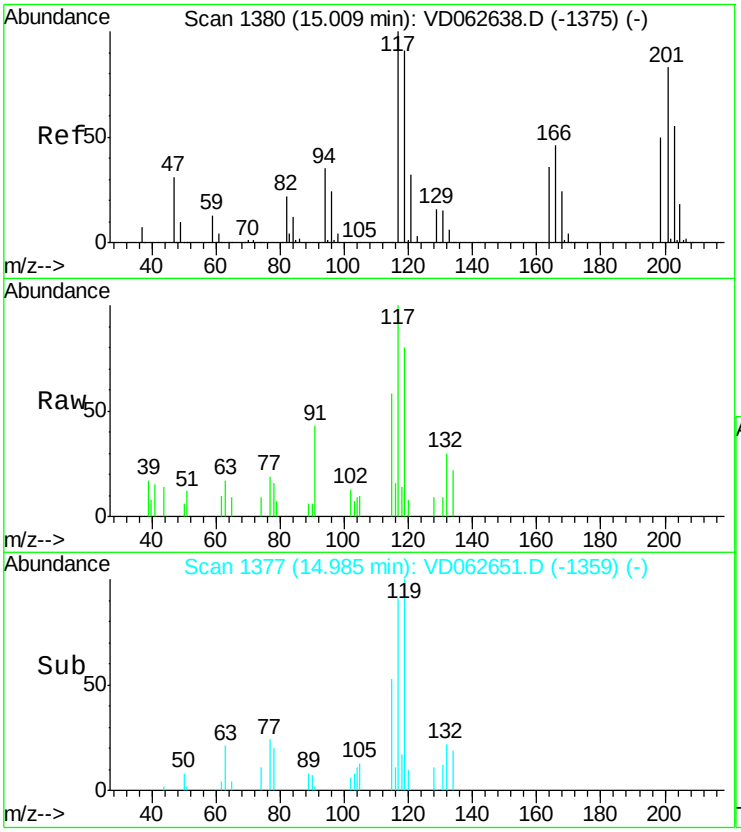




#89
n-Butylbenzene
Concen: 128.547 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion: 91 Resp: 12809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.3 | 29.4 | 88.3 |
| 134 | 37.8 | 10.4 | 31.2# |



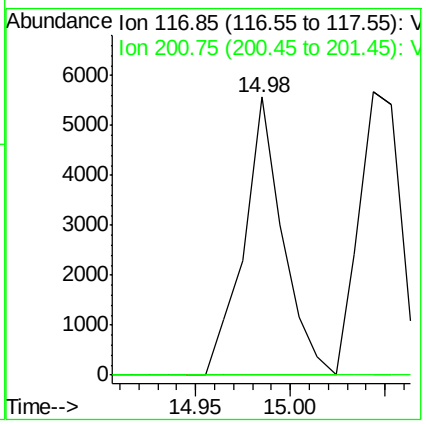


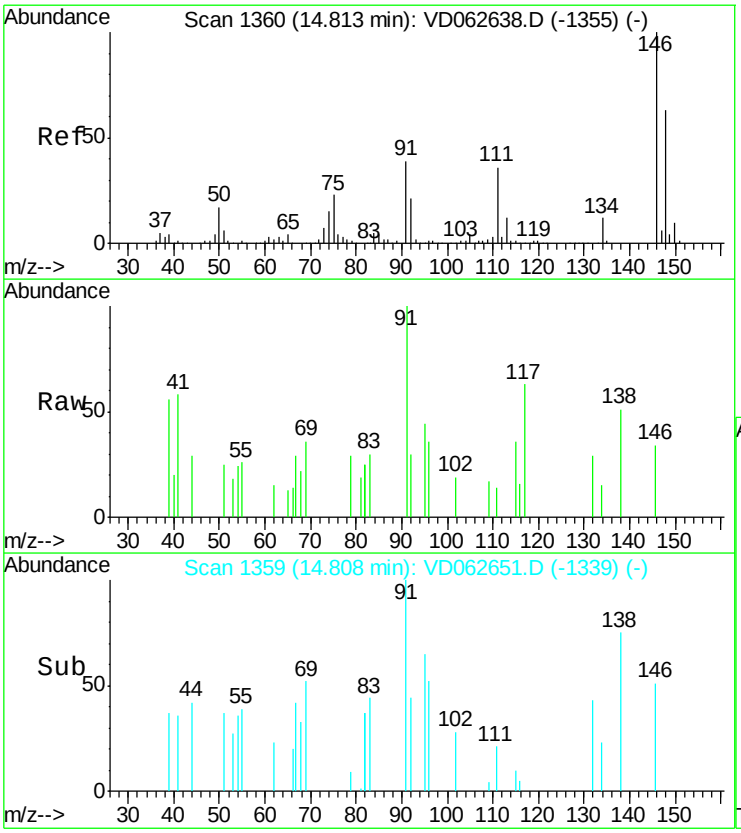

#90
Hexachloroethane
Concen: 274.037 ug/l
RT: 14.98 min Scan# 1377
Delta R.T. -0.02 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:117 Resp: 8013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 41.5 | 124.6# |

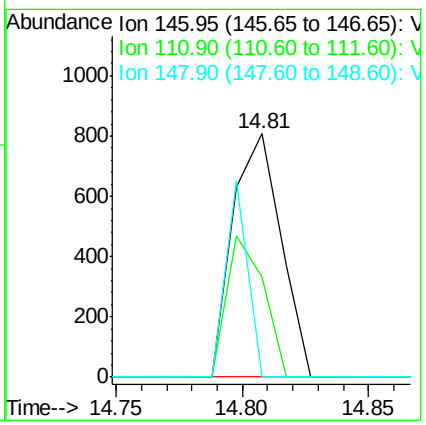


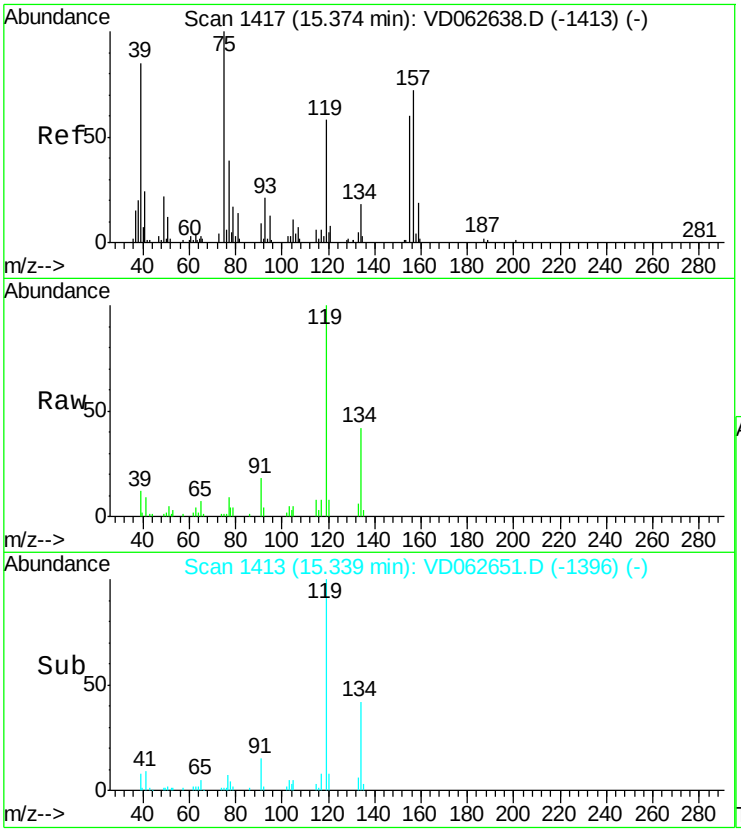




#91
1,2-Dichlorobenzene
Concen: 22.316 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:146 Resp: 1069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 18.1 | 54.3 |
| 148 | 0.0 | 31.4 | 94.0# |



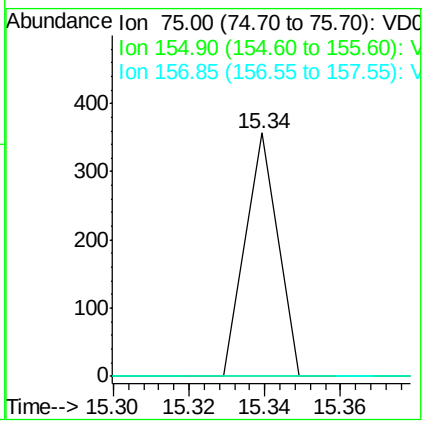


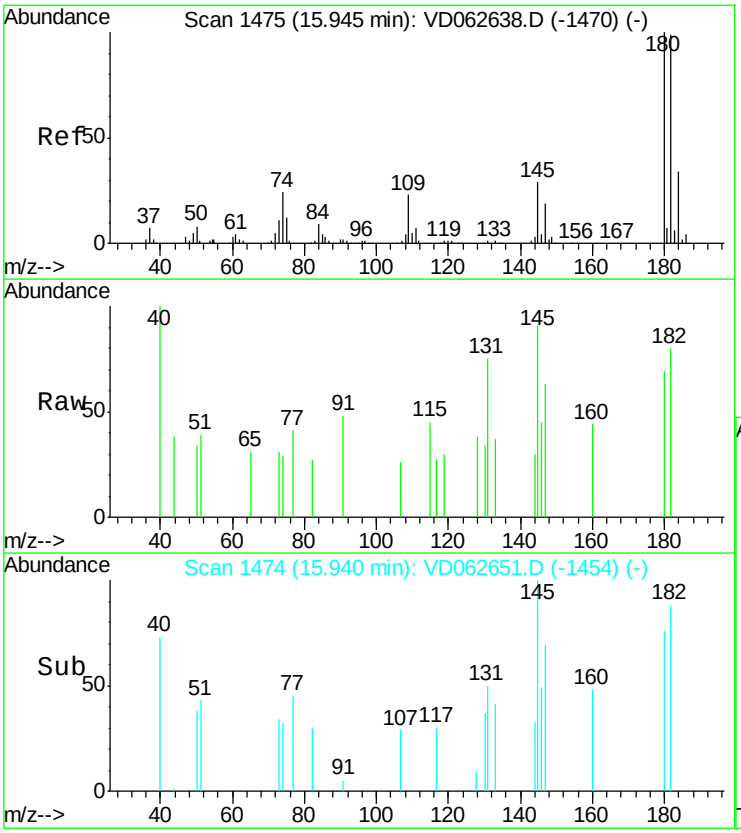

#92
1,2-Dibromo-3-Chloropropane
Concen: 51.871 ug/l
RT: 15.34 min Scan# 1413
Delta R.T. -0.03 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion: 75 Resp: 211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 30.1 | 90.5# |
| 157 | 0.0 | 35.9 | 107.8# |

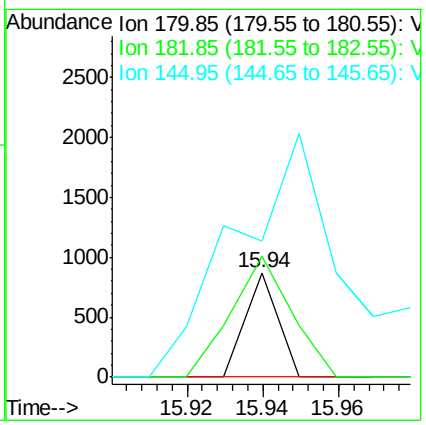


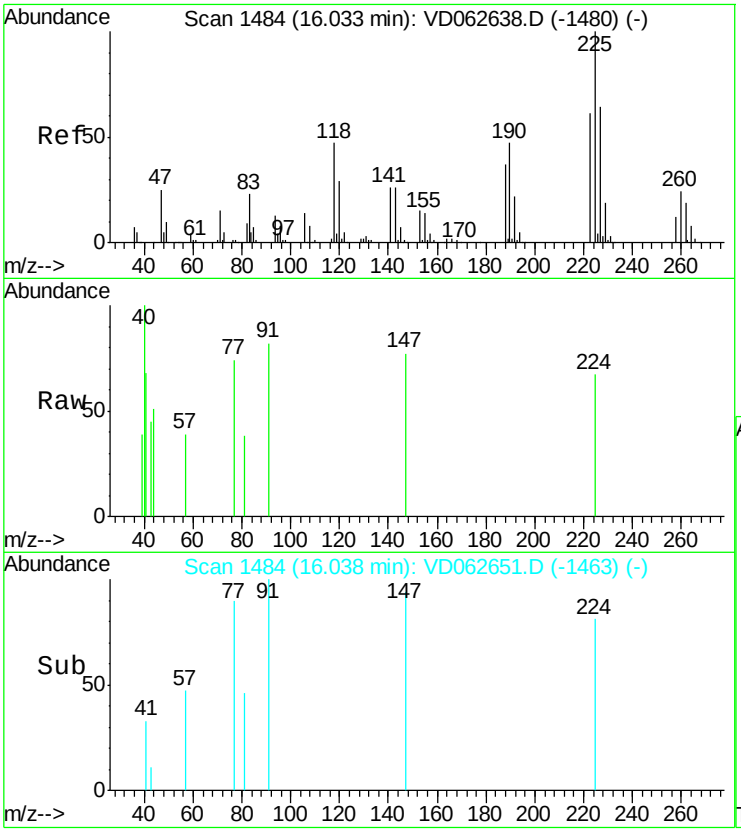




#93
1,2,4-Trichlorobenzene
Concen: 15.291 ug/l
RT: 15.94 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:180 Resp: 513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 115.5 | 49.4 | 148.2 |
| 145 | 131.3 | 14.5 | 43.6# |



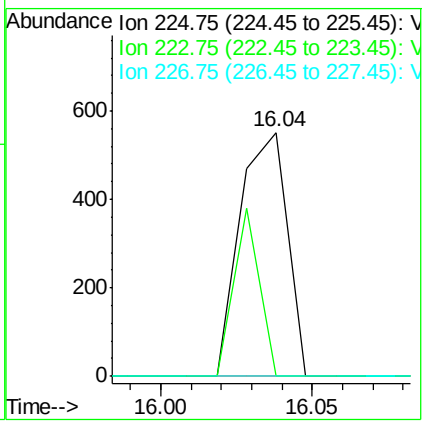


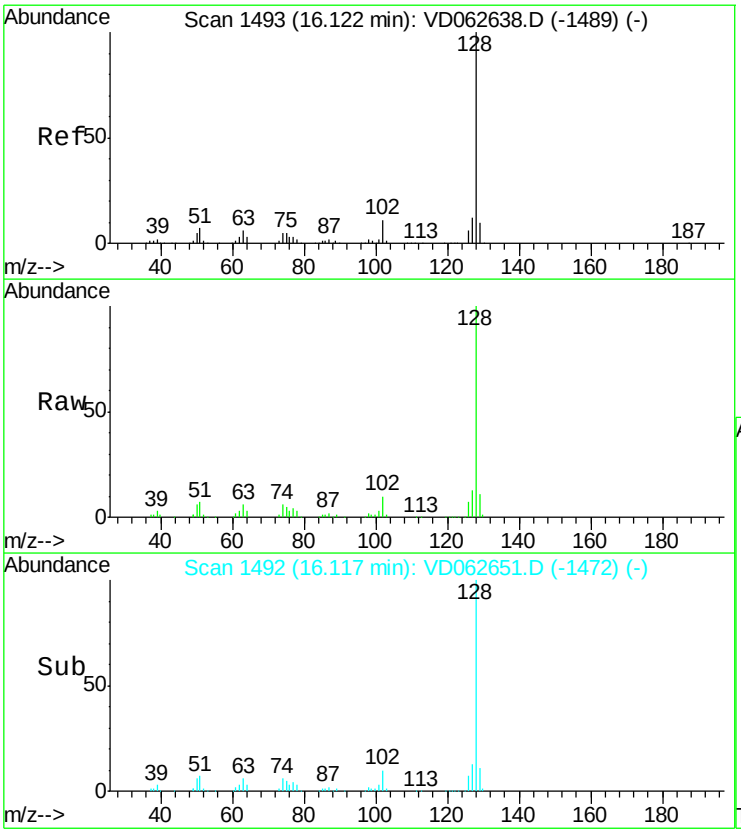

#94
Hexachlorobutadiene
Concen: 21.321 ug/l
RT: 16.04 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:225 Resp: 603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 30.3 | 91.0# |
| 227 | 0.0 | 31.8 | 95.4# |

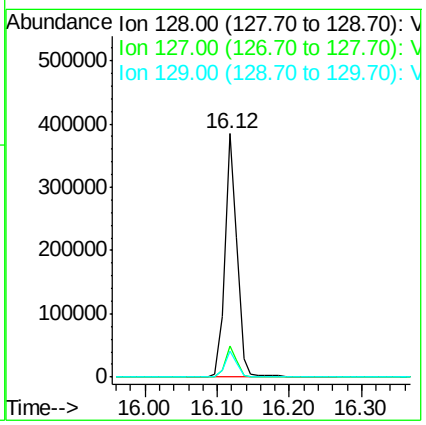


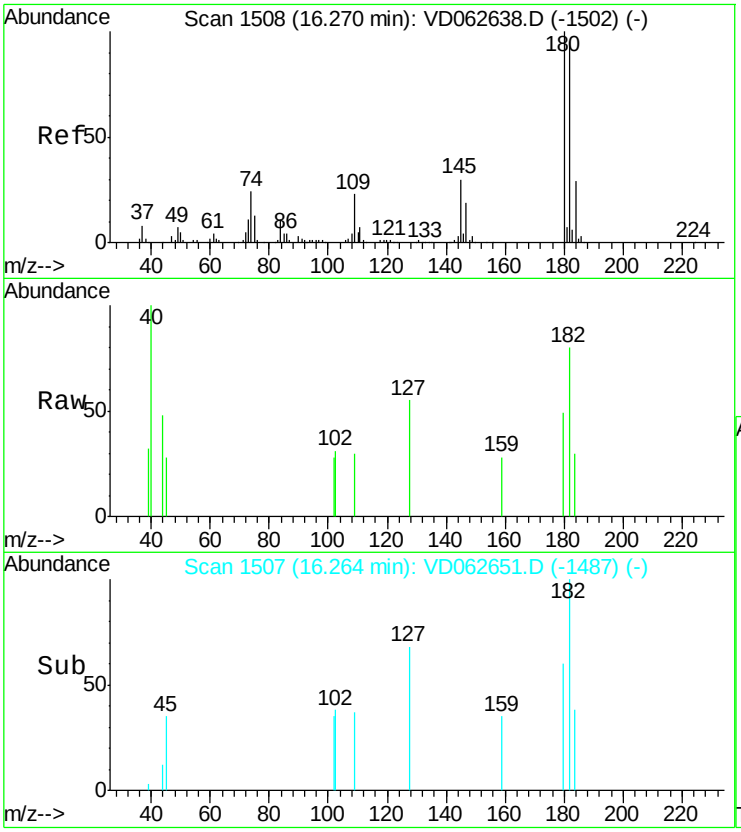




#95
Naphthalene
Concen: 7280.237 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

Tgt Ion:128 Resp: 447808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 9.7 | 14.5 |
| 129 | 10.6 | 8.1 | 12.1 |






#96
1,2,3-Trichlorobenzene
Concen: 11.416 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD062651.D
Acq: 10 Jun 2019 14:11

**Instrument :**
MSVOA_D
**ClientSampleId :**
B-02-2.5-3.0

Tgt Ion:180 Resp: 315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 165.9 | 47.7 | 143.1# |
| 145 | 0.0 | 15.0 | 45.0# |