Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
Data File : VD062368.D
Acq On : 15 May 2019 2:37
Operator : FY/SY
Sample : K2756-18MS
Misc : 6.13g/5mL/MSVOA_D/SOIL
ALS Vial : 34 Sample Multiplier: 1

Quant Time: May 15 03:53:50 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

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.06 | 168 | 41066 | 50.00 | ug/l | | 0.04 |
| 34) 1,4-Difluorobenzene | 8.24 | 114 | 59952 | 50.00 | ug/l | | 0.05 |
| 63) Chlorobenzene-d5 | 12.37 | 117 | 55317 | 50.00 | ug/l | | 0.02 |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152 | 26775 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 7.46 | 65 | 54594 | 143.05 | ug/l | | 0.04 |
| Spiked Amount 50.000 | | | Recovery = 286.10% | | | | |
| 35) Dibromofluoromethane | 6.93 | 113 | 42898 | 86.24 | ug/l | | 0.04 |
| Spiked Amount 50.000 | | | Recovery = 172.48% | | | | |
| 50) Toluene-d8 | 10.42 | 98 | 72737 | 60.65 | ug/l | | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 121.30% | | | | |
| 62) 4-Bromofluorobenzene | 13.57 | 95 | 35189 | 73.07 | ug/l | | 0.02 |
| Spiked Amount 50.000 | | | Recovery = 146.14% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.59 | 85 | 18250 | 46.466 | ug/l | | 94 |
| 3) Chloromethane | 1.76 | 50 | 13987 | 49.285 | ug/l | | 96 |
| 4) Vinyl Chloride | 1.86 | 62 | 12835 | 46.018 | ug/l | | 93 |
| 5) Bromomethane | 2.17 | 94 | 12557 | 192.139 | ug/l | | 92 |
| 6) Chloroethane | 2.29 | 64 | 7244 | 61.896 | ug/l | # | 84 |
| 7) Trichlorofluoromethane | 2.55 | 101 | 36976 | 68.190 | ug/l | | 95 |
| 8) Diethyl Ether | 2.89 | 74 | 9904 | 94.705 | ug/l | | 74 |
| 9) 1,1,2-Trichlorotrifluoroet | 3.17 | 101 | 16352 | 39.864 | ug/l | | 96 |
| 10) Methyl Iodide | 3.32 | 142 | 19968 | 32.209 | ug/l | # | 57 |
| 11) Tert butyl alcohol | 4.08 | 59 | 21325 | 1094.701 | ug/l | # | 92 |
| 12) 1,1-Dichloroethene | 3.14 | 96 | 13252 | 42.322 | ug/l | # | 74 |
| 14) Allyl chloride | 3.64 | 41 | 29791 | 65.435 | ug/l | # | 79 |
| 15) Acrylonitrile | 4.21 | 53 | 46738 | 912.801 | ug/l | # | 82 |
| 16) Acetone | 3.23 | 43 | 116282 | 1452.940 | ug/l | # | 80 |
| 17) Carbon Disulfide | 3.40 | 76 | 32708 | 36.312 | ug/l | | 97 |
| 18) Methyl Acetate | 3.66 | 43 | 120165 | 844.335 | ug/l | # | 87 |
| 19) Methyl tert-butyl Ether | 4.26 | 73 | 84458 | 125.839 | ug/l | | 94 |
| 20) Methylene Chloride | 3.83 | 84 | 24522 | 73.383 | ug/l | | 92 |
| 21) trans-1,2-Dichloroethene | 4.25 | 96 | 17775 | 51.014 | ug/l | | 96 |
| 22) Diisopropyl ether | 5.14 | 45 | 83532 | 86.220 | ug/l | # | 87 |
| 23) Vinyl Acetate | 5.14 | 43 | 39131 | 76.553 | ug/l | # | 77 |
| 24) 1,1-Dichloroethane | 5.00 | 63 | 38816 | 66.414 | ug/l | # | 95 |
| 25) 2-Butanone | 6.09 | 43 | 94238 | 1079.524 | ug/l | # | 89 |
| 26) 2,2-Dichloropropane | 6.05 | 77 | 32832 | 56.395 | ug/l | | 95 |
| 27) cis-1,2-Dichloroethene | 6.06 | 96 | 23932 | 61.363 | ug/l | | 94 |
| 28) Bromochloromethane | 6.46 | 49 | 27653 | 120.260 | ug/l | # | 79 |
| 29) Tetrahydrofuran | 6.48 | 42 | 45134 | 1122.112 | ug/l | | 91 |
| 30) Chloroform | 6.69 | 83 | 55003 | 78.088 | ug/l | | 97 |
| 31) Cyclohexane | 6.96 | 56 | 13432 | 33.546 | ug/l | | 88 |
| 32) 1,1,1-Trichloroethane | 6.89 | 97 | 41681 | 62.607 | ug/l | | 99 |
| 36) 1,1-Dichloropropene | 7.17 | 75 | 23082 | 46.957 | ug/l | | 83 |
| 37) Ethyl Acetate | 6.19 | 43 | 6535m | 31.349 | ug/l | | |
| 38) Carbon Tetrachloride | 7.14 | 117 | 35796 | 52.614 | ug/l | # | 93 |
| 39) Methylcyclohexane | 8.88 | 83 | 9547 | 20.271 | ug/l | | 93 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
Data File : VD062368.D
Acq On : 15 May 2019 2:37
Operator : FY/SY
Sample : K2756-18MS
Misc : 6.13g/5mL/MSVOA_D/SOIL
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

Quant Time: May 15 03:53:50 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) |
|---|---|---|---|---|---|---|
| 40) Benzene | 7.47 | 78 | 60389 | 54.406 ug/l | | 96 |
| 41) Methacrylonitrile | 6.47 | 41 | 50328 | 197.561 ug/l | # | 72 |
| 42) 1,2-Dichloroethane | 7.60 | 62 | 57983 | 123.295 ug/l | | 88 |
| 43) Isopropyl Acetate | 9.26 | 43 | 3128 | 10.580 ug/l | # | 43 |
| 44) Trichloroethene | 8.56 | 130 | 17799 | 42.082 ug/l | | 81 |
| 45) 1,2-Dichloropropane | 8.95 | 63 | 16715 | 60.881 ug/l | # | 89 |
| 46) Dibromomethane | 9.08 | 93 | 26936 | 120.647 ug/l | | 93 |
| 47) Bromodichloromethane | 9.39 | 83 | 48372 | 88.576 ug/l | | 94 |
| 48) Methyl methacrylate | 9.14 | 41 | 41349 | 227.063 ug/l | # | 75 |
| 49) 1,4-Dioxane | 9.10 | 88 | 8243 | 4195.319 ug/l | # | 64 |
| 51) 4-Methyl-2-Pentanone | 10.31 | 43 | 177529 | 934.160 ug/l | | 90 |
| 52) Toluene | 10.52 | 92 | 40319 | 55.828 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.93 | 75 | 43866 | 92.938 ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 10.05 | 75 | 35423 | 68.795 ug/l | # | 80 |
| 55) 1,1,2-Trichloroethane | 11.20 | 97 | 28154 | 110.179 ug/l | # | 87 |
| 56) Ethyl methacrylate | 11.05 | 69 | 2315 | 8.718 ug/l | # | 54 |
| 57) 1,3-Dichloropropane | 11.42 | 76 | 42522 | 110.148 ug/l | | 96 |
| 58) 2-Chloroethyl Vinyl ether | 9.87 | 63 | 105390 | 726.609 ug/l | | 98 |
| 59) 2-Hexanone | 11.54 | 43 | 125841 | 898.430 ug/l | | 87 |
| 60) Dibromochloromethane | 11.70 | 129 | 44629 | 101.060 ug/l | | 92 |
| 61) 1,2-Dibromoethane | 11.81 | 107 | 36537 | 117.609 ug/l | | 89 |
| 64) Tetrachloroethene | 11.27 | 164 | 15703 | 36.303 ug/l | | 96 |
| 65) Chlorobenzene | 12.40 | 112 | 46475 | 45.108 ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 12.52 | 131 | 27048 | 60.321 ug/l | | 92 |
| 67) Ethyl Benzene | 12.53 | 91 | 79141 | 45.882 ug/l | | 94 |
| 68) m/p-Xylenes | 12.68 | 106 | 46711 | 74.434 ug/l | | 81 |
| 69) o-Xylene | 13.05 | 106 | 28610 | 49.038 ug/l | | 79 |
| 70) Styrene | 13.08 | 104 | 52197 | 52.813 ug/l | # | 91 |
| 71) Bromoform | 13.24 | 173 | 32220 | 103.280 ug/l | # | 96 |
| 73) Isopropylbenzene | 13.41 | 105 | 65712 | 40.943 ug/l | | 95 |
| 75) 1,1,2,2-Tetrachloroethane | 13.70 | 83 | 39957 | 131.506 ug/l | | 92 |
| 76) 1,2,3-Trichloropropane | 13.74 | 75 | 43864 | 137.850 ug/l | | 97 |
| 77) Bromobenzene | 13.67 | 156 | 27017 | 60.132 ug/l | | 85 |
| 78) n-propylbenzene | 13.78 | 91 | 67670 | 35.345 ug/l | | 95 |
| 79) 2-Chlorotoluene | 13.85 | 91 | 53281 | 48.592 ug/l | | 90 |
| 80) 1,3,5-Trimethylbenzene | 13.94 | 105 | 54641 | 40.429 ug/l | | 88 |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75 | 8277 | 92.141 ug/l | # | 39 |
| 82) 4-Chlorotoluene | 13.95 | 91 | 60946 | 47.234 ug/l | | 74 |
| 83) tert-Butylbenzene | 14.20 | 119 | 61328 | 40.371 ug/l | | 84 |
| 84) 1,2,4-Trimethylbenzene | 14.24 | 105 | 59558 | 43.914 ug/l | | 87 |
| 85) sec-Butylbenzene | 14.37 | 105 | 39377 | 23.642 ug/l | | 98 |
| 86) p-Isopropyltoluene | 14.50 | 119 | 40508 | 27.222 ug/l | | 91 |
| 87) 1,3-Dichlorobenzene | 14.46 | 146 | 33585 | 40.920 ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 14.54 | 146 | 37429 | 46.413 ug/l | | 93 |
| 89) n-Butylbenzene | 14.81 | 91 | 29096 | 21.784 ug/l | | 89 |
| 90) Hexachloroethane | 15.01 | 117 | 11117 | 27.471 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 14.82 | 146 | 32717 | 48.402 ug/l | | 97 |
| 92) 1,2-Dibromo-3-Chloropropan | 15.39 | 75 | 9175 | 183.955 ug/l | | 70 |
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180 | 15195 | 30.885 ug/l | | 91 |
| 94) Hexachlorobutadiene | 16.05 | 225 | 3204 | 8.756 ug/l | | 88 |

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Acq On : 15 May 2019 2:37
Operator : FY/SY
Sample : K2756-18MS
Misc : 6.13g/5mL/MSVOA_D/SOIL
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

Quant Time: May 15 03:53:50 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) |
|---|---|---|---|---|---|
| 95) Naphthalene | 16.12 | 128 | 46025 | 67.007 ug/l # | 94 |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180 | 11825 | 38.227 ug/l | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
Data File : VD062368.D
Acq On : 15 May 2019 2:37
Operator : FY/SY
Sample : K2756-18MS
Misc : 6.13g/5mL/MSVOA_D/SOIL
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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

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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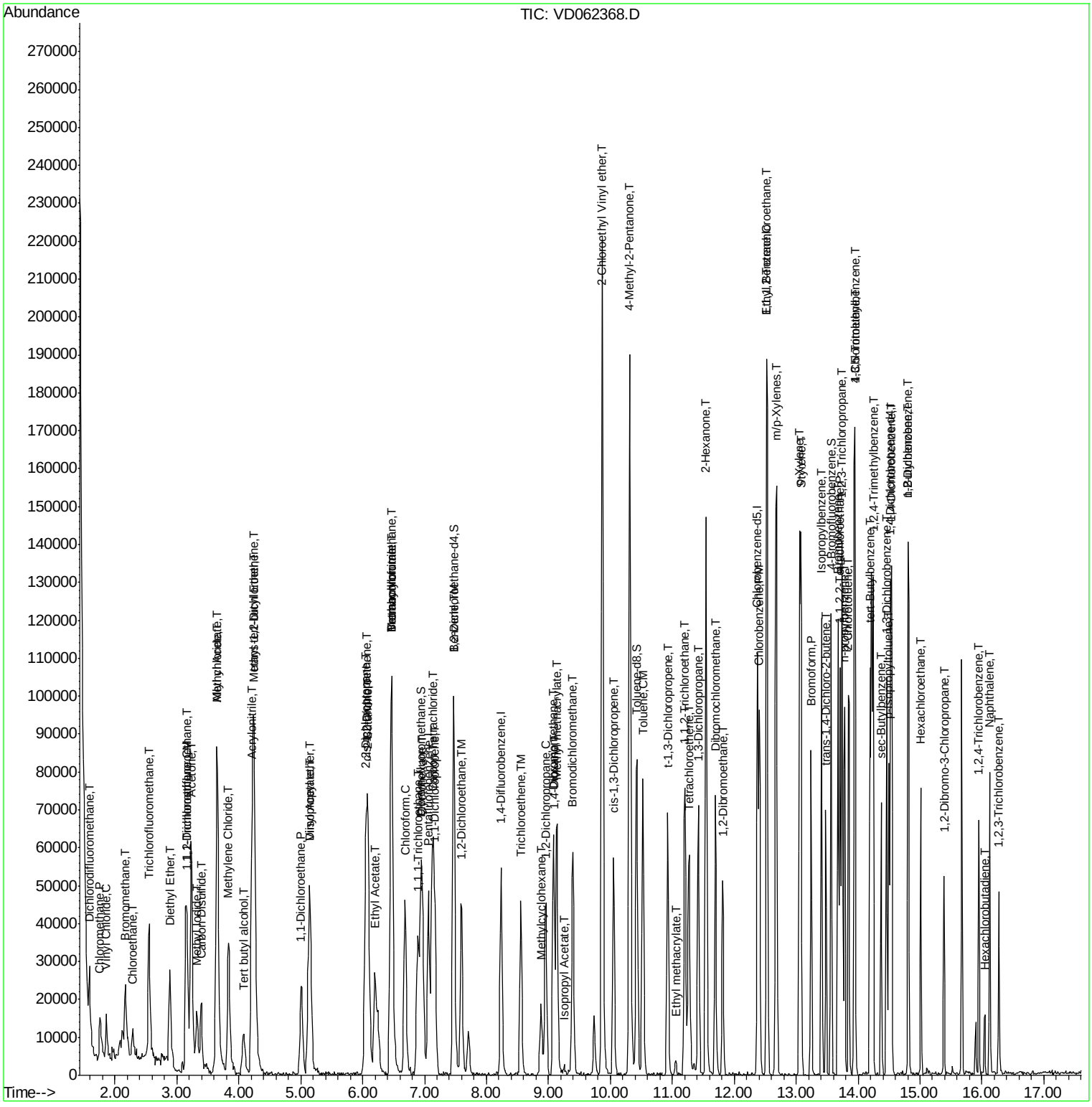
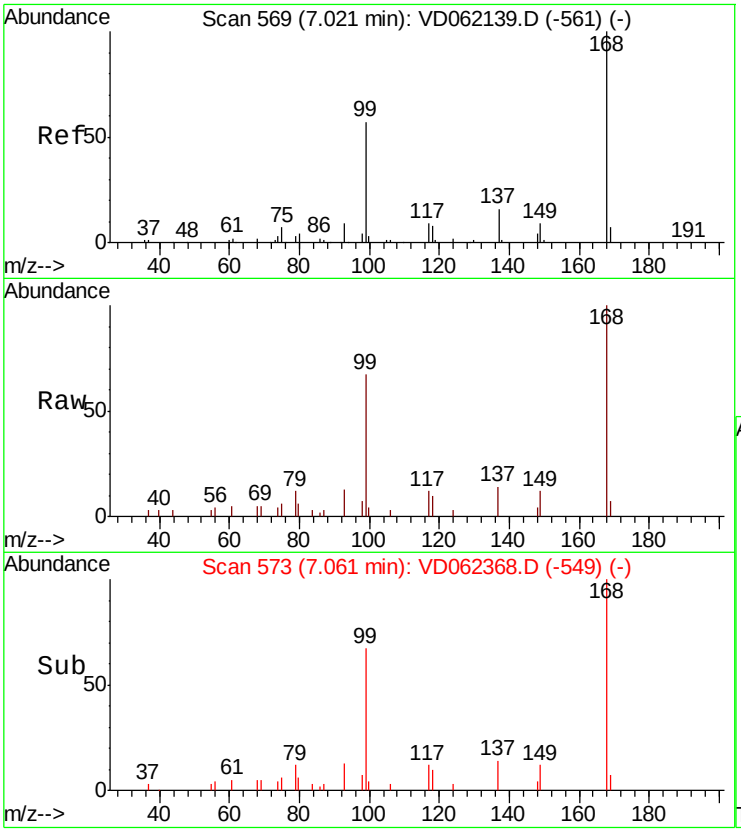
5/15/2019 9:45:57 AM

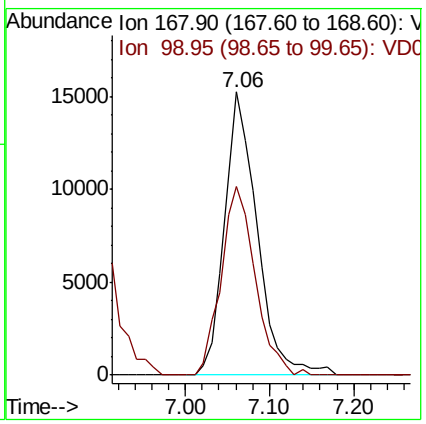





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

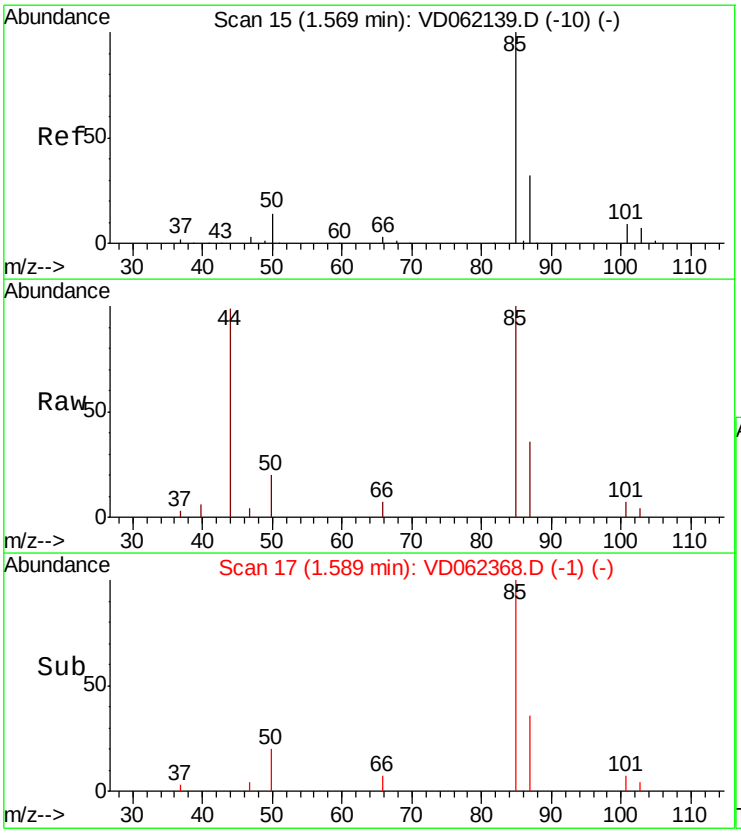
Tgt Ion:168 Resp: 41066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.8 | 46.5 | 69.7 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

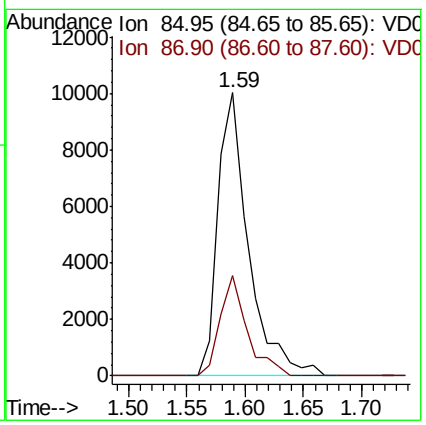
**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

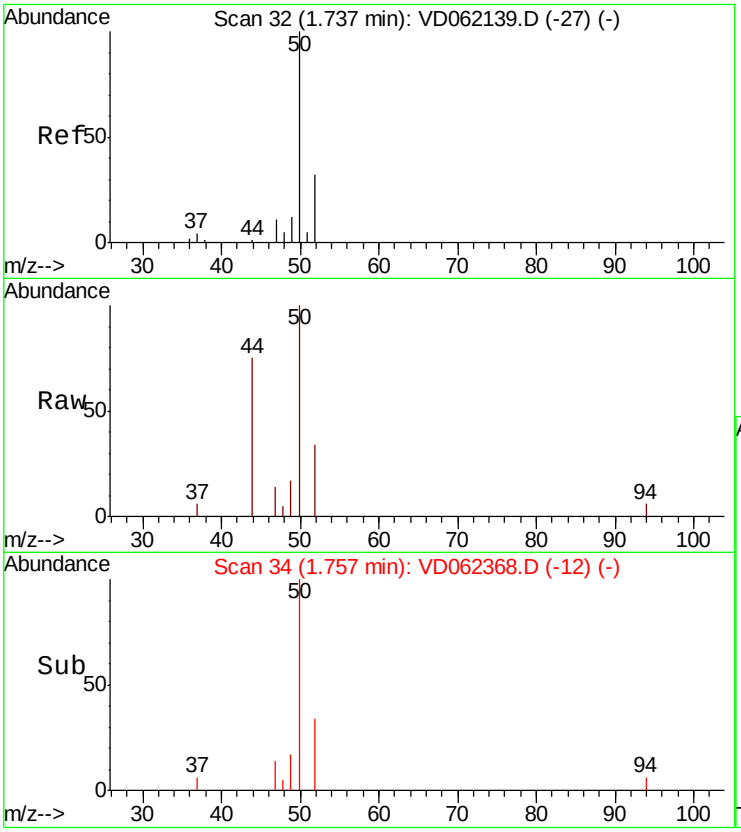



#2
Dichlorodifluoromethane
Concen: 46.466 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 85 Resp: 18250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 35.7 | 16.2 | 48.6 |

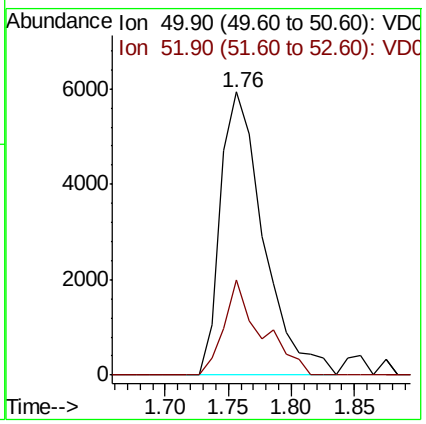





#3
Chloromethane
Concen: 49.285 ug/l
RT: 1.76 min Scan# 34
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

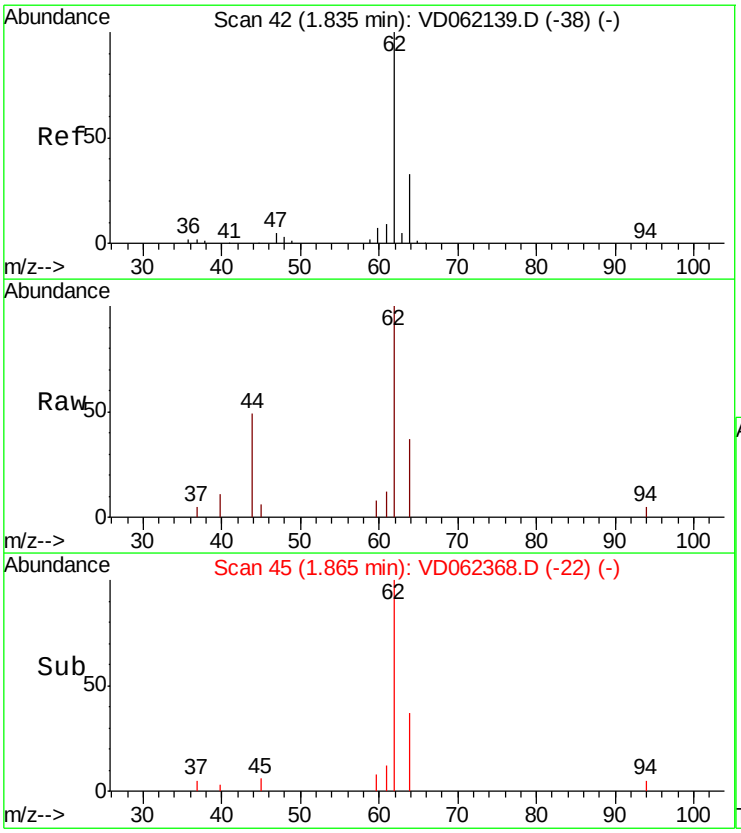
Tgt Ion: 50 Resp: 13987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.6 | 25.2 | 37.8 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

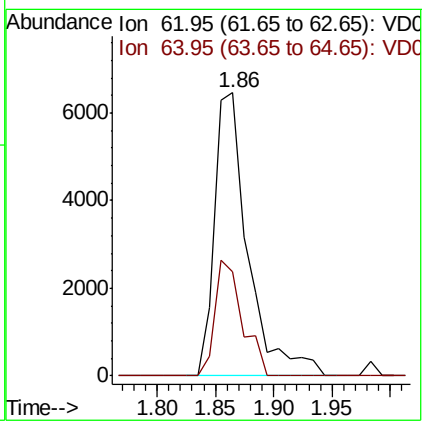
**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

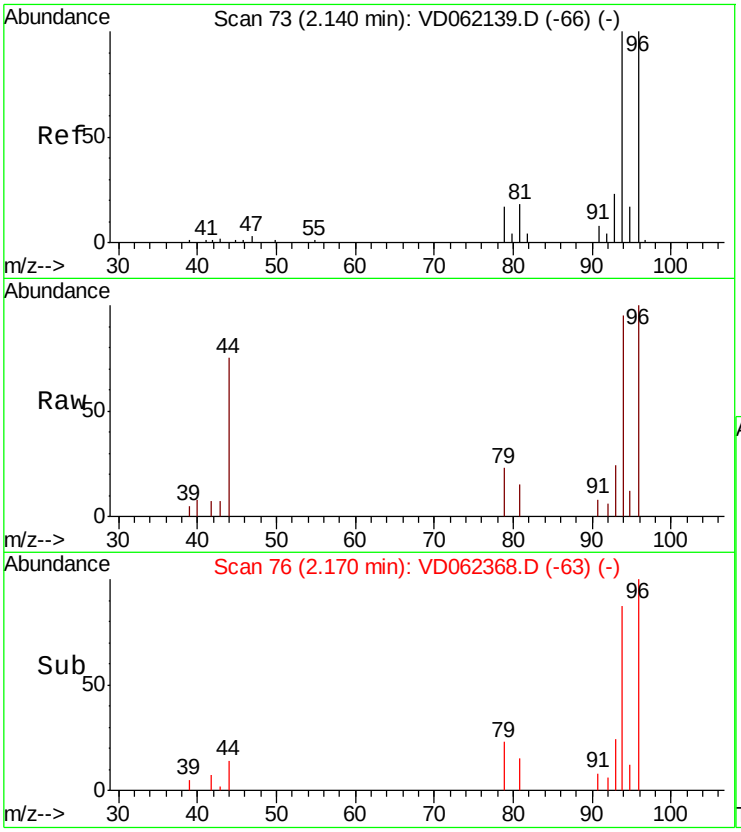



#4
Vinyl Chloride
Concen: 46.018 ug/l
RT: 1.86 min Scan# 45
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 62 Resp: 12835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 37.0 | 26.5 | 39.7 |

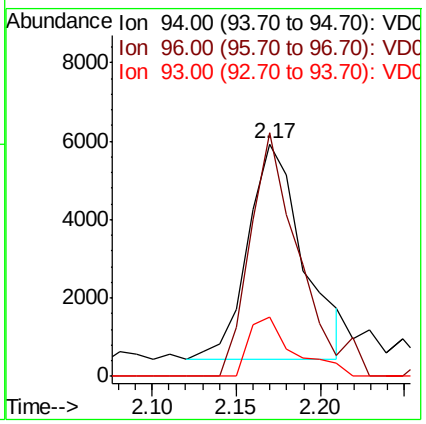





#5
Bromomethane
Concen: 192.139 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

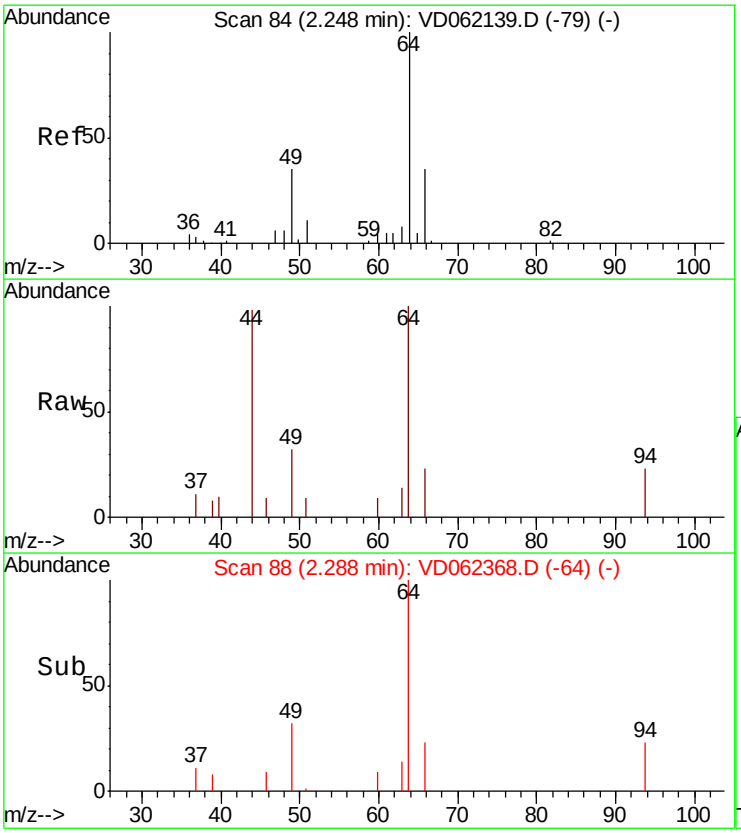
Tgt Ion: 94 Resp: 12557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 104.8 | 76.6 | 115.0 |
| 93 | 25.3 | 18.5 | 27.7 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

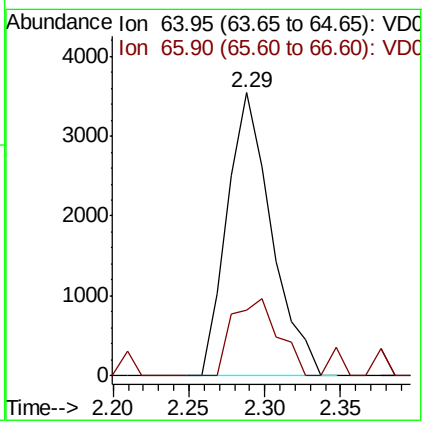
**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

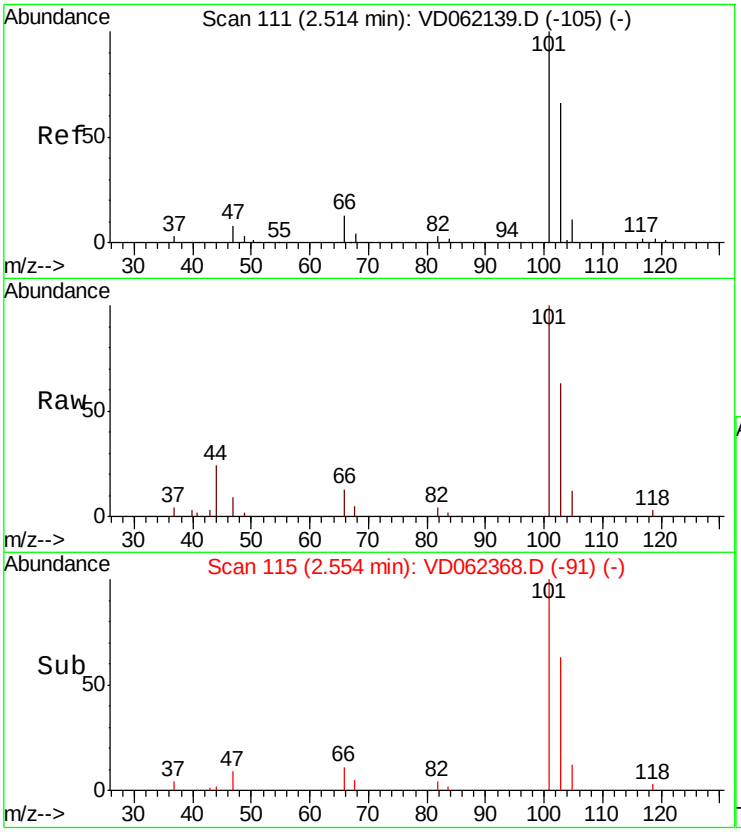



#6
Chloroethane
Concen: 61.896 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 64 Resp: 7244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 23.1 | 25.6 | 38.4# |





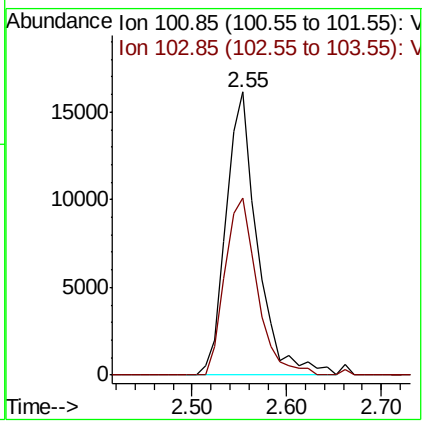

#7
Trichlorofluoromethane
Concen: 68.190 ug/l
RT: 2.55 min Scan# 115
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

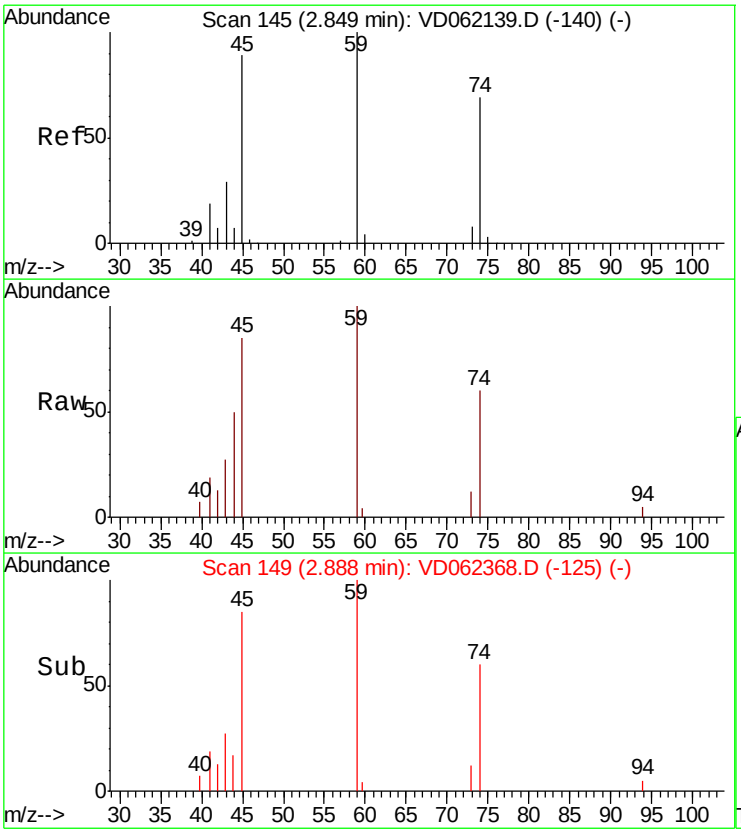
Tgt Ion:101 Resp: 36976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.7 | 53.6 | 80.4 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

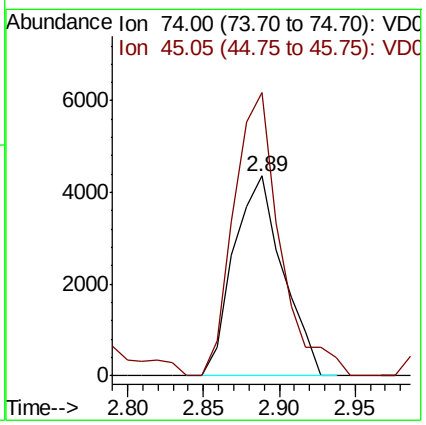


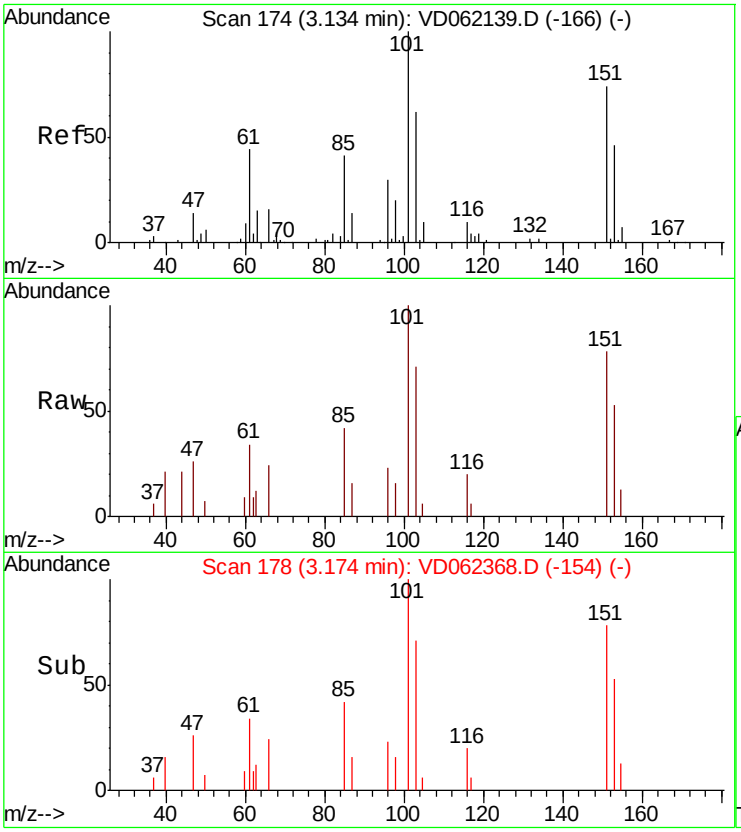




#8
Diethyl Ether
Concen: 94.705 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 74 Resp: 9904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 141.5 | 56.9 | 170.7 |





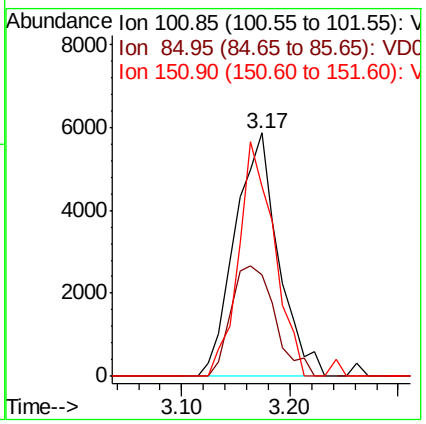

#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.864 ug/l
RT: 3.17 min Scan# 178
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

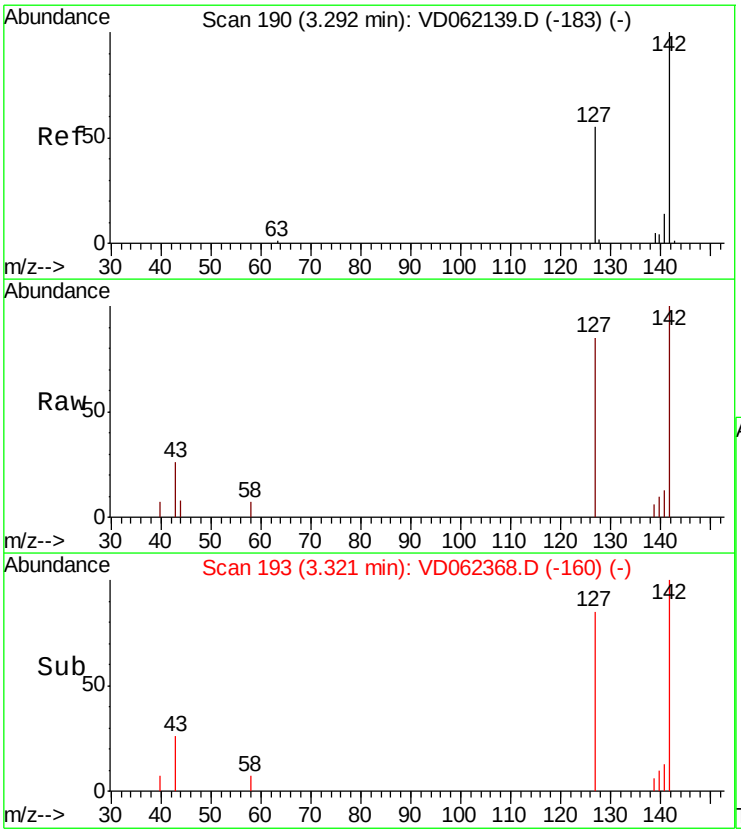
**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

Tgt Ion:101 Resp: 16352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.9 | 32.4 | 48.6 |
| 151 | 78.0 | 59.4 | 89.0 |

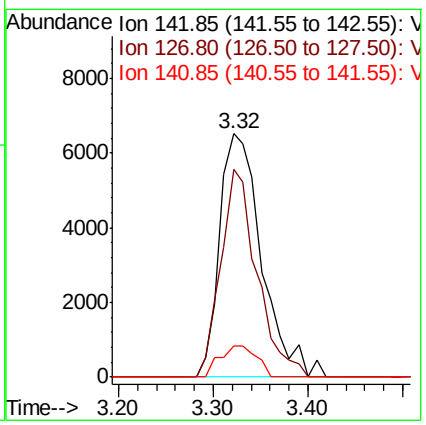


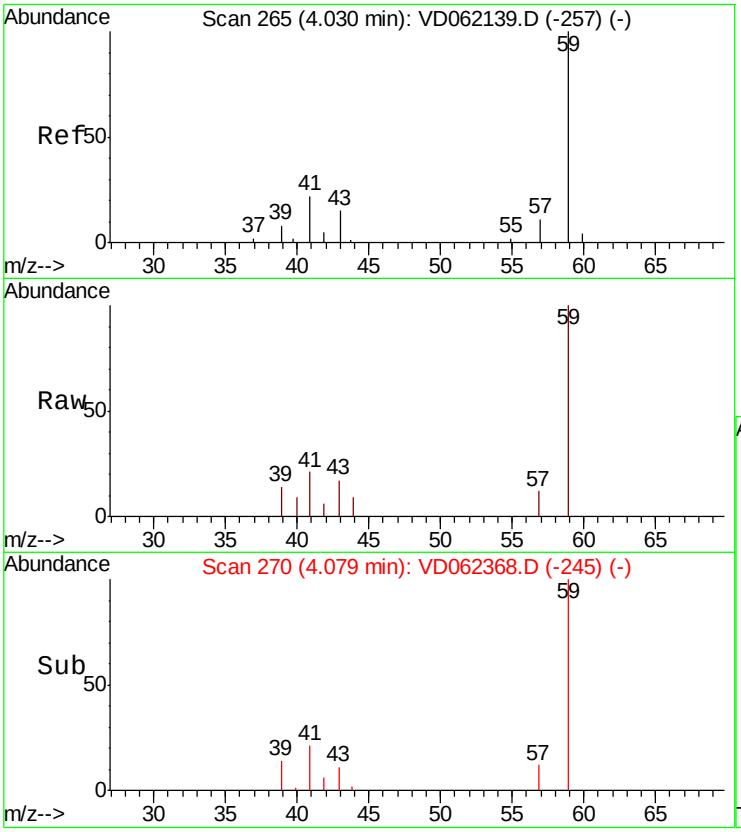




#10
Methyl Iodide
Concen: 32.209 ug/l
RT: 3.32 min Scan# 193
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:142 Resp: 19968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 85.4 | 38.8 | 58.2# |
| 141 | 12.9 | 11.4 | 17.0 |

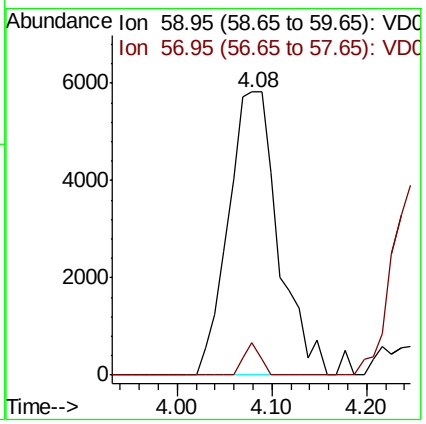





#11
Tert butyl alcohol
Concen: 1094.701 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 59 Resp: 21325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 11.5 | 6.9 | 10.3# |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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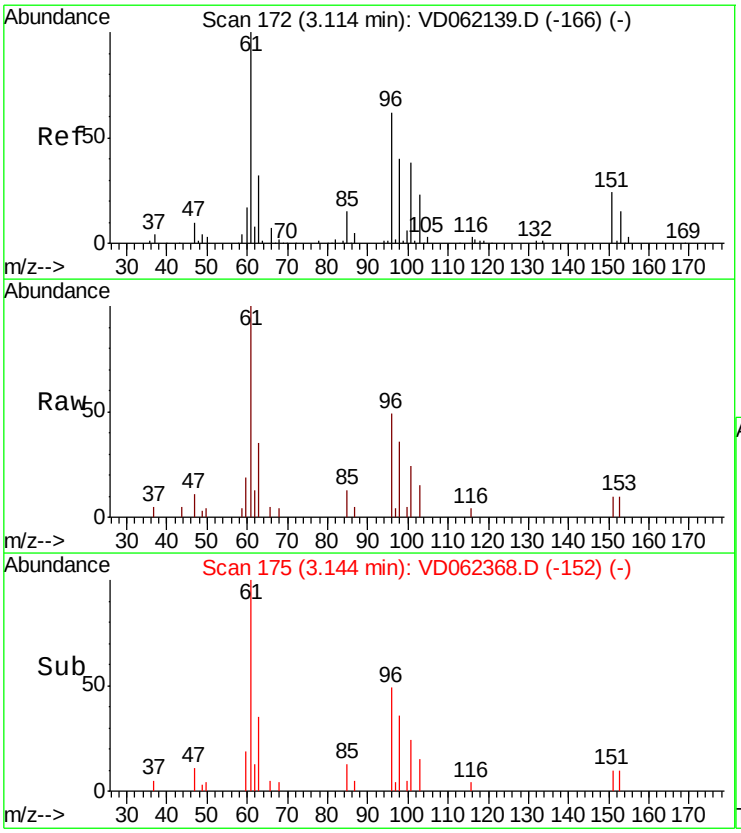
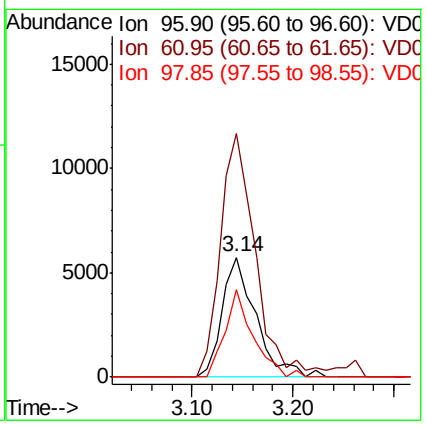
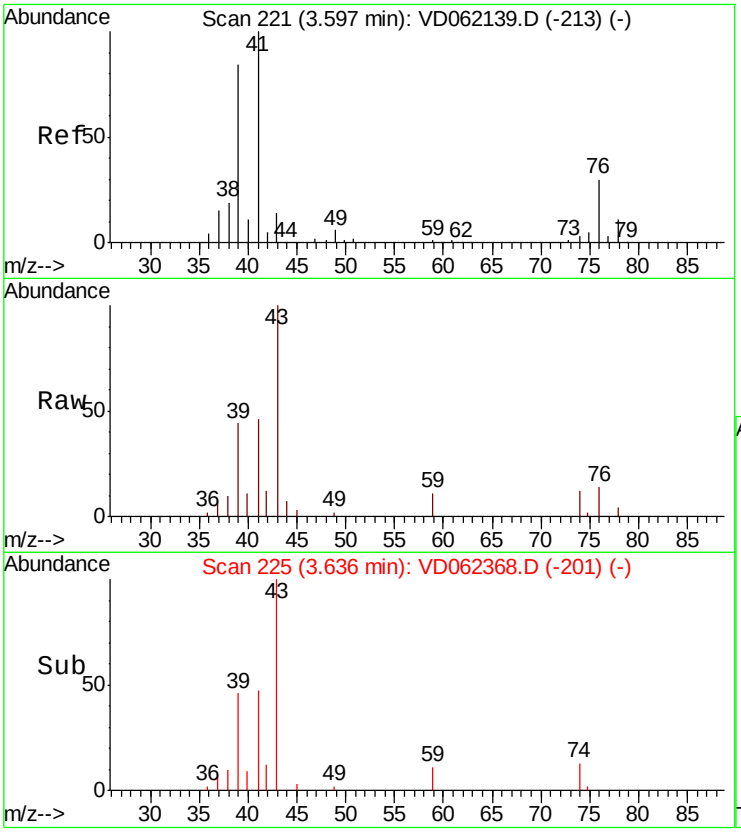



#12
1,1-Dichloroethene
Concen: 42.322 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 96 Resp: 13252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 203.7 | 129.8 | 194.8# |
| 98 | 73.0 | 51.2 | 76.8 |






#14
Allyl chloride
Concen: 65.435 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 41 Resp: 29791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 96.2 | 60.5 | 90.7# |
| 76 | 30.8 | 31.8 | 47.8# |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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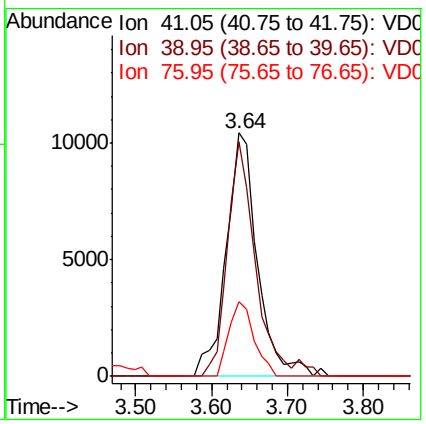
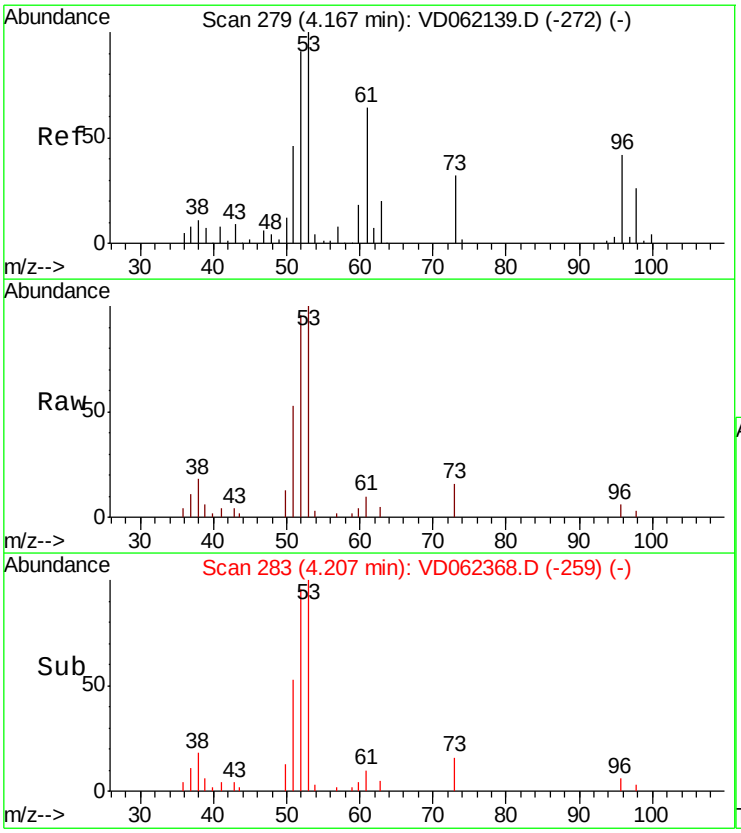
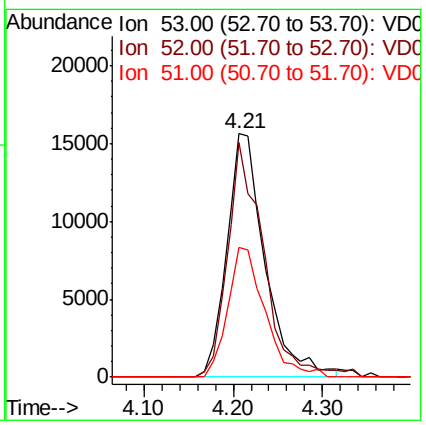


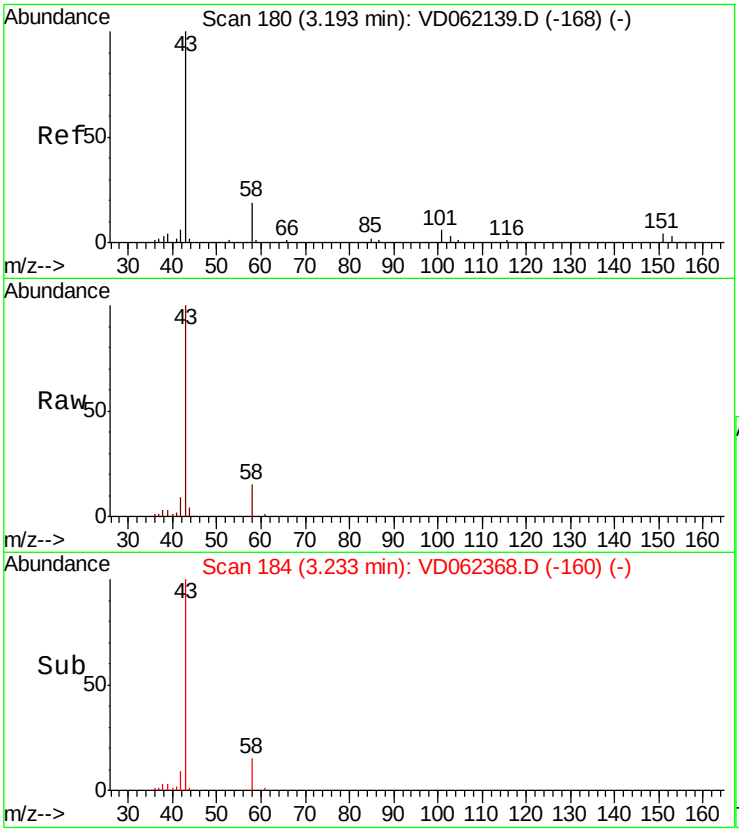




#15
Acrylonitrile
Concen: 912.801 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 53 Resp: 46738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 96.4 | 65.0 | 97.4 |
| 51 | 53.2 | 32.6 | 48.8# |






#16
Acetone
Concen: 1452.940 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 116282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.8 | 19.9 | 29.9# |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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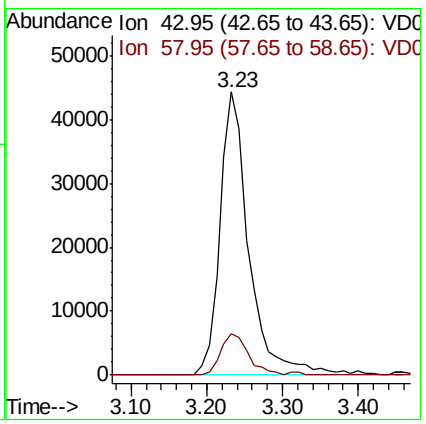
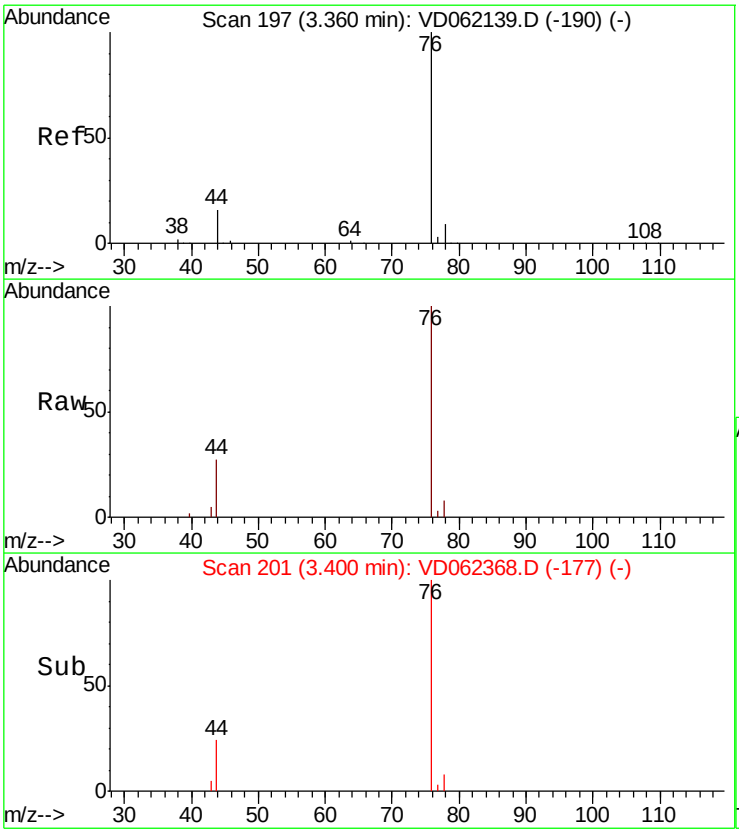
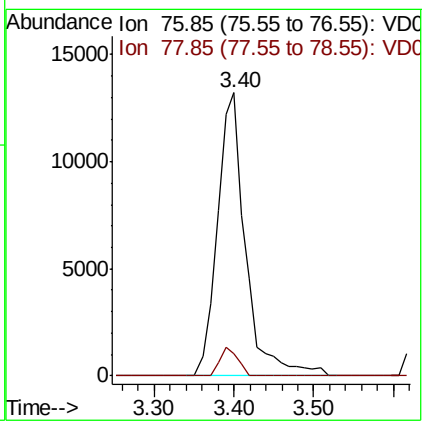


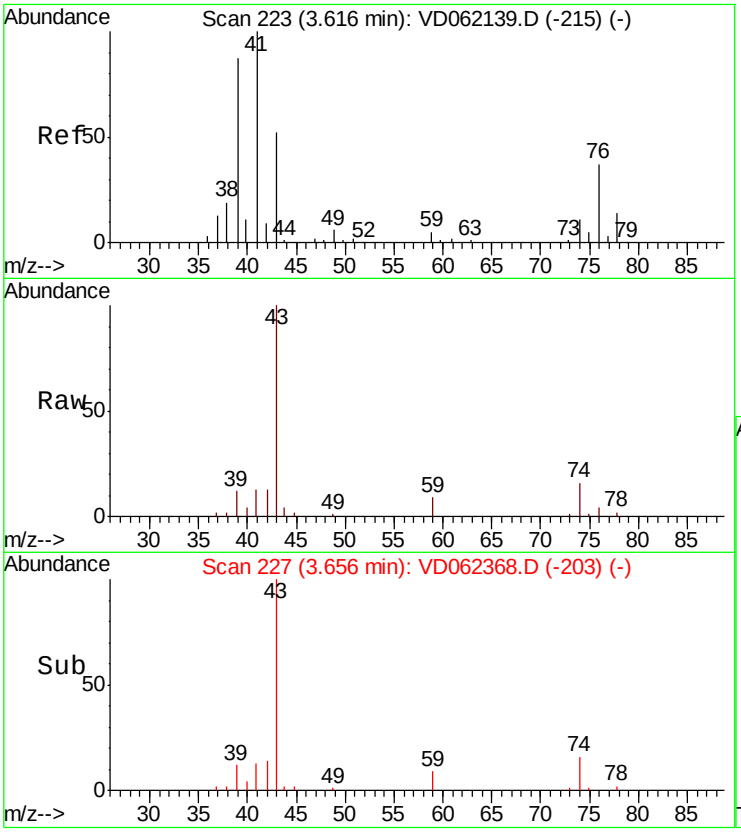




#17
Carbon Disulfide
Concen: 36.312 ug/l
RT: 3.40 min Scan# 201
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 76 Resp: 32708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.0 | 7.2 | 10.8 |






#18
Methyl Acetate
Concen: 844.335 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 120165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 16.2 | 18.0 | 27.0# |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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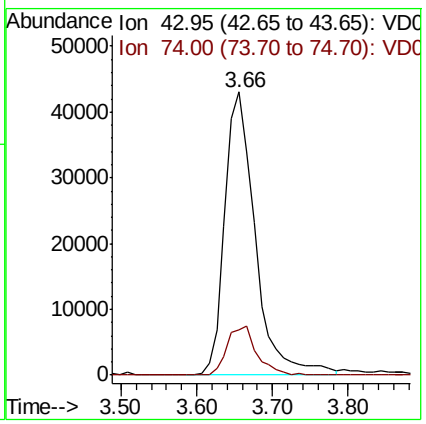
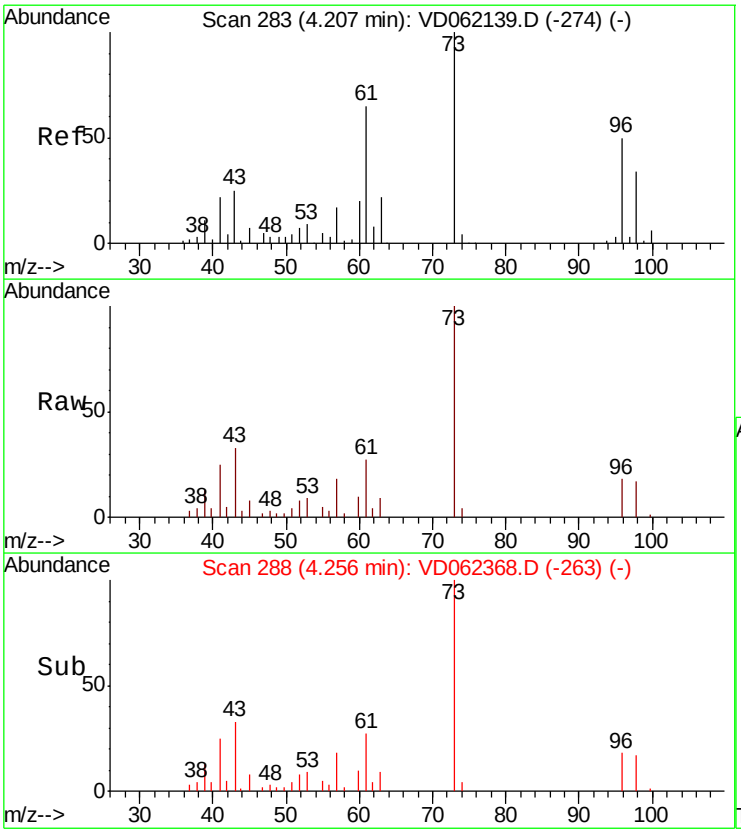
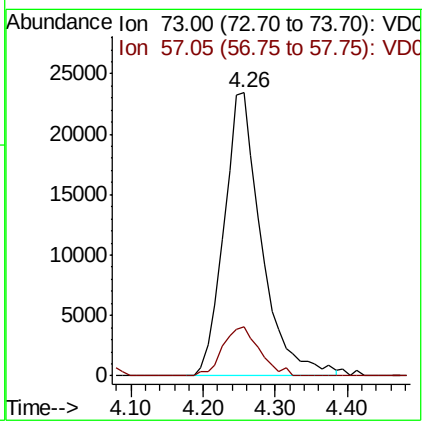


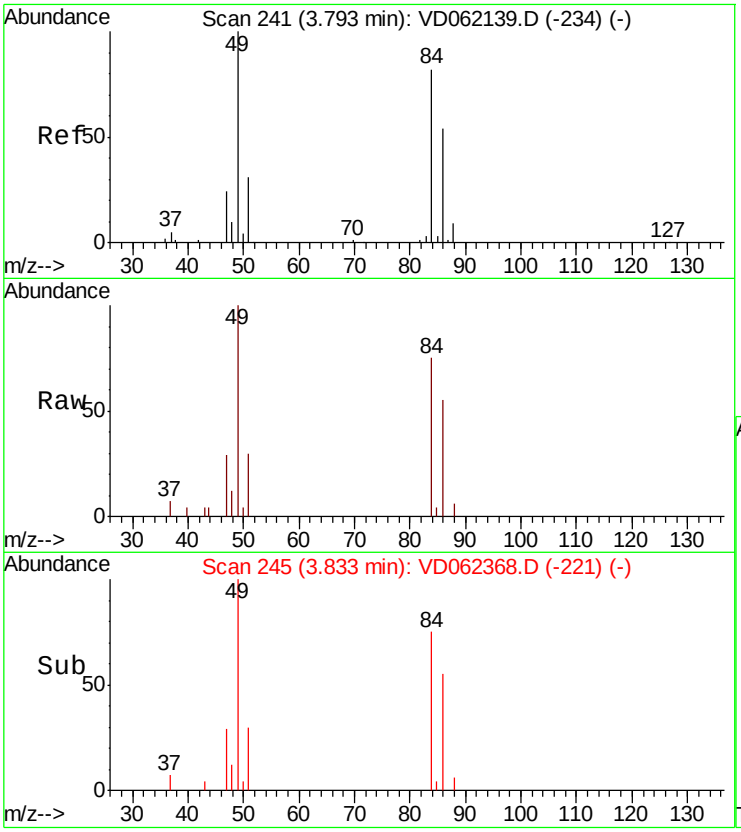




#19
Methyl tert-butyl Ether
Concen: 125.839 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 73 Resp: 84458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 17.5 | 16.3 | 24.5 |

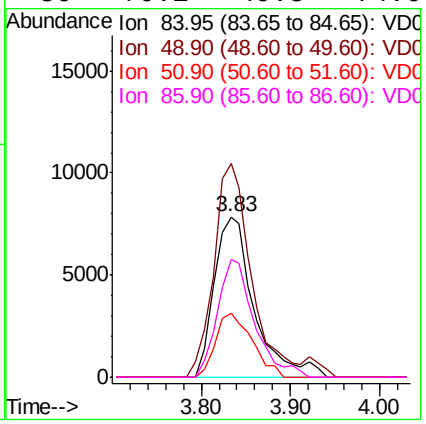





#20
Methylene Chloride
Concen: 73.383 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 84 Resp: 24522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.0 | 94.0 | 141.0 |
| 51 | 38.3 | 29.0 | 43.4 |
| 86 | 70.1 | 49.8 | 74.6 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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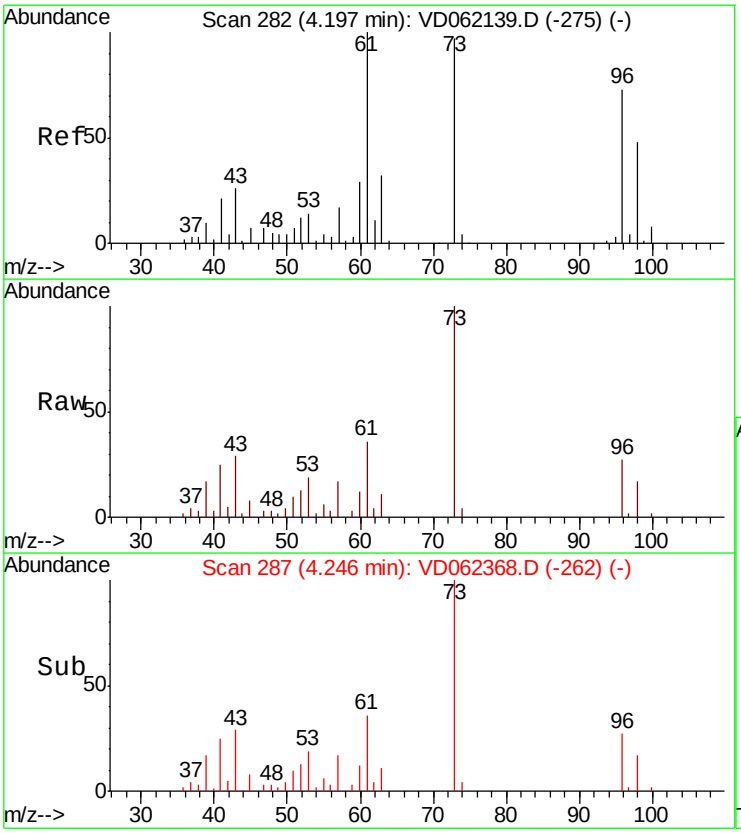
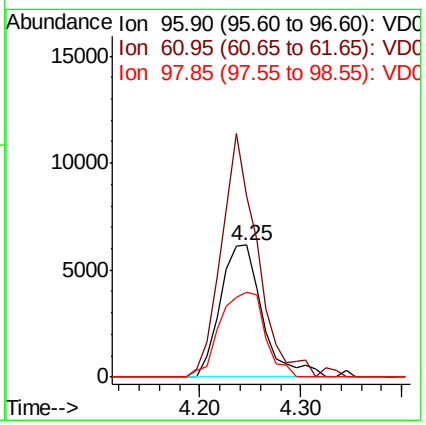
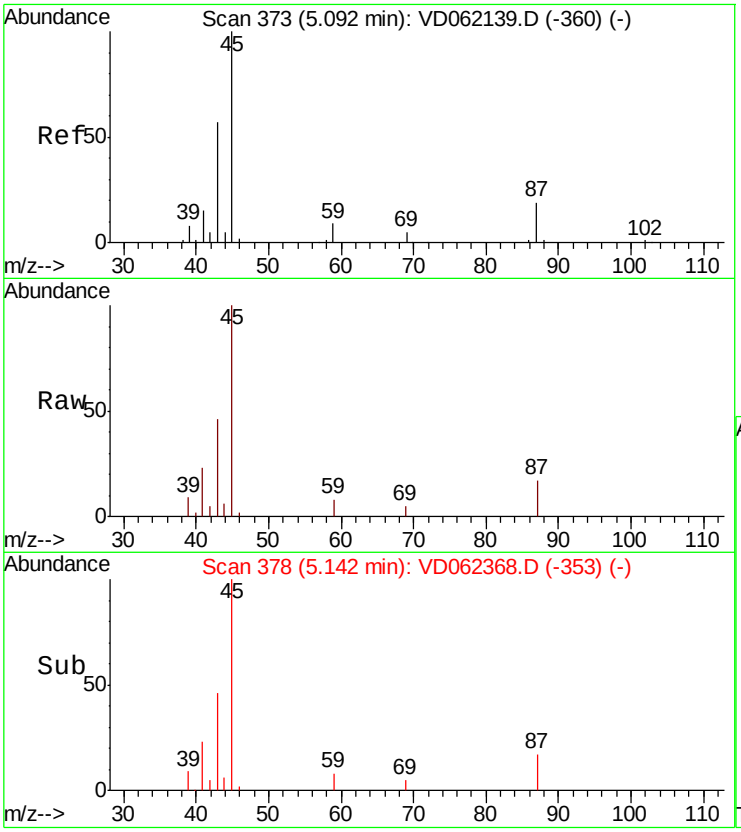



#21
trans-1,2-Dichloroethene
Concen: 51.014 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 96 Resp: 17775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.6 | 104.4 | 156.6 |
| 98 | 64.5 | 51.8 | 77.8 |

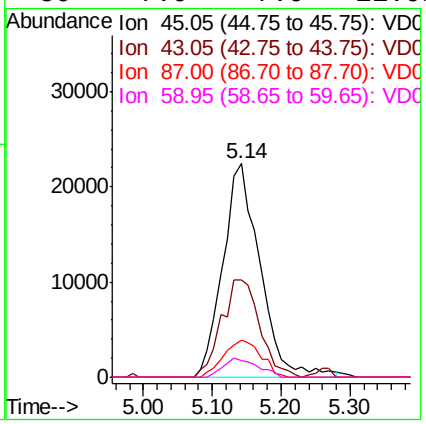





#22
Diisopropyl ether
Concen: 86.220 ug/l
RT: 5.14 min Scan# 378
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 45 Resp: 83532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 45.7 | 46.2 | 69.2# |
| 87 | 17.4 | 15.9 | 23.9 |
| 59 | 7.9 | 7.9 | 11.9# |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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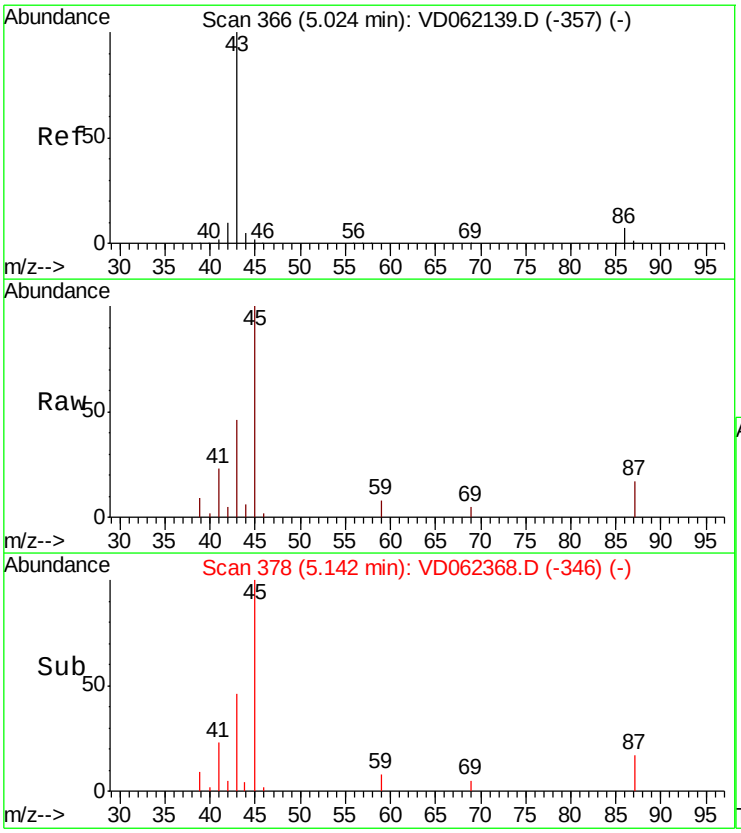
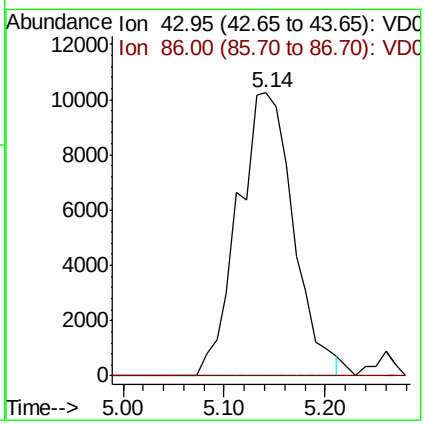
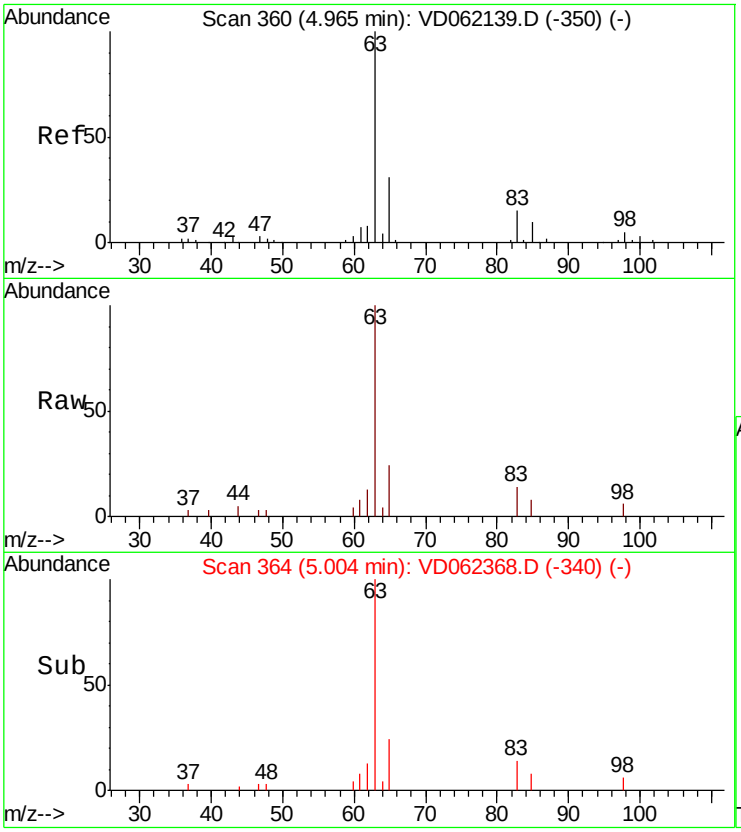



#23
Vinyl Acetate
Concen: 76.553 ug/l
RT: 5.14 min Scan# 378
Delta R.T. 0.12 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 39131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 0.0 | 6.4 | 9.6# |

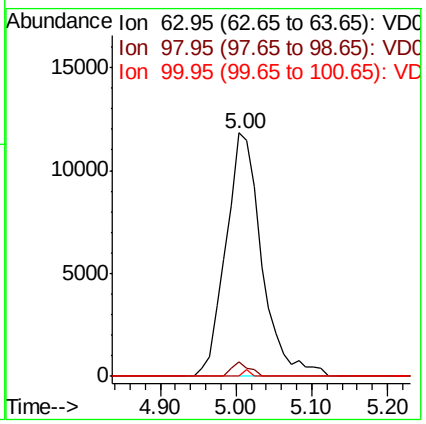





#24
1,1-Dichloroethane
Concen: 66.414 ug/l
RT: 5.00 min Scan# 364
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 63 Resp: 38816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 5.8 | 2.8 | 8.4 |
| 100 | 0.0 | 1.8 | 5.5# |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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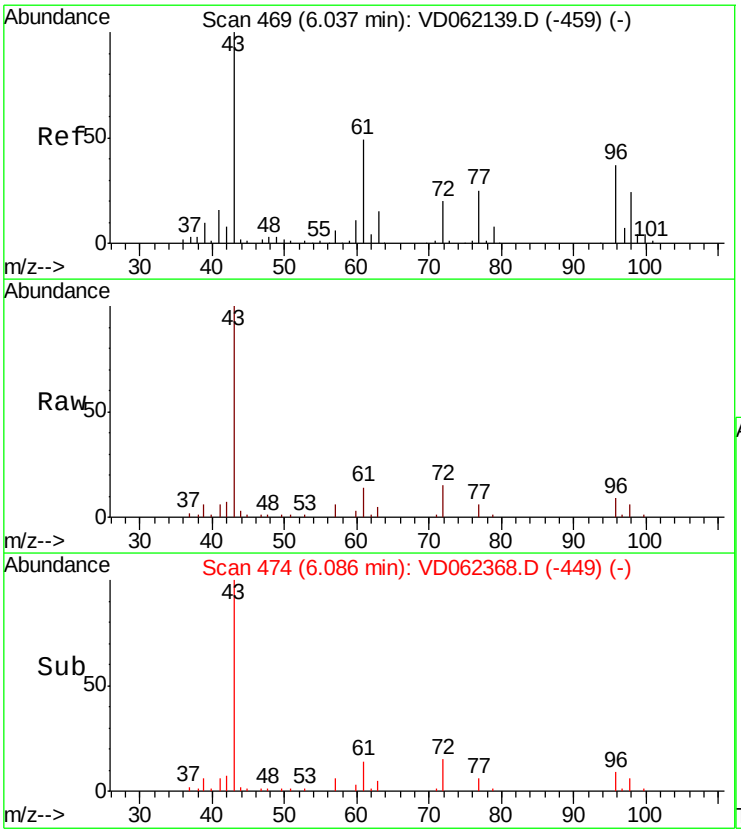
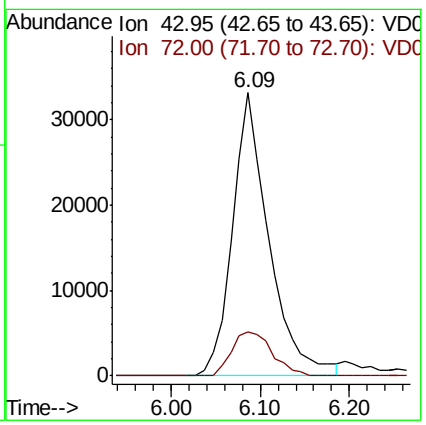
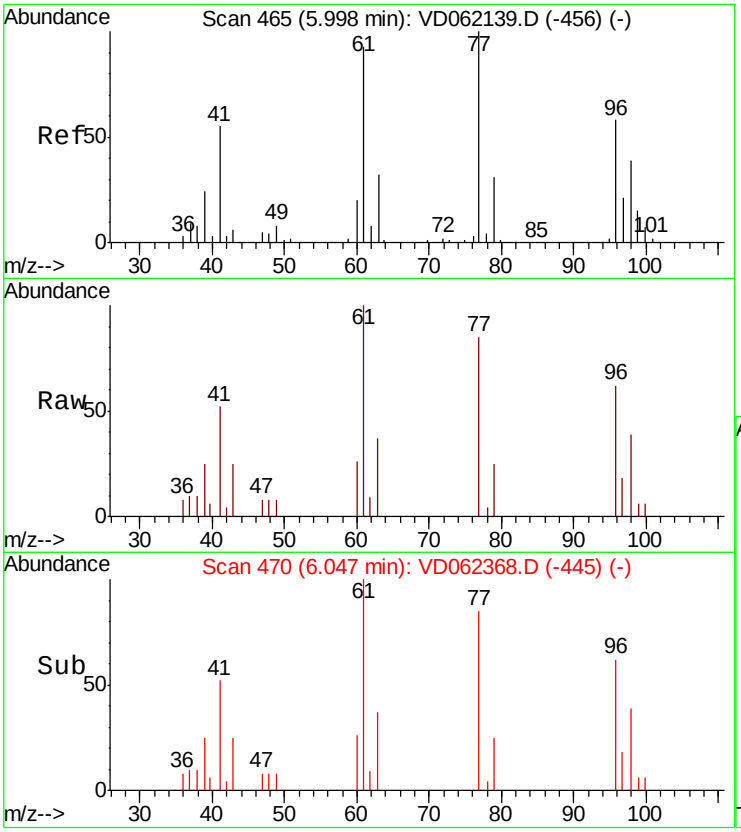



#25
2-Butanone
Concen: 1079.524 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 94238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 15.4 | 16.2 | 24.4# |

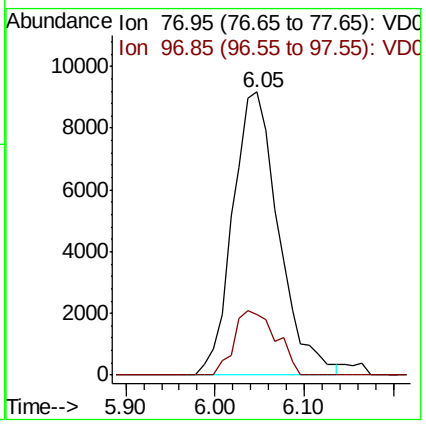





#26
2,2-Dichloropropane
Concen: 56.395 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 77 Resp: 32832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 11.9 | 35.9 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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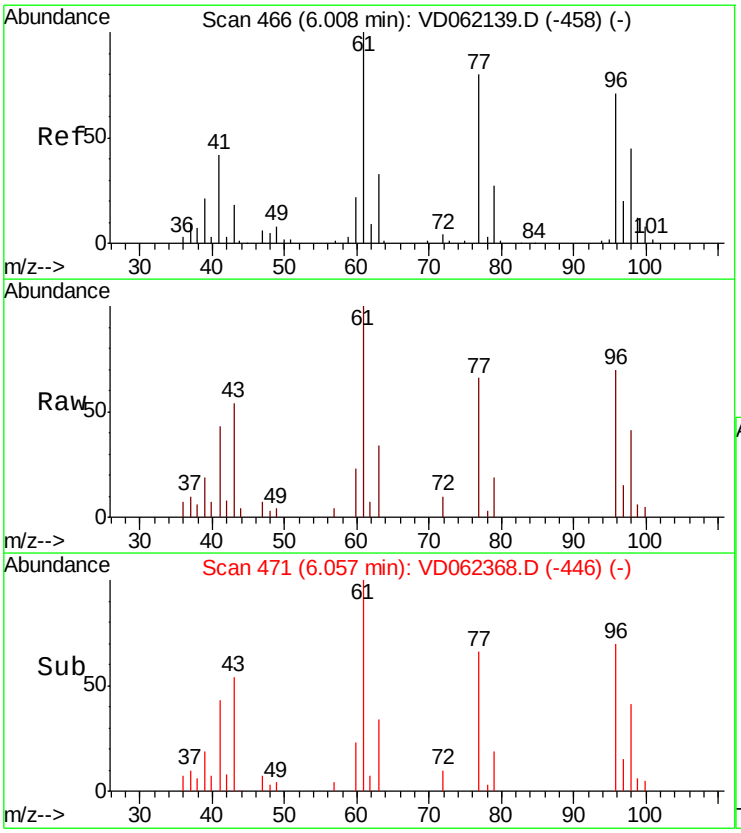
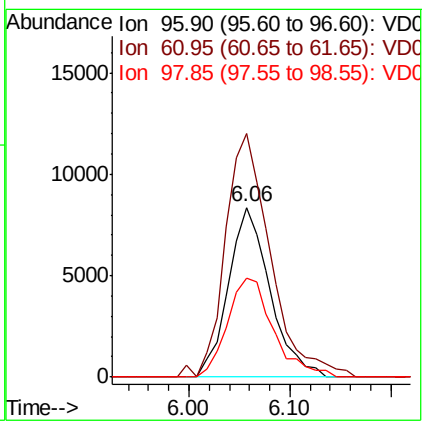
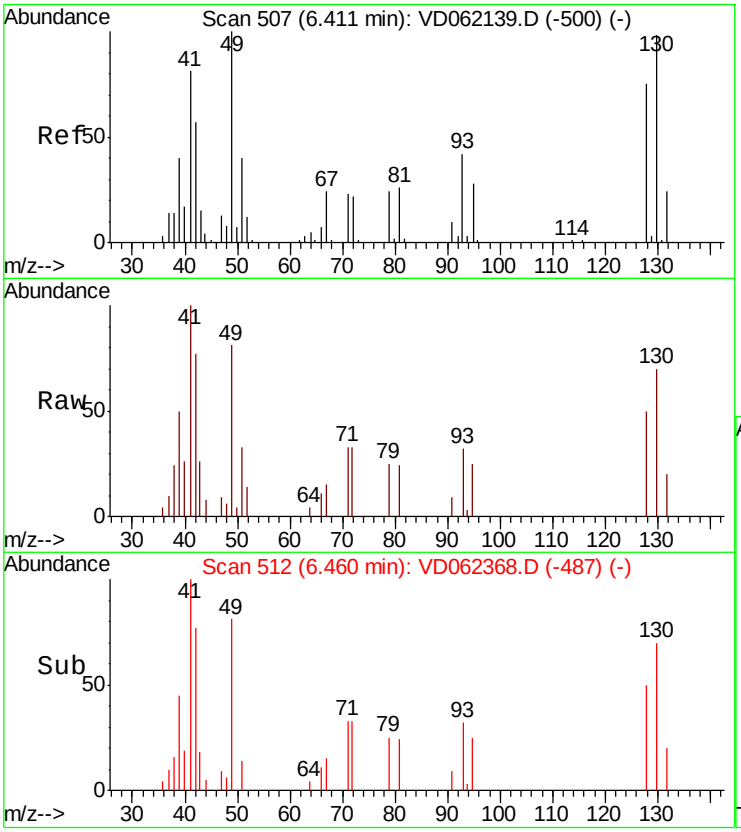



#27
cis-1,2-Dichloroethene
Concen: 61.363 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 96 Resp: 23932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.7 | 0.0 | 279.8 |
| 98 | 58.7 | 0.0 | 136.0 |






#28
Bromochloromethane
Concen: 120.260 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 49 Resp: 27653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 6.6 |
| 130 | 86.5 | 86.7 | 130.1# |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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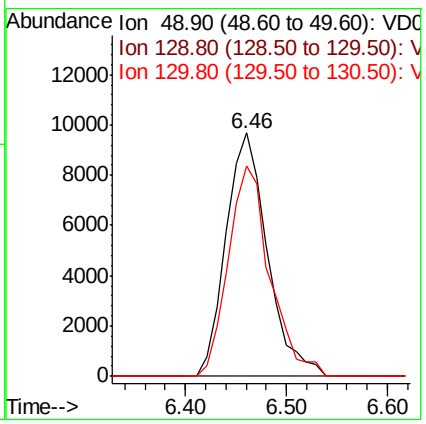
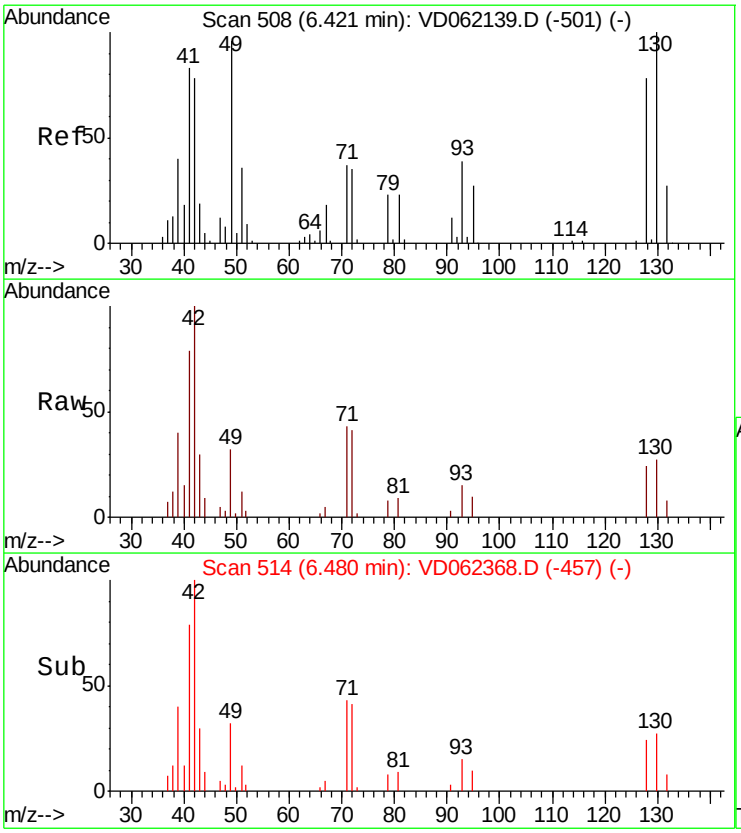
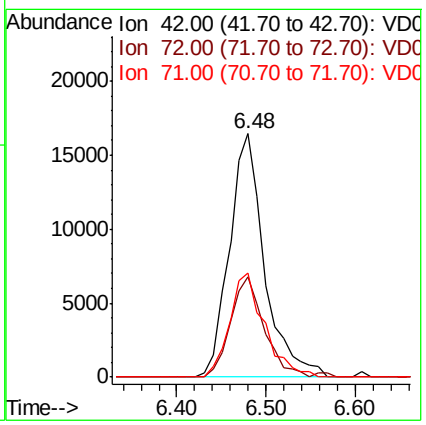


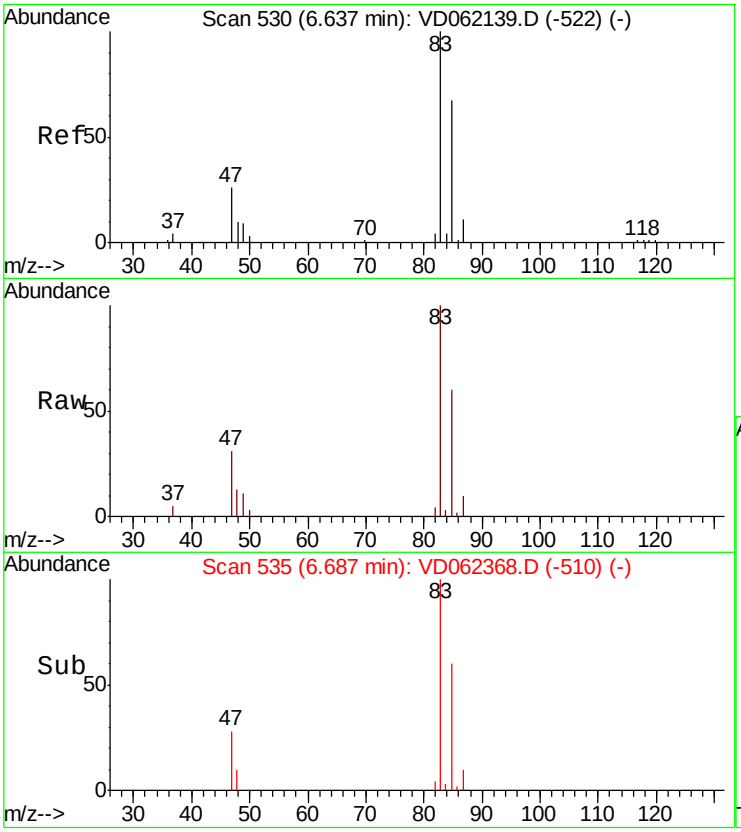




#29
Tetrahydrofuran
Concen: 1122.112 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 42 Resp: 45134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 39.2 | 37.8 | 56.6 |
| 71 | 42.5 | 36.7 | 55.1 |

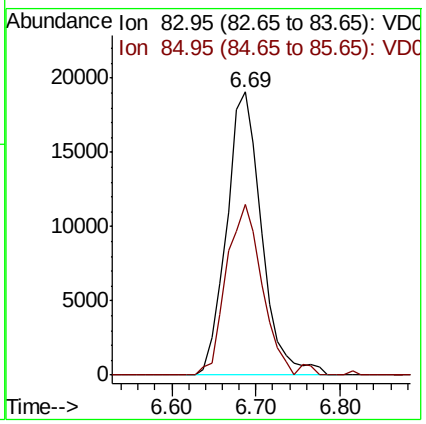





#30
Chloroform
Concen: 78.088 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 83 Resp: 55003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.1 | 51.7 | 77.5 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
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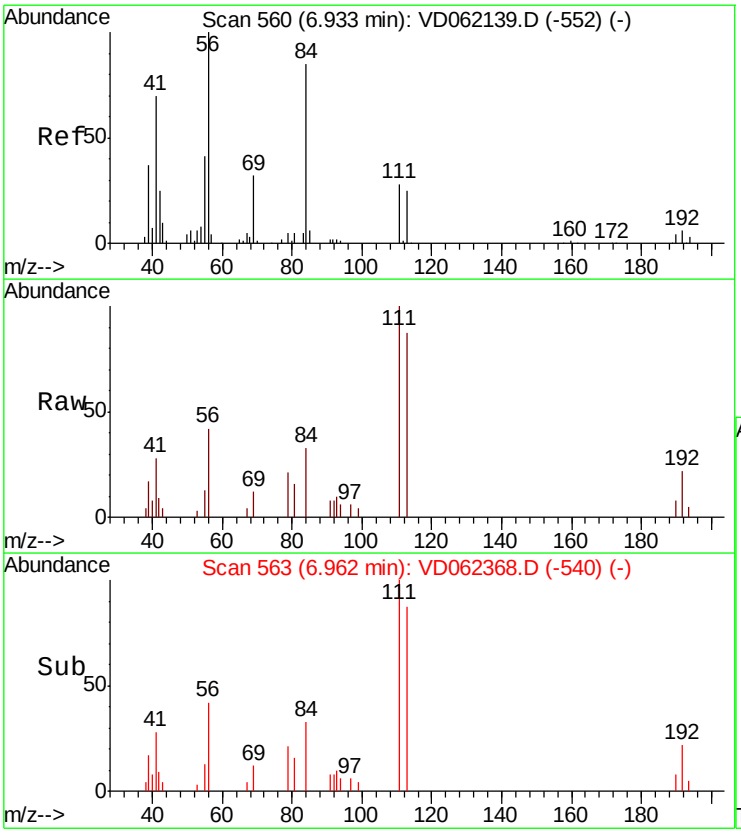
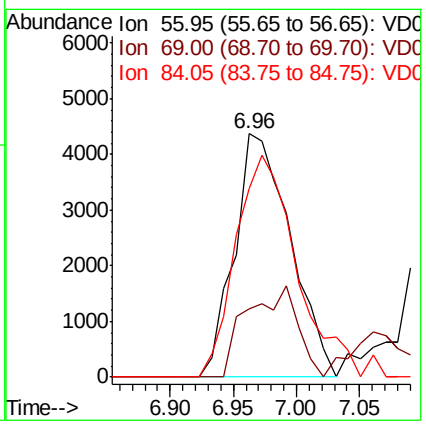
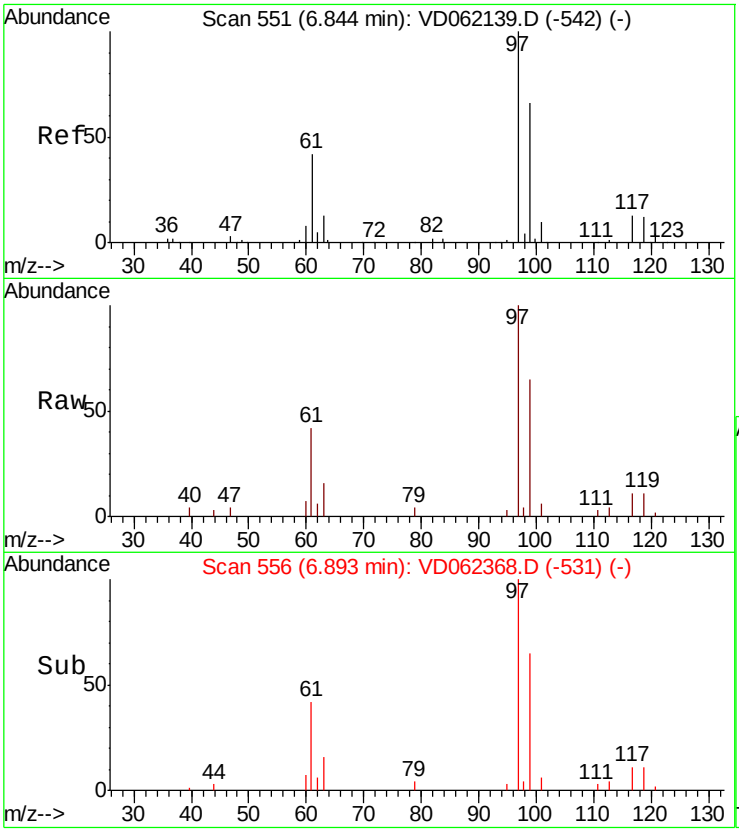



#31
Cyclohexane
Concen: 33.546 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 56 Resp: 13432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.1 | 25.8 | 38.6 |
| 84 | 77.5 | 72.2 | 108.4 |

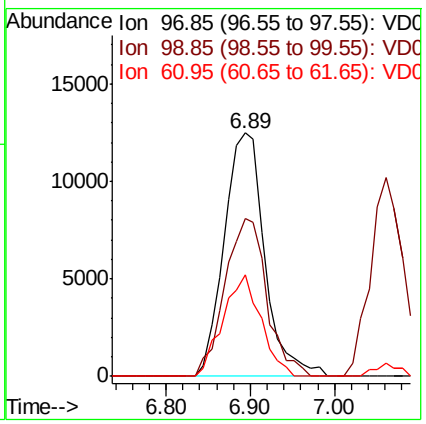





#32
1,1,1-Trichloroethane
Concen: 62.607 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 97 Resp: 41681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.0 | 52.2 | 78.2 |
| 61 | 41.8 | 32.4 | 48.6 |




**Instrument :**
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**ClientSampleId :**
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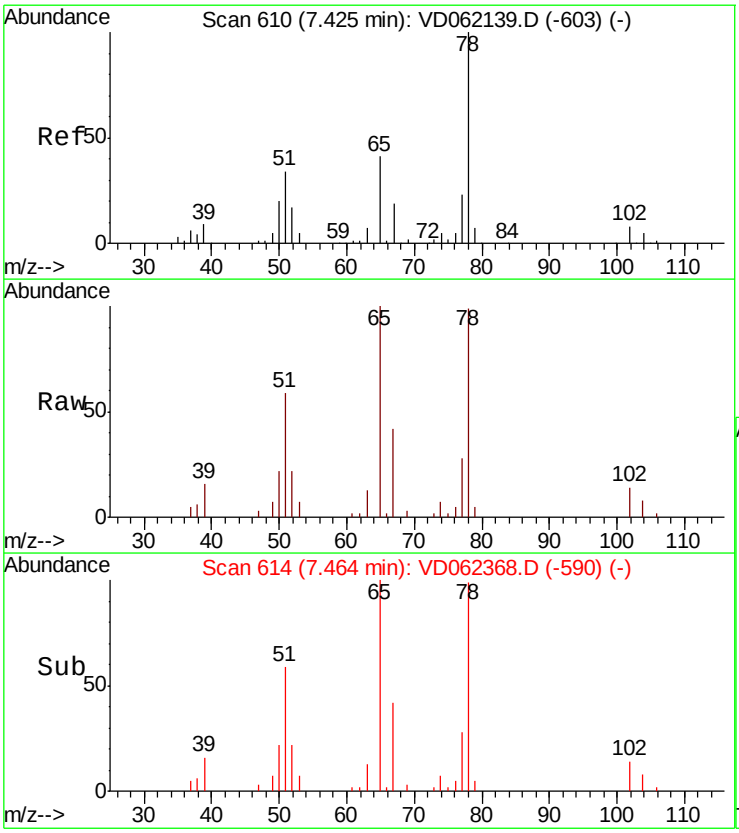
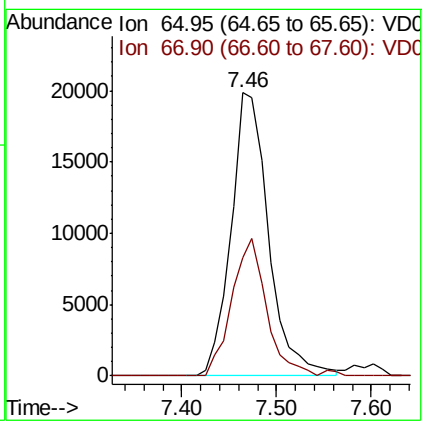
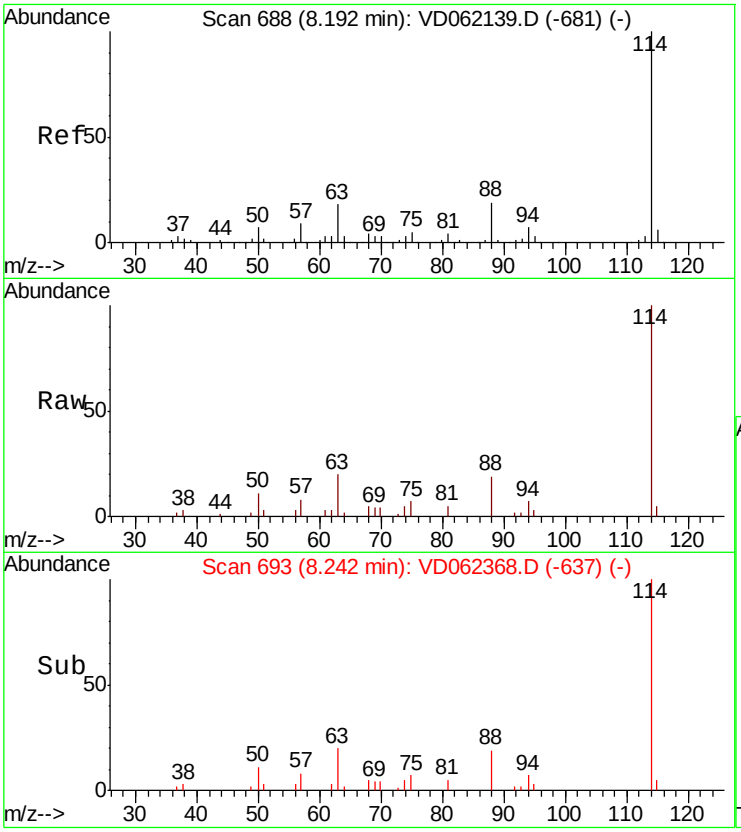



#33
1,2-Dichloroethane-d4
Concen: 143.054 ug/l
RT: 7.46 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 65 Resp: 54594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 42.0 | 0.0 | 98.0 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.24 min Scan# 693
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:114 Resp: 59952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.6 | 0.0 | 32.4 |
| 88 | 18.8 | 0.0 | 33.6 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
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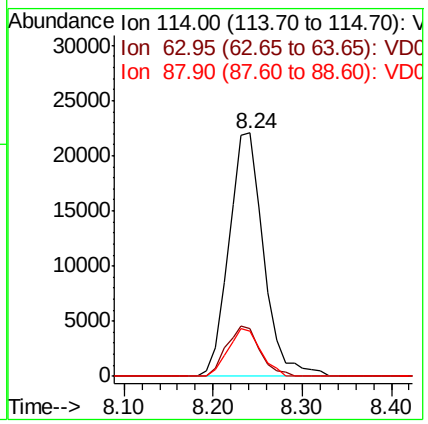
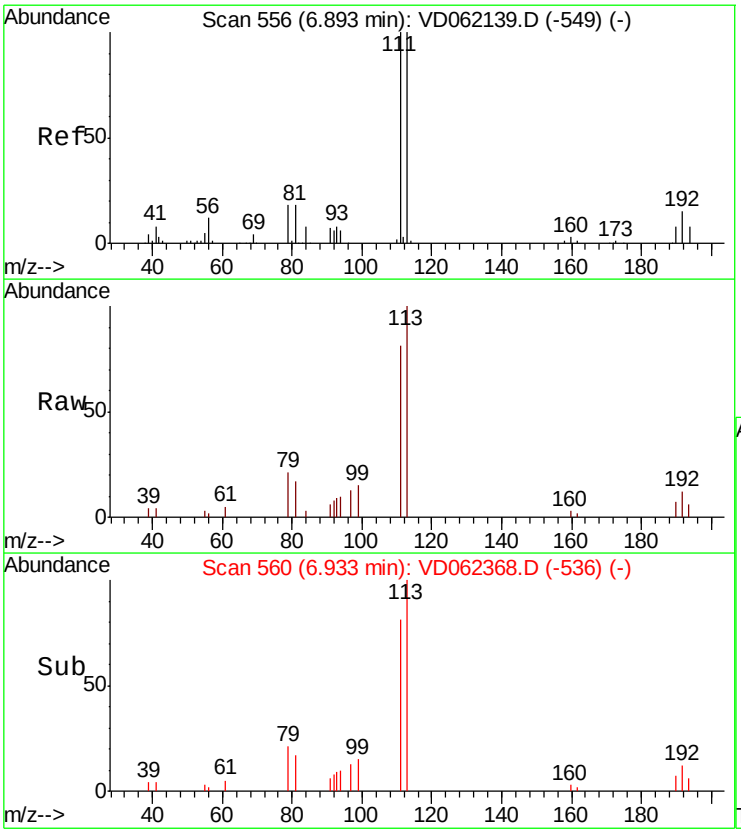
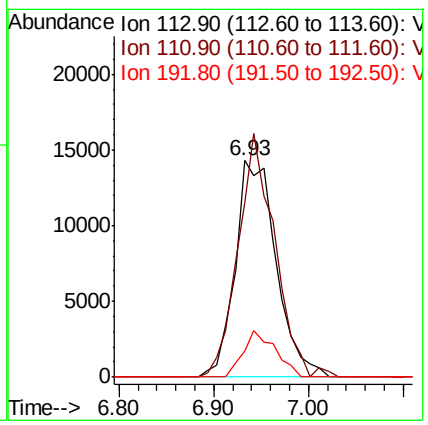


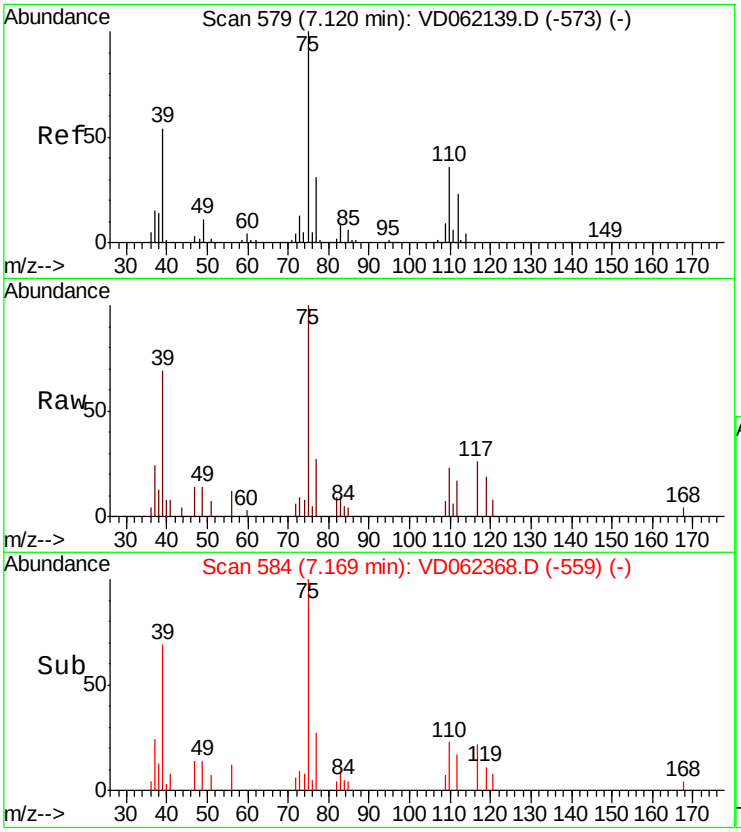




#35
Dibromofluoromethane
Concen: 86.240 ug/l
RT: 6.93 min Scan# 560
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:113 Resp: 42898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 80.6 | 78.5 | 117.7 |
| 192 | 11.9 | 13.0 | 19.4# |

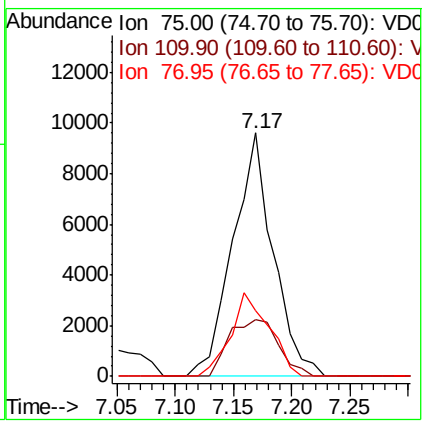





#36
1,1-Dichloropropene
Concen: 46.957 ug/l
RT: 7.17 min Scan# 584
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 23082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 23.3 | 19.1 | 57.1 |
| 77 | 27.1 | 25.6 | 38.4 |




**Instrument :**
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**ClientSampleId :**
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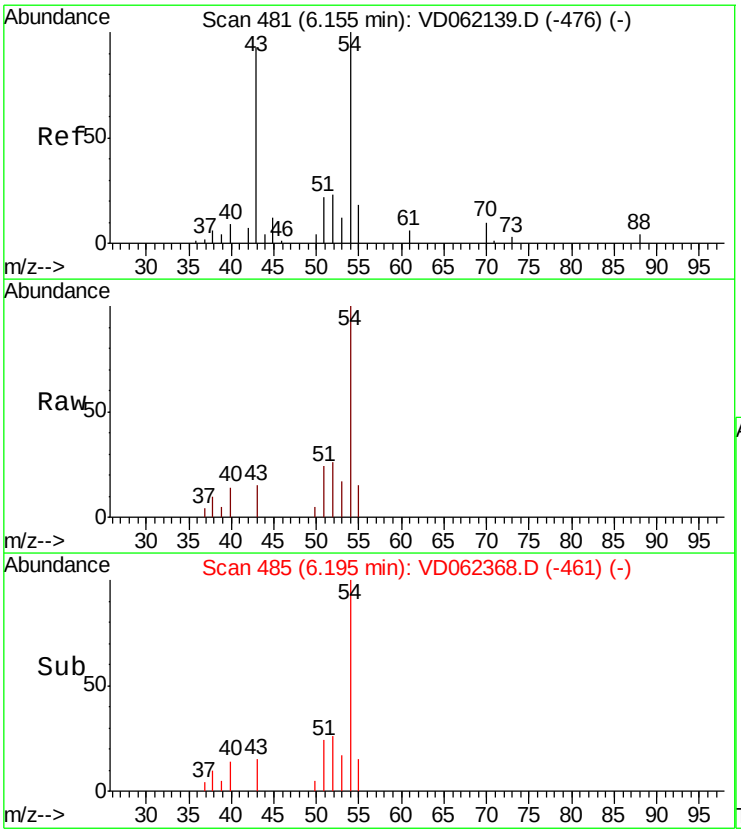
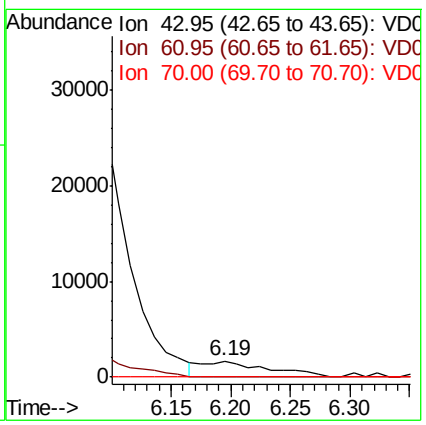
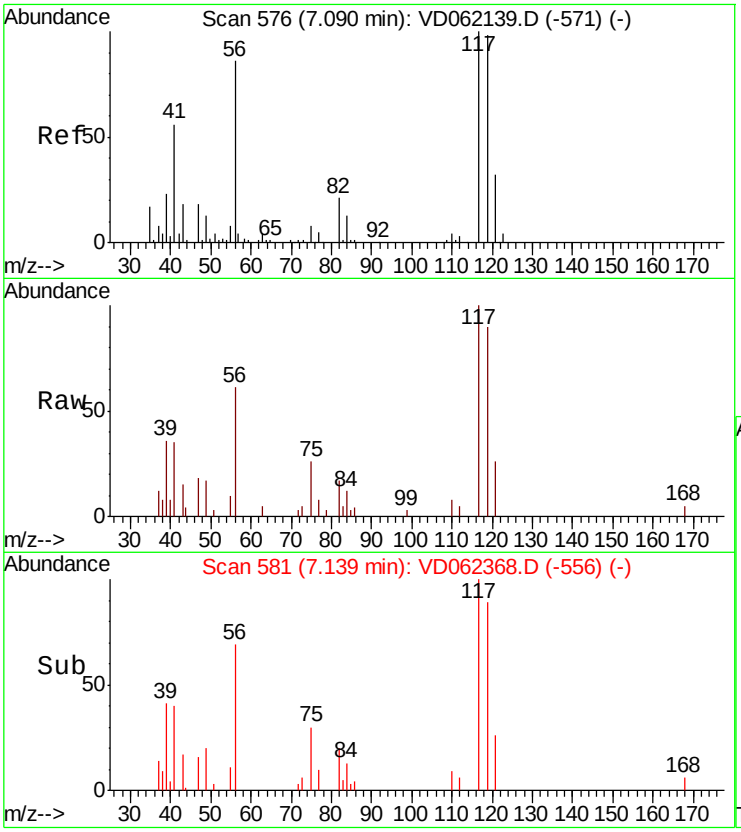



#37
Ethyl Acetate
Concen: 31.349 ug/l m
RT: 6.19 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 6535

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

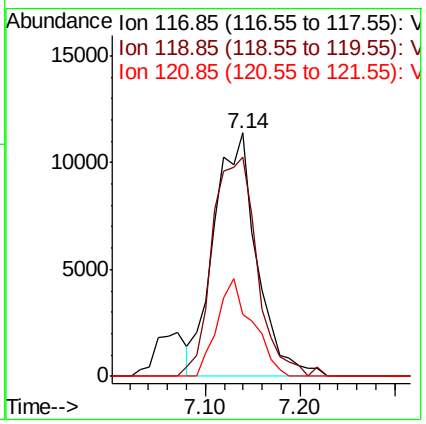





#38
Carbon Tetrachloride
Concen: 52.614 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:117 Resp: 35796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.2 | 75.8 | 113.8 |
| 121 | 25.6 | 25.9 | 38.9# |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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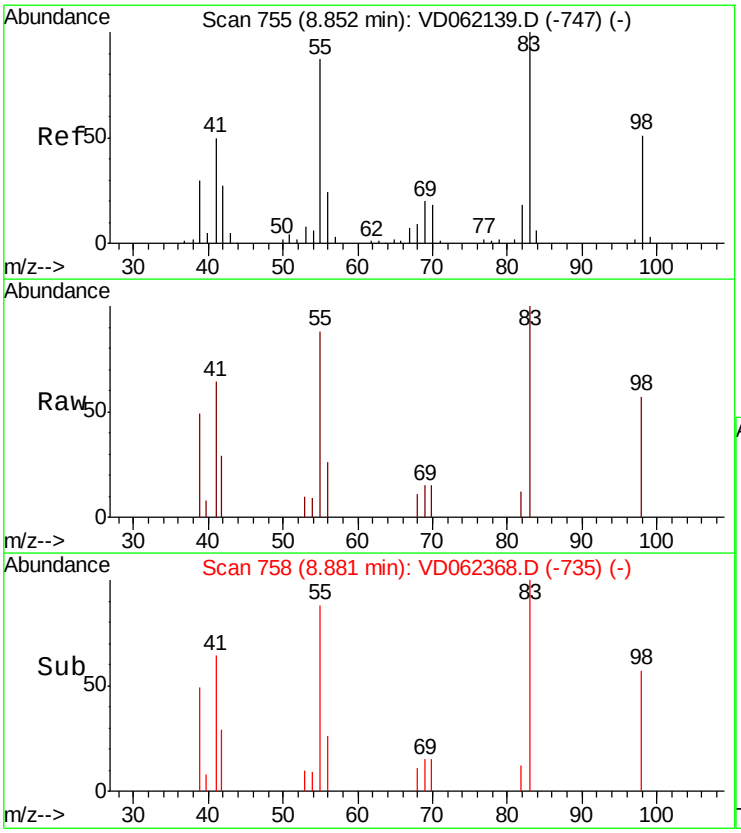
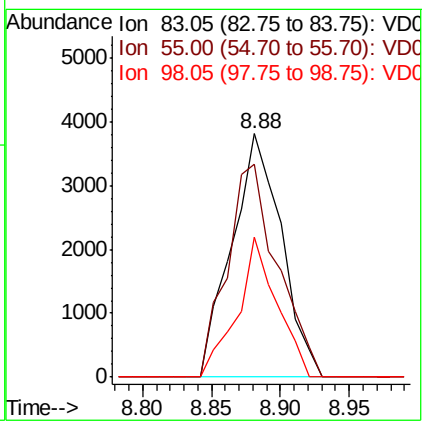
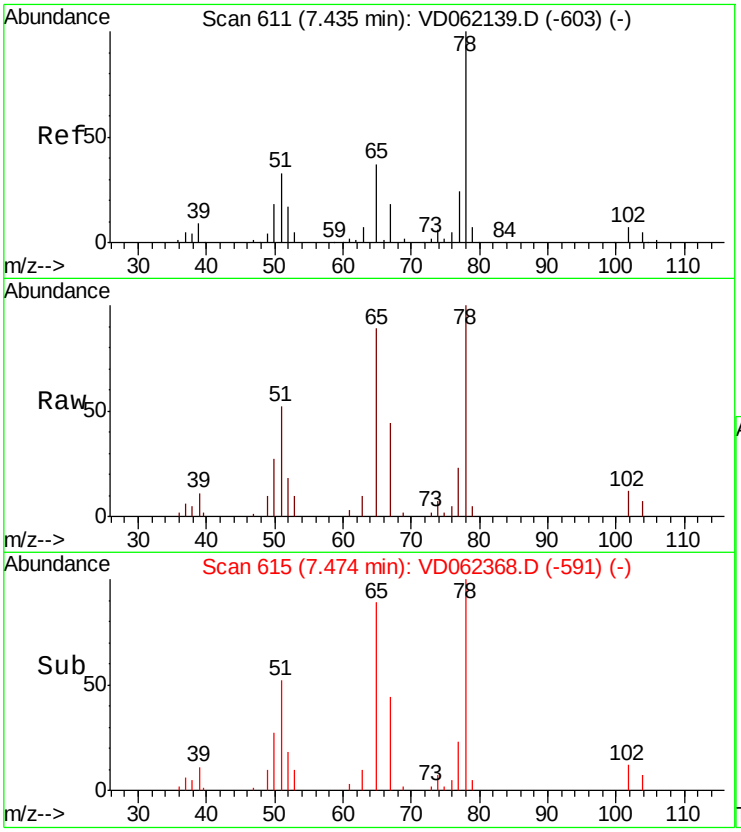



#39
Methylcyclohexane
Concen: 20.271 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 83 Resp: 9547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 87.7 | 68.2 | 102.4 |
| 98 | 57.3 | 38.2 | 57.4 |

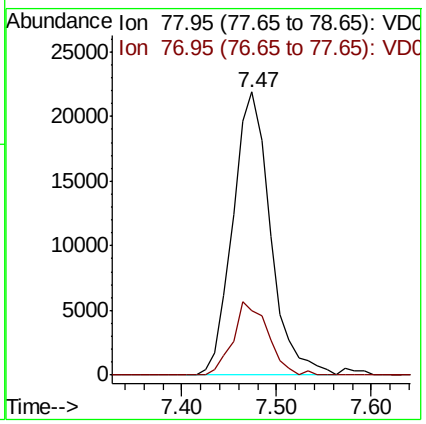





#40
Benzene
Concen: 54.406 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 78 Resp: 60389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.6 | 19.7 | 29.5 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
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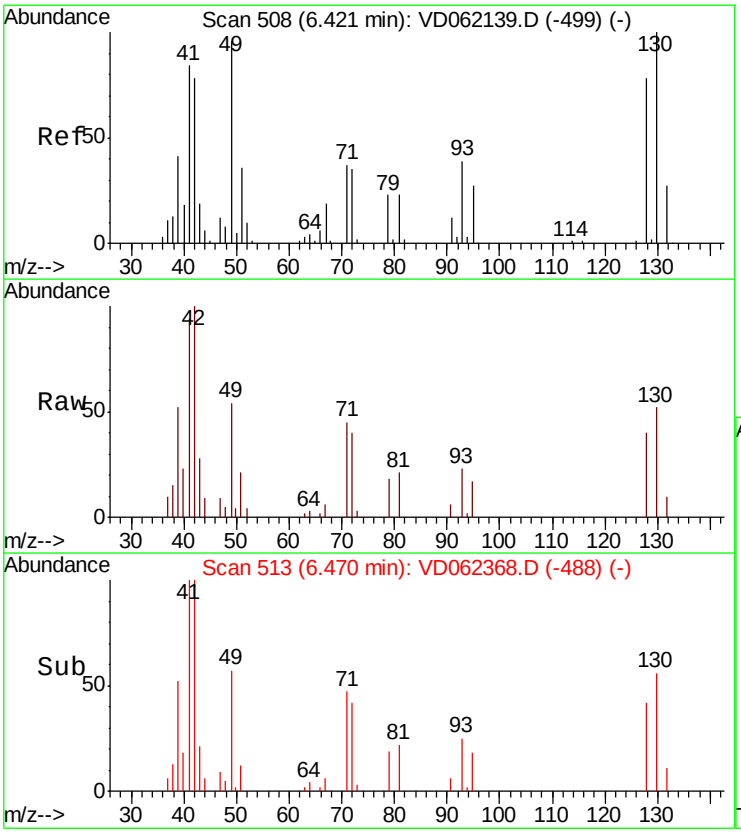
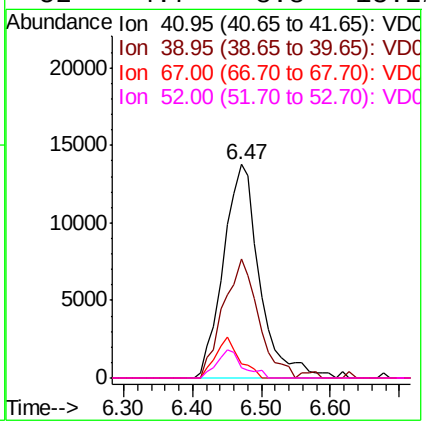
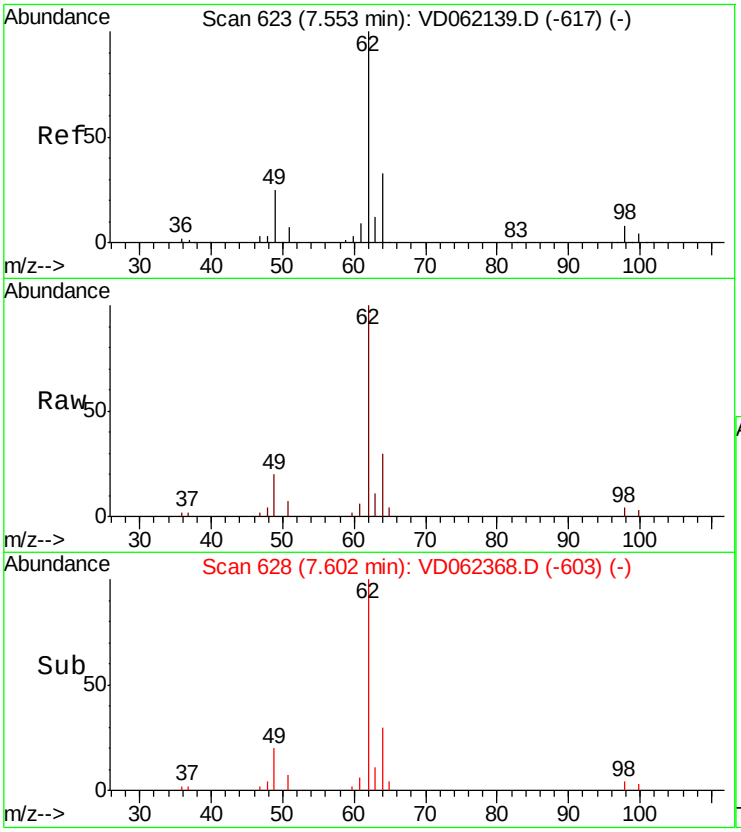



#41
Methacrylonitrile
Concen: 197.561 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 41 Resp: 50328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.6 | 34.1 | 51.1# |
| 67 | 6.4 | 23.8 | 35.6# |
| 52 | 4.7 | 8.8 | 13.2# |






#42
1,2-Dichloroethane
Concen: 123.295 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.05 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 62 Resp: 57983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 4.5 | 0.0 | 17.8 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
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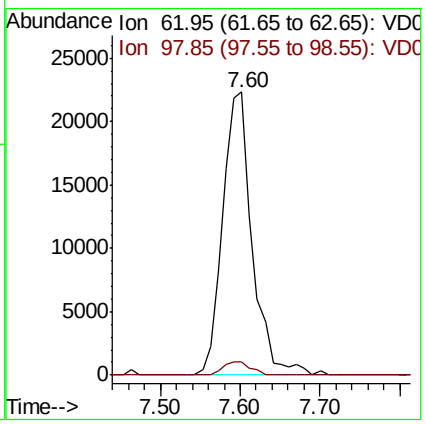
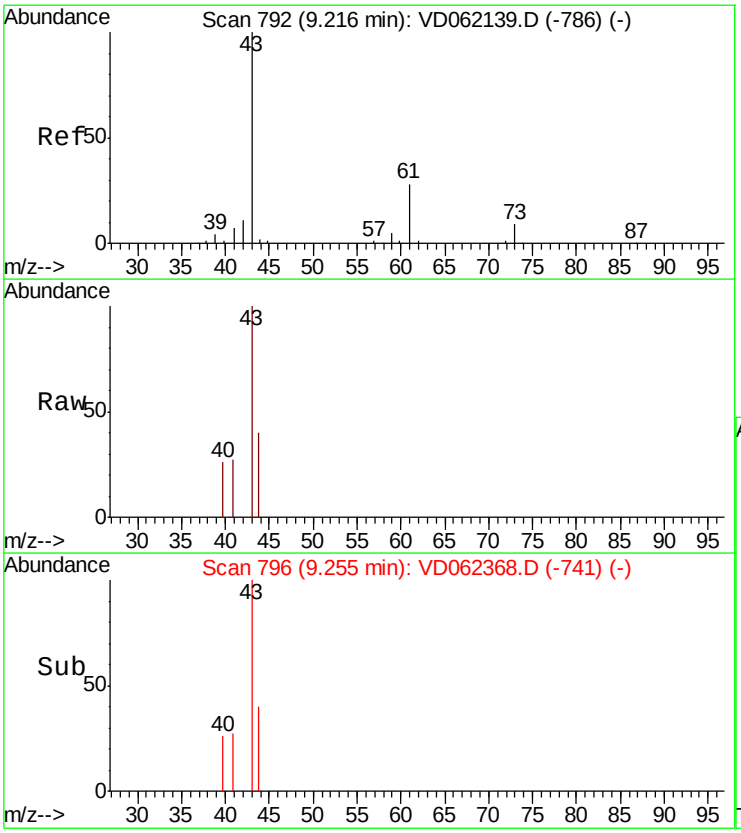
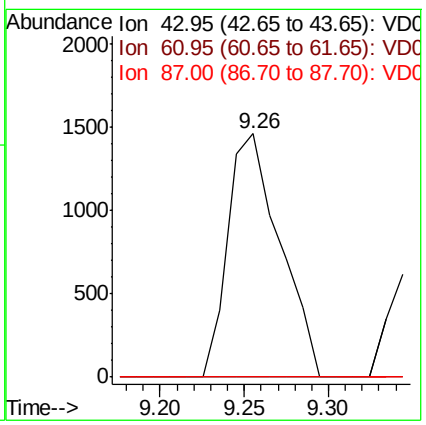


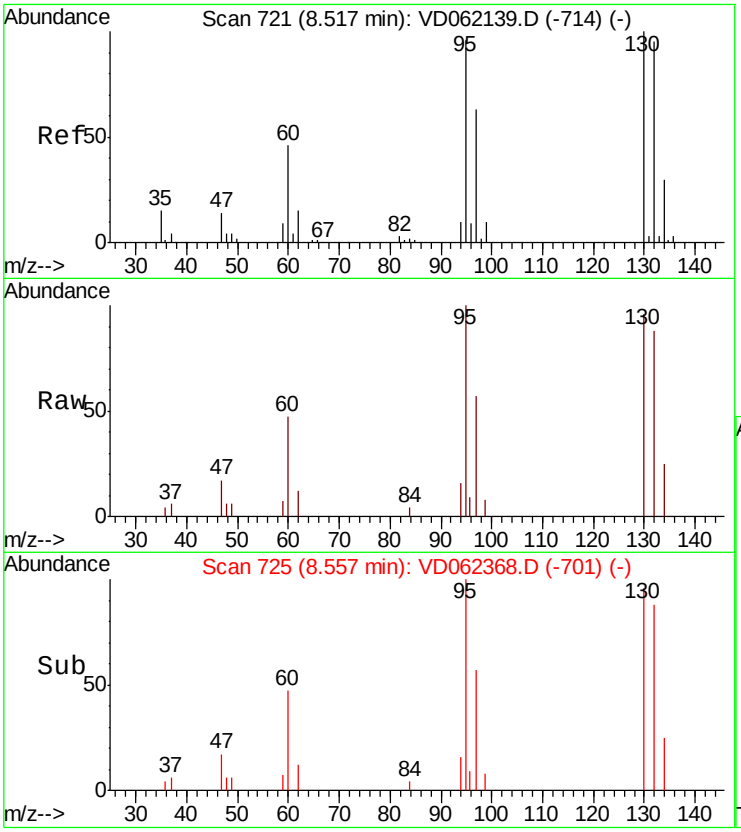




#43
Isopropyl Acetate
Concen: 10.580 ug/l
RT: 9.26 min Scan# 796
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 3128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 0.0 | 25.1 | 37.7# |
| 87 | 0.0 | 0.0 | 0.0 |

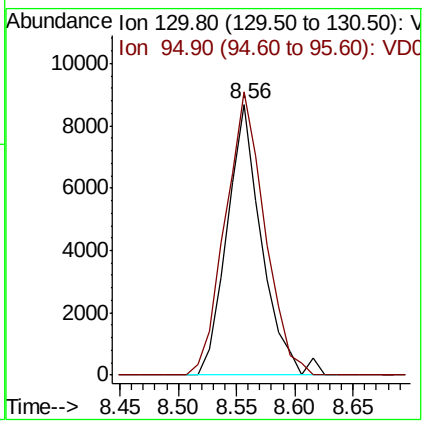





#44
Trichloroethene
Concen: 42.082 ug/l
RT: 8.56 min Scan# 725
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:130 Resp: 17799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 104.4 | 0.0 | 174.0 |




**Instrument :**
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**ClientSampleId :**
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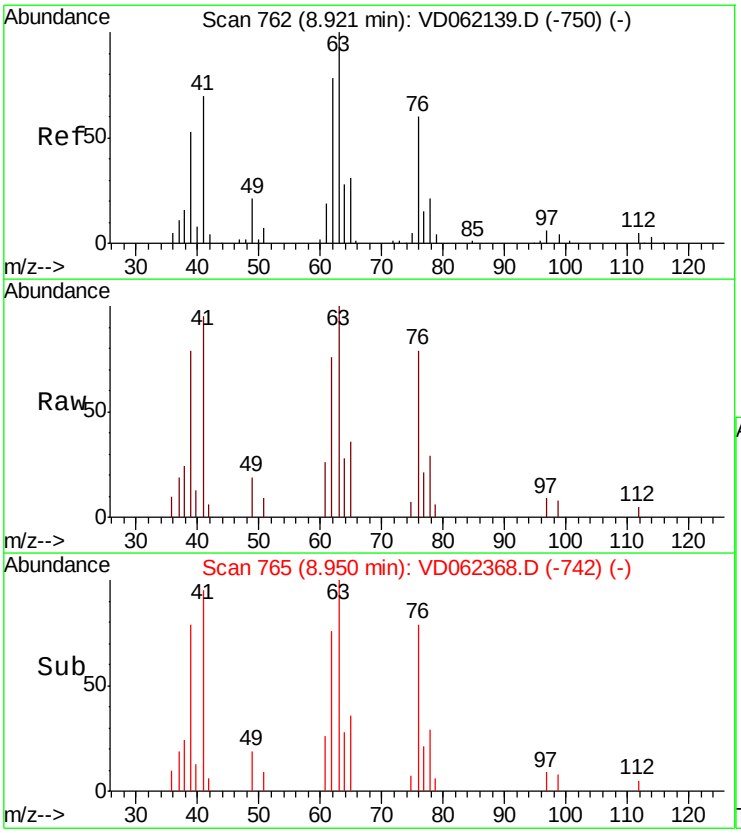
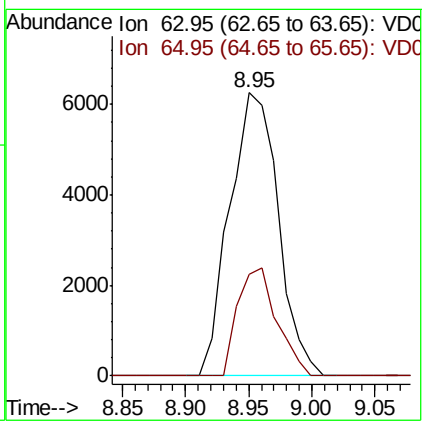
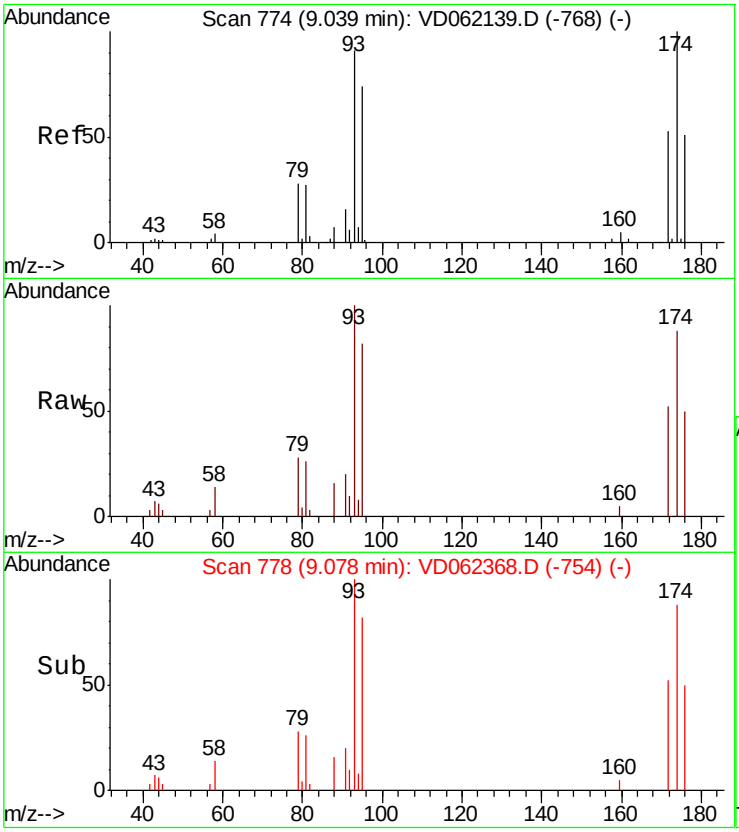



#45
1,2-Dichloropropane
Concen: 60.881 ug/l
RT: 8.95 min Scan# 765
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 63 Resp: 16715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 35.9 | 23.8 | 35.6# |

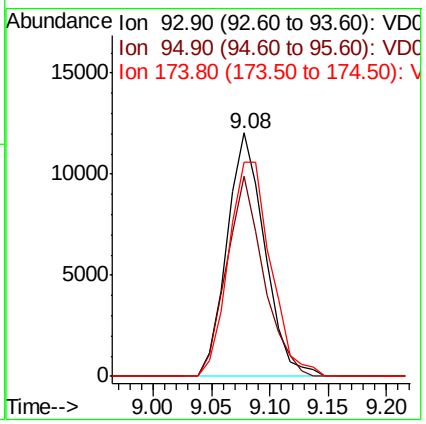





#46
Dibromomethane
Concen: 120.647 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 93 Resp: 26936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.2 | 64.8 | 97.2 |
| 174 | 88.1 | 79.3 | 118.9 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
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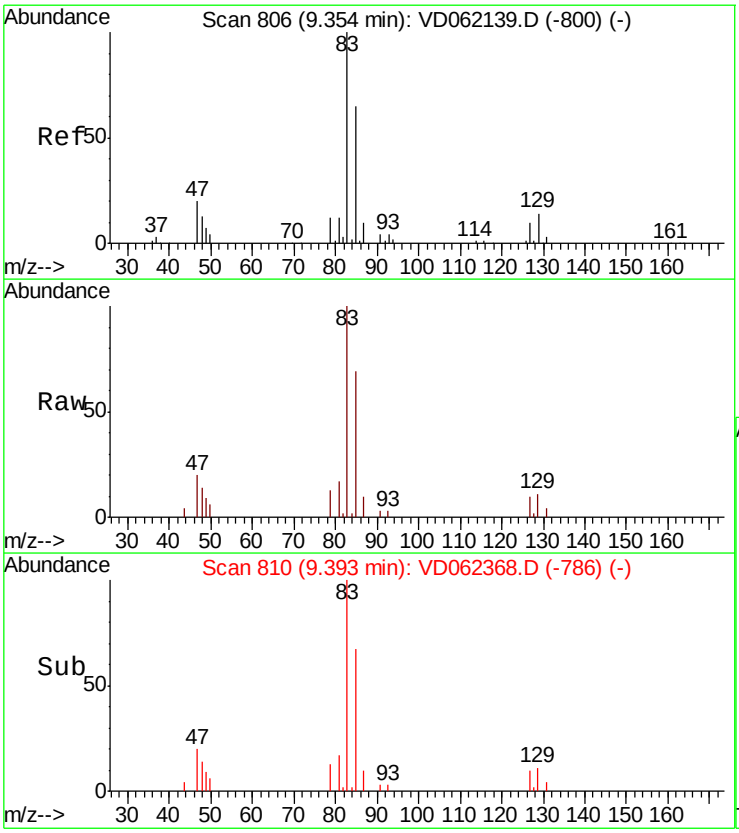
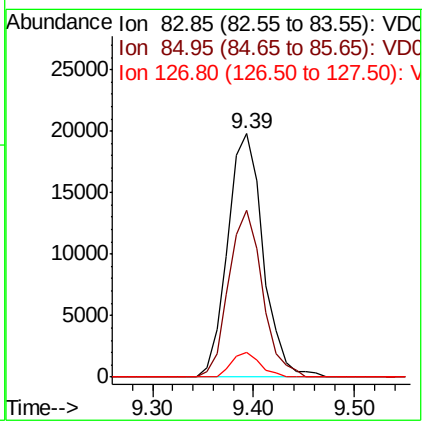
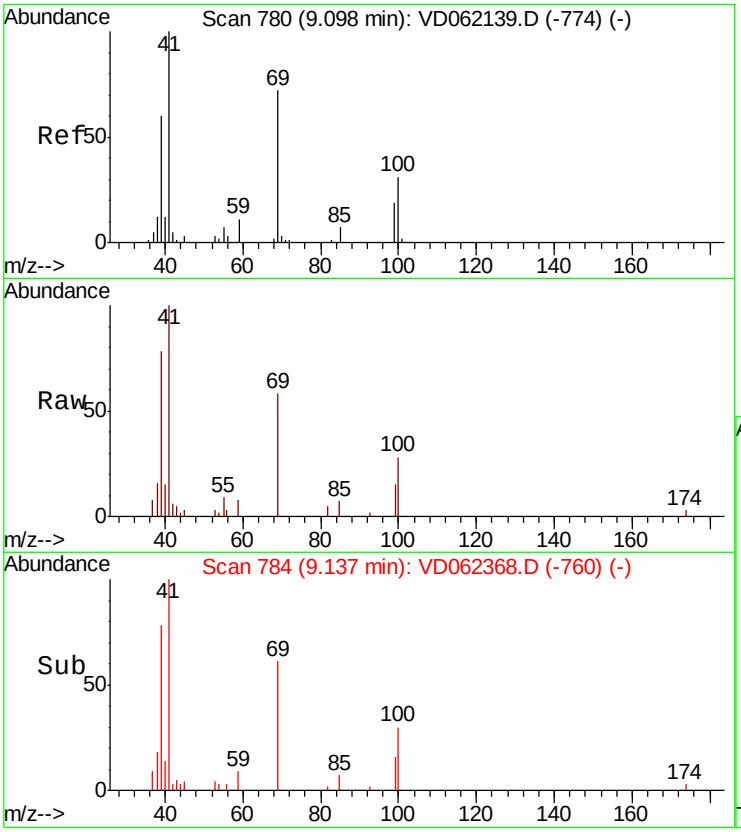



#47
Bromodichloromethane
Concen: 88.576 ug/l
RT: 9.39 min Scan# 810
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 83 Resp: 48372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.7 | 50.9 | 76.3 |
| 127 | 10.3 | 8.1 | 12.1 |






#48
Methyl methacrylate
Concen: 227.063 ug/l
RT: 9.14 min Scan# 784
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 41 Resp: 41349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 58.3 | 64.2 | 96.2# |
| 39 | 77.9 | 46.8 | 70.2# |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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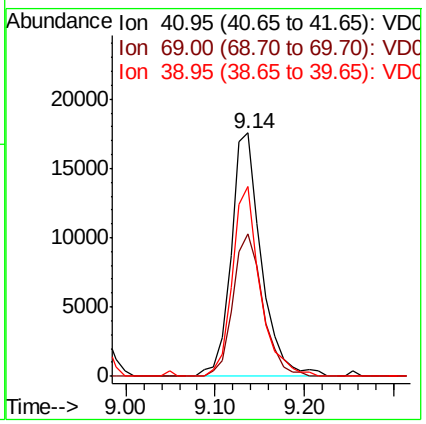
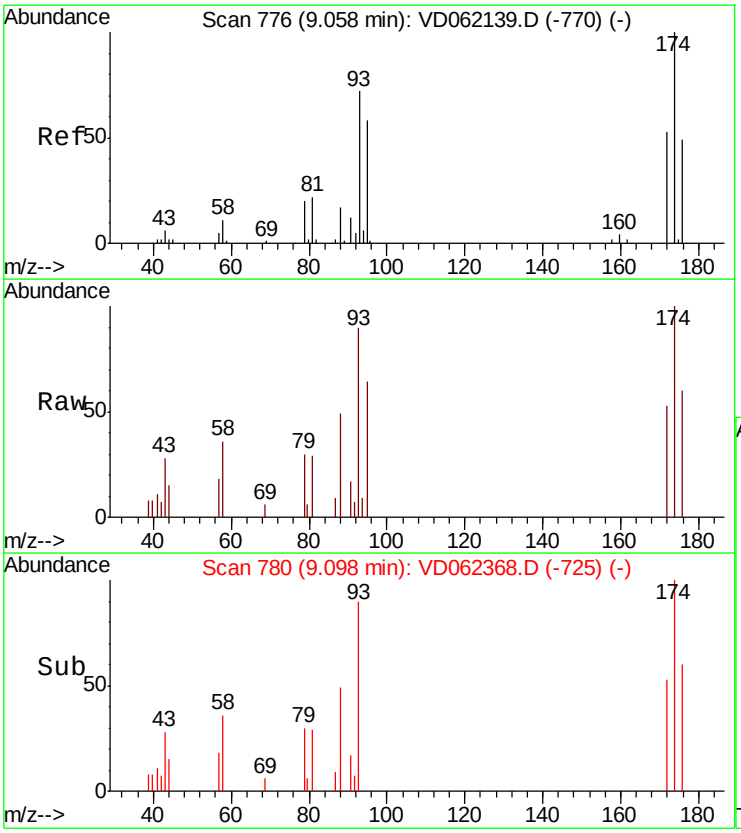
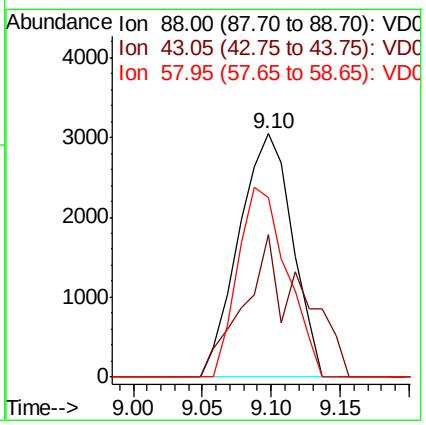


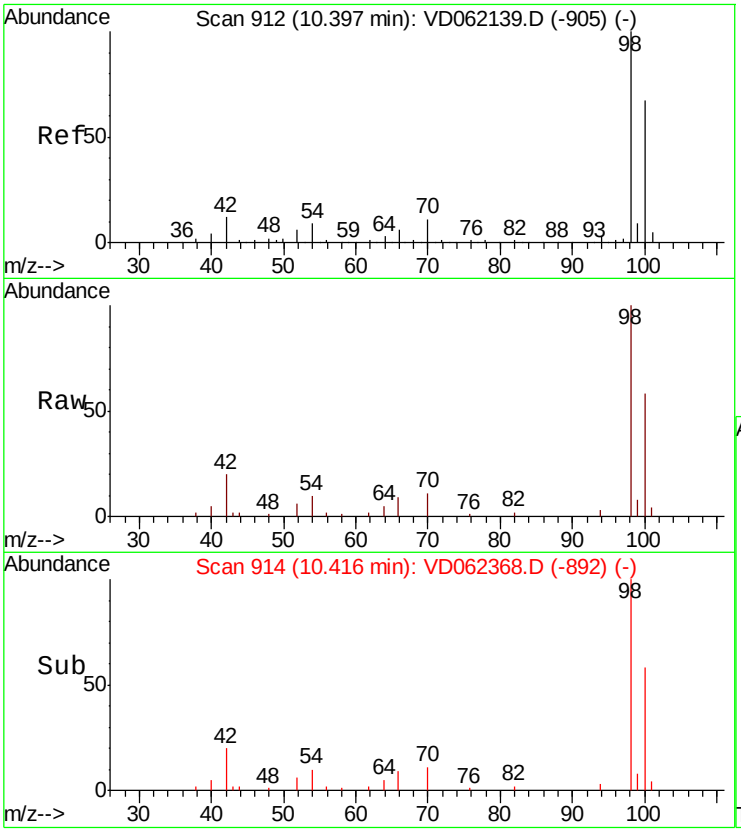




#49
1,4-Dioxane
Concen: 4195.319 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 88 Resp: 8243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 58.5 | 23.4 | 35.0# |
| 58 | 74.0 | 44.0 | 66.0# |






#50
Toluene-d8
Concen: 60.648 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 98 Resp: 72737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 58.0 | 53.8 | 80.8 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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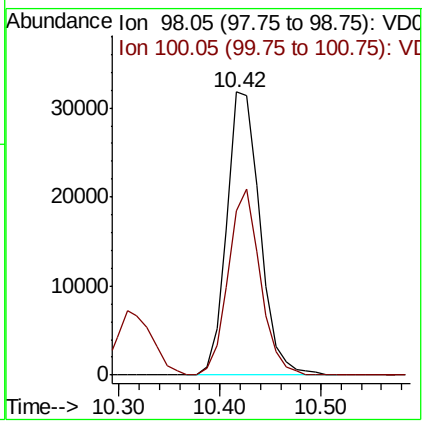
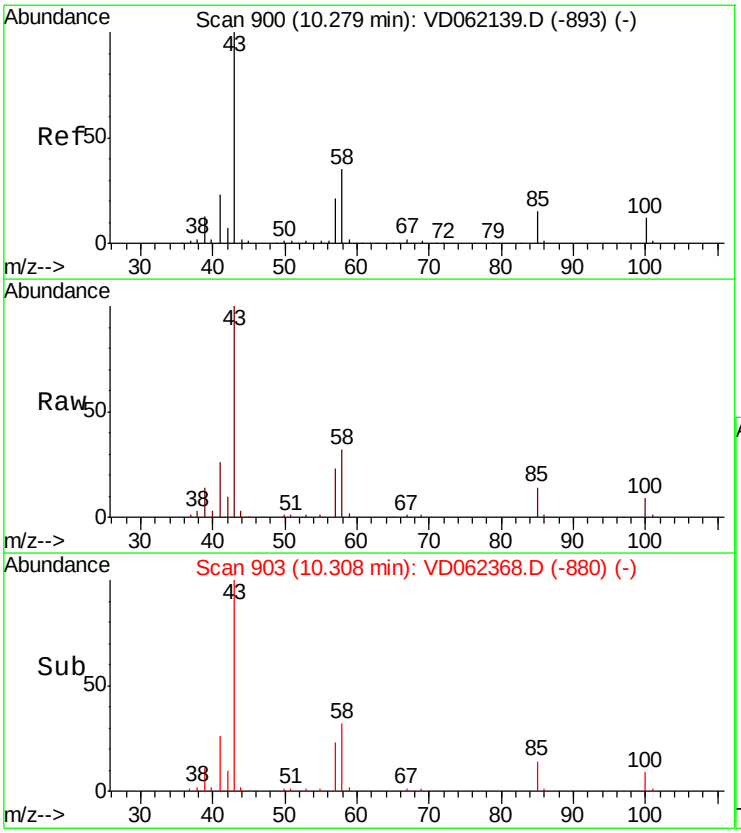
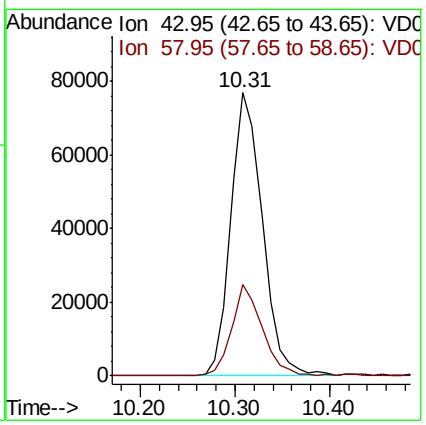


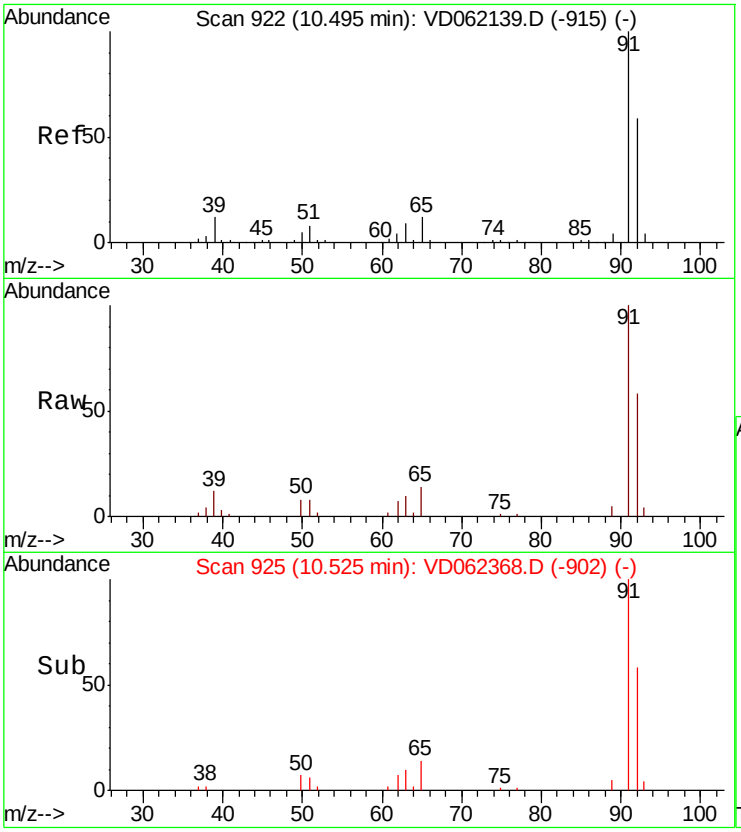




#51
4-Methyl-2-Pentanone
Concen: 934.160 ug/l
RT: 10.31 min Scan# 903
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 177529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 30.4 | 45.6 |






#52
Toluene
Concen: 55.828 ug/l
RT: 10.52 min Scan# 925
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 92 Resp: 40319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 136.6 | 204.8 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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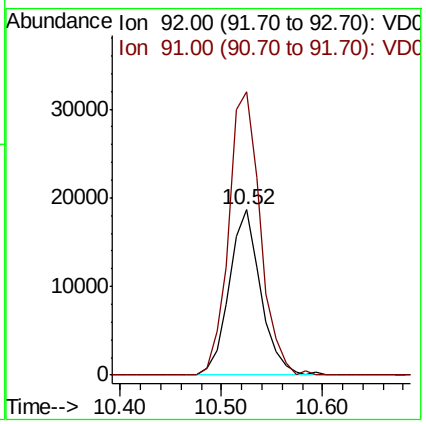
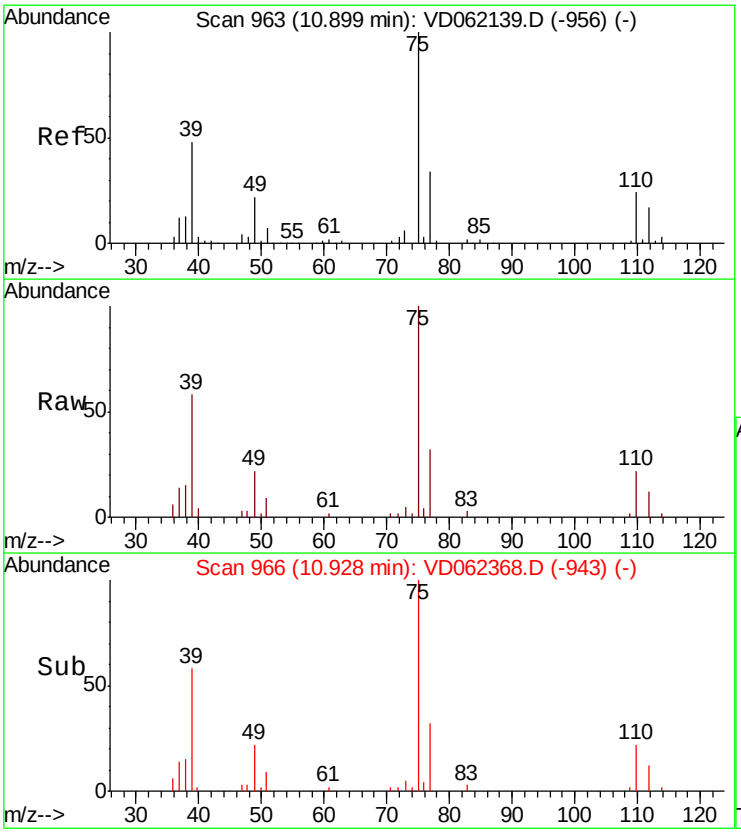
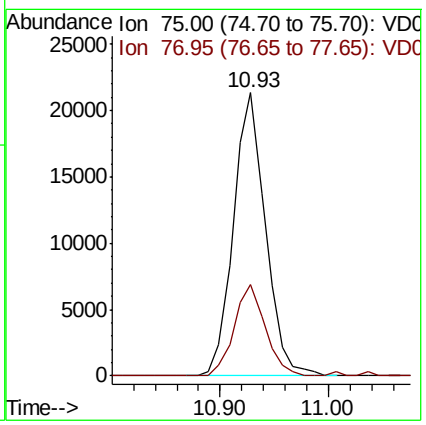


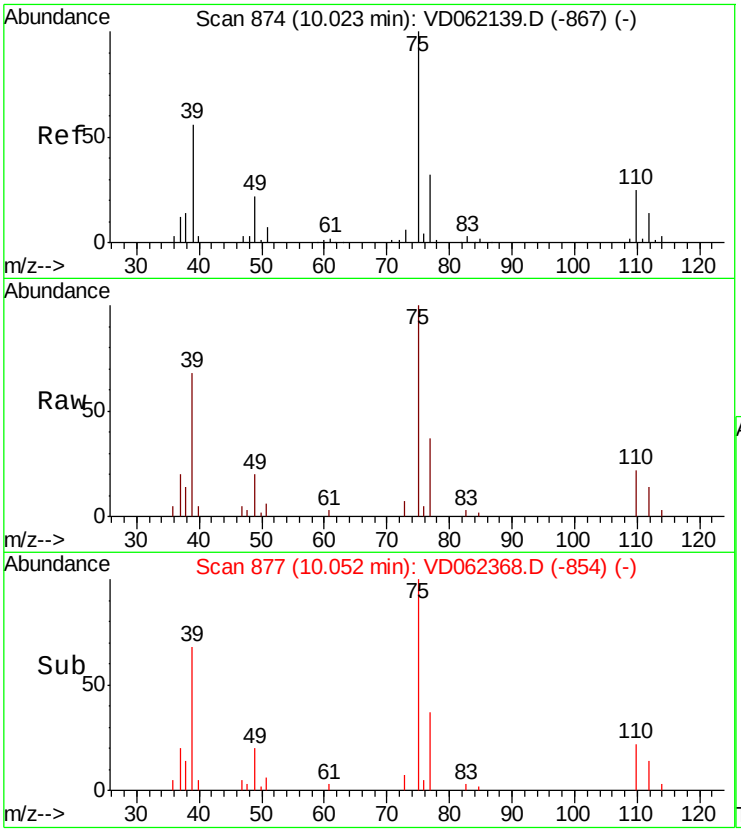




#53
t-1,3-Dichloropropene
Concen: 92.938 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 43866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 25.8 | 38.8 |






#54
cis-1,3-Dichloropropene
Concen: 68.795 ug/l
RT: 10.05 min Scan# 877
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 35423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.9 | 25.5 | 38.3 |
| 39 | 67.6 | 39.4 | 59.2# |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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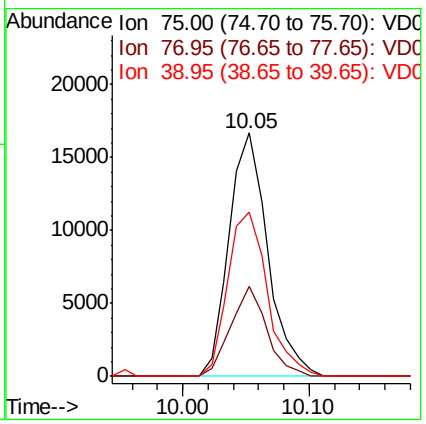
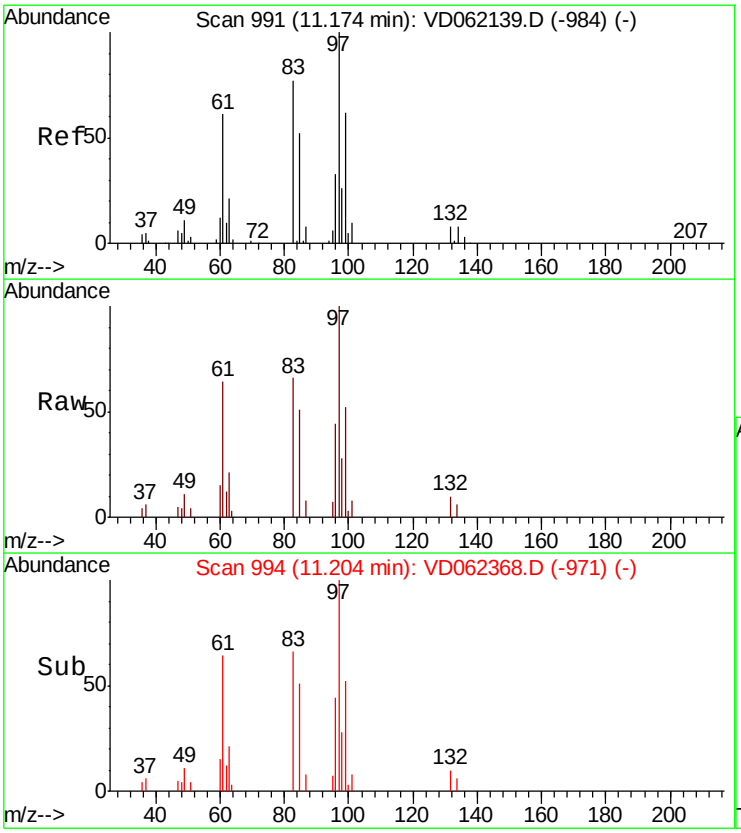
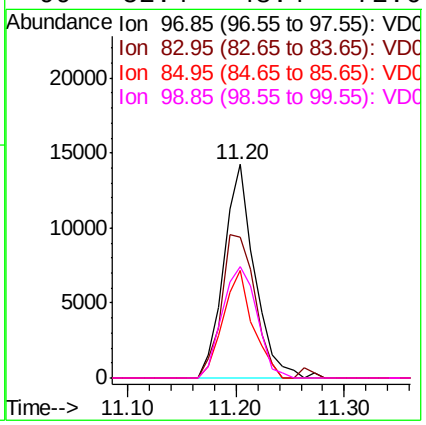


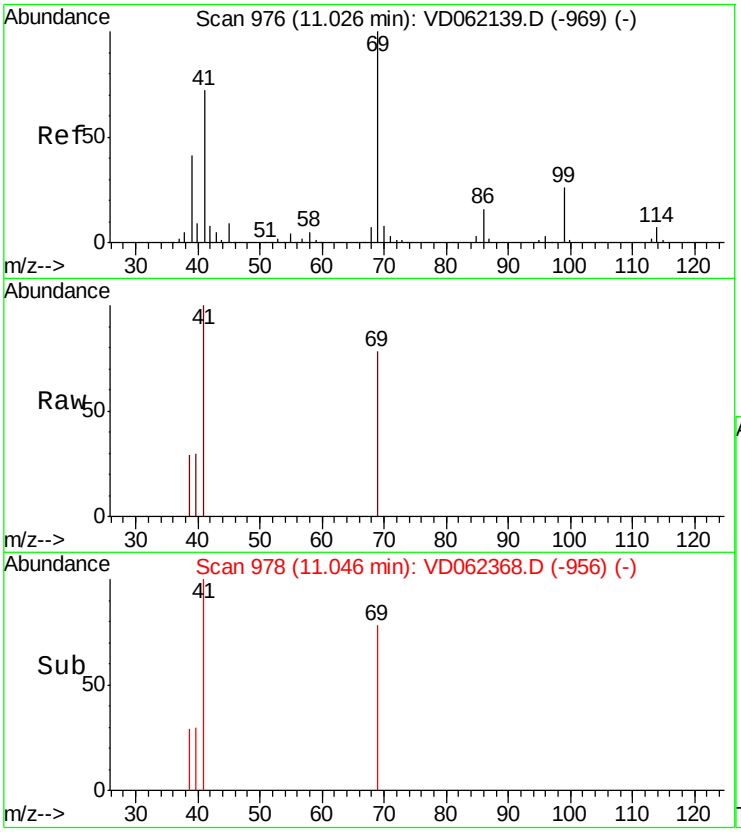




#55
1,1,2-Trichloroethane
Concen: 110.179 ug/l
RT: 11.20 min Scan# 994
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 97 Resp: 28154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 65.7 | 65.7 | 98.5# |
| 85 | 50.6 | 45.6 | 68.4 |
| 99 | 52.4 | 48.4 | 72.6 |

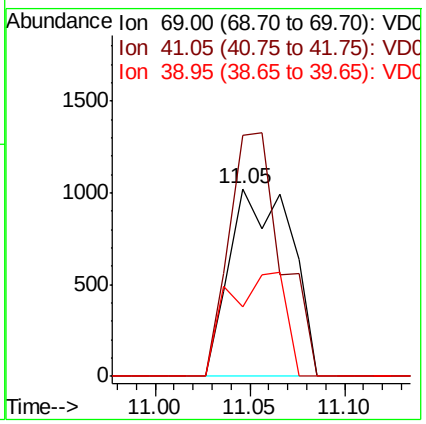





#56
Ethyl methacrylate
Concen: 8.718 ug/l
RT: 11.05 min Scan# 978
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 69 Resp: 2315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 128.3 | 56.3 | 84.5# |
| 39 | 37.2 | 29.4 | 44.2 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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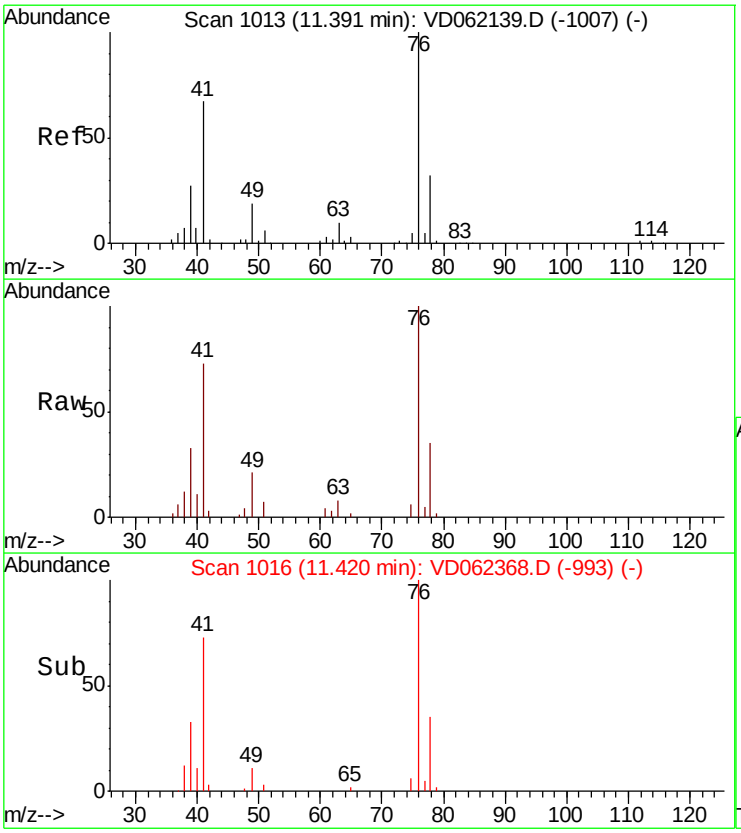
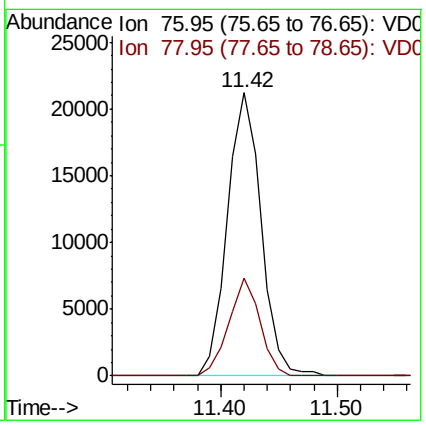
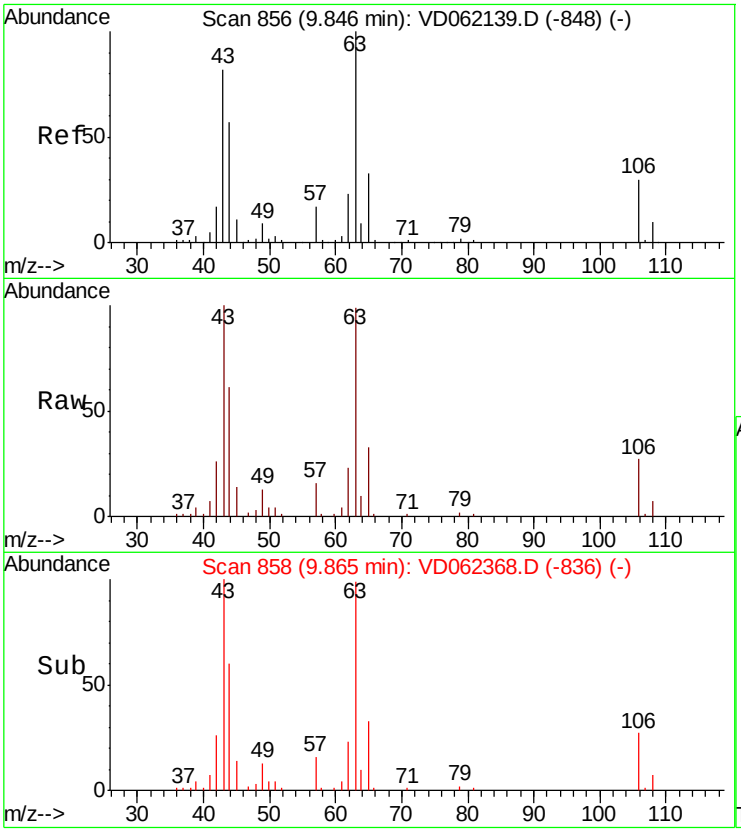



#57
1,3-Dichloropropane
Concen: 110.148 ug/l
RT: 11.42 min Scan# 1016
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 76 Resp: 42522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 34.8 | 26.2 | 39.2 |






#58
2-Chloroethyl Vinyl ether
Concen: 726.609 ug/l
RT: 9.87 min Scan# 858
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 63 Resp: 105390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 22.6 | 34.0 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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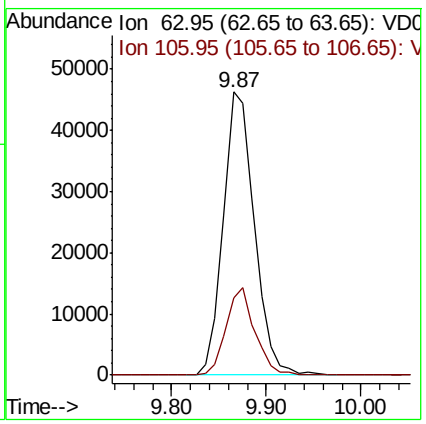
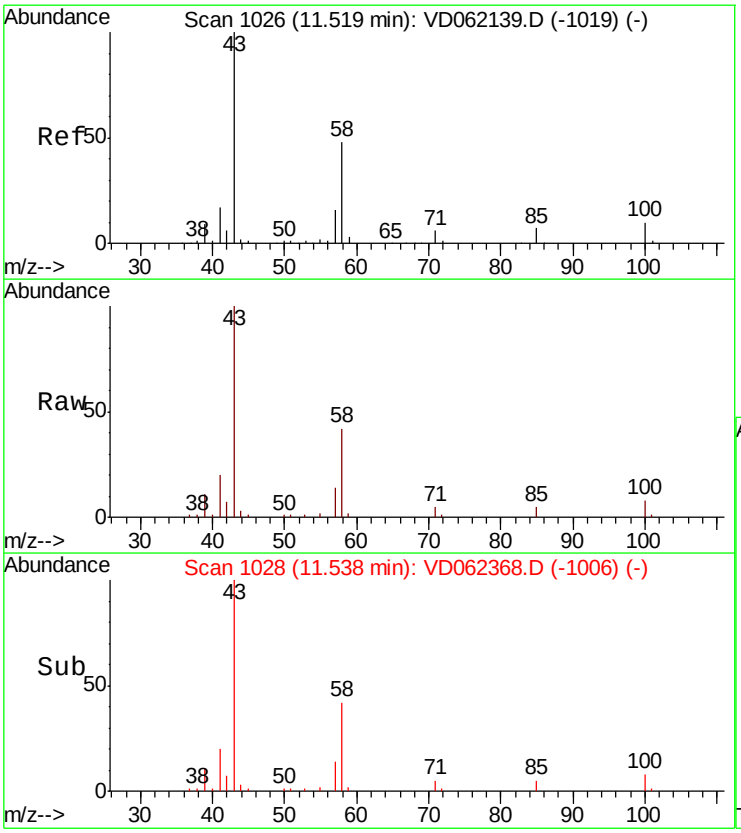
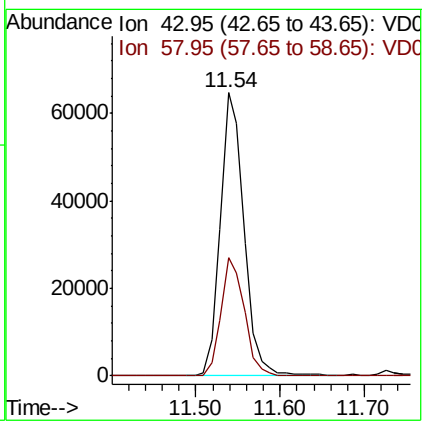


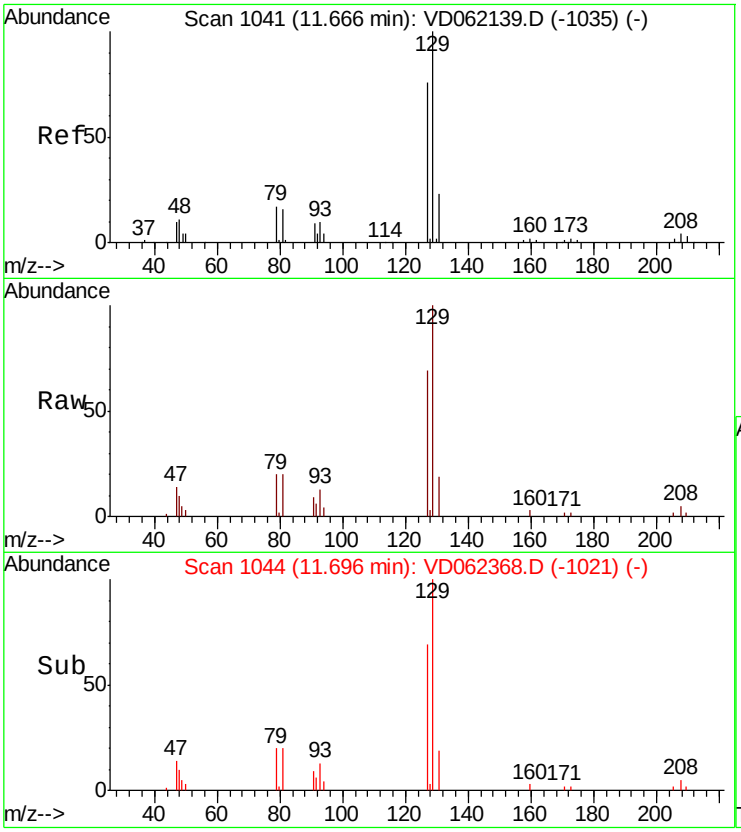




#59
2-Hexanone
Concen: 898.430 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 43 Resp: 125841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.7 | 25.4 | 76.4 |






#60
Dibromochloromethane
Concen: 101.060 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:129 Resp: 44629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 69.3 | 38.0 | 113.9 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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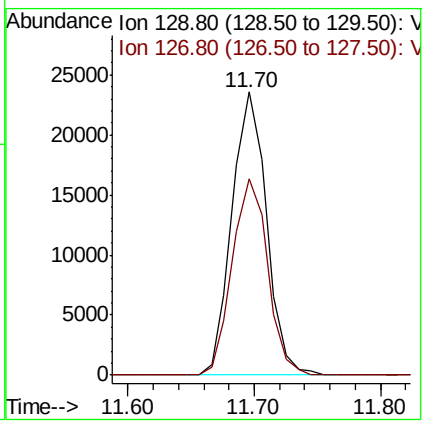
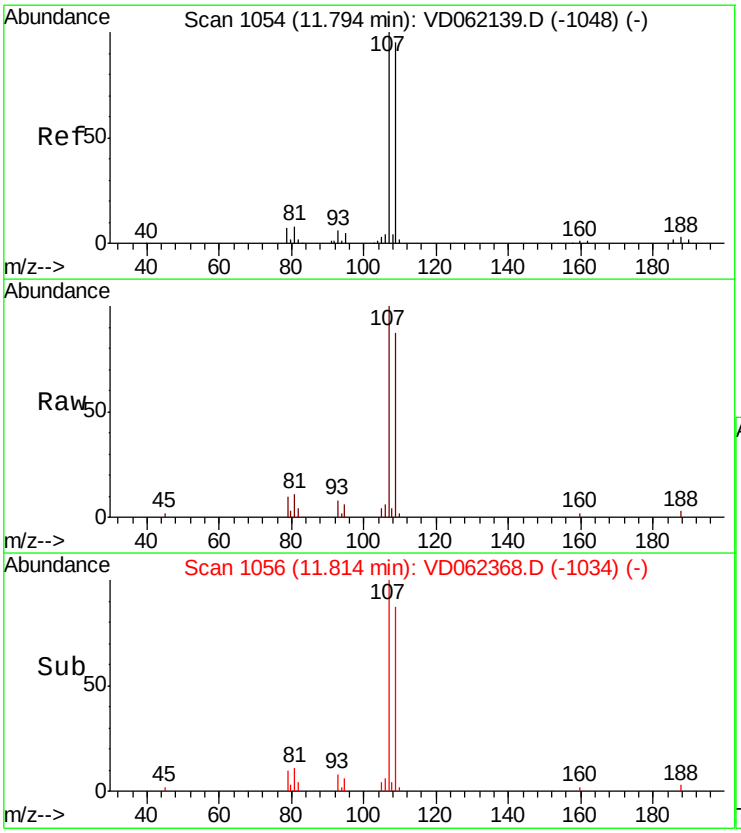
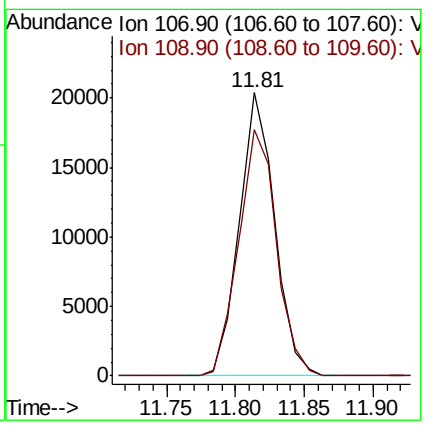


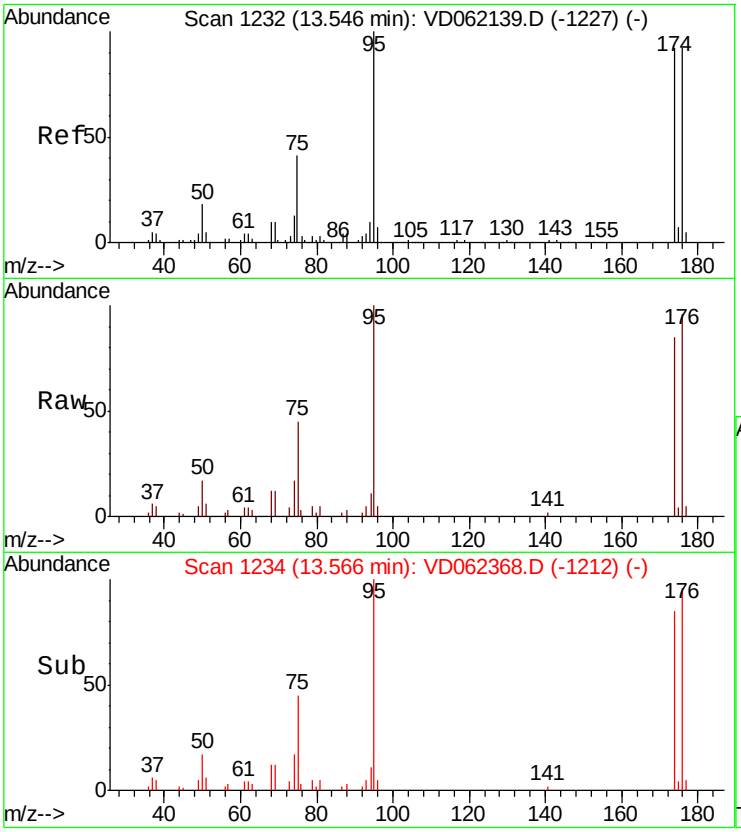




#61
1,2-Dibromoethane
Concen: 117.609 ug/l
RT: 11.81 min Scan# 1056
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:107 Resp: 36537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 87.2 | 78.3 | 117.5 |

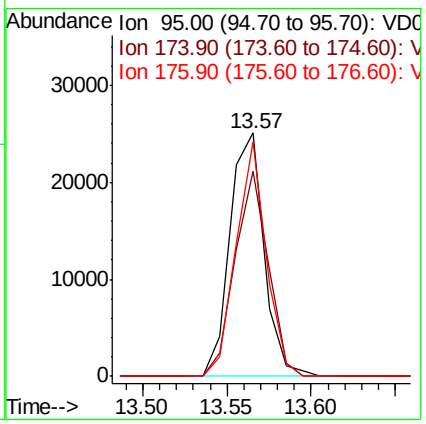





#62
4-Bromofluorobenzene
Concen: 73.065 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 95 Resp: 35189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 84.5 | 0.0 | 181.8 |
| 176 | 96.4 | 0.0 | 174.4 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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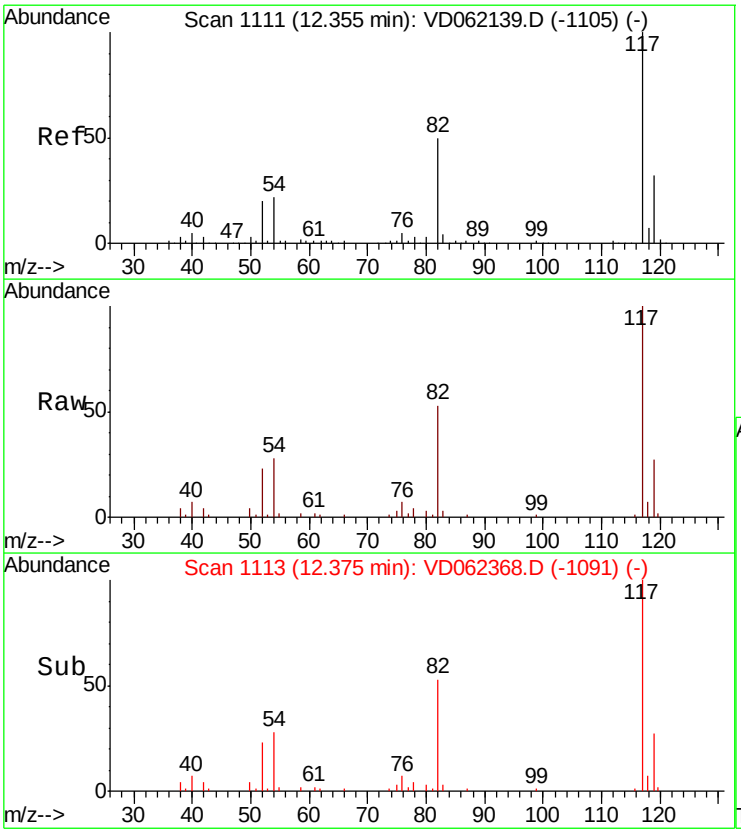
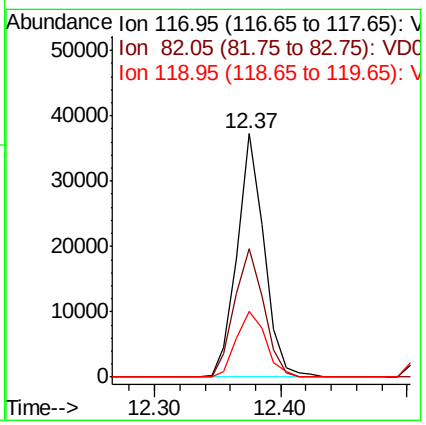
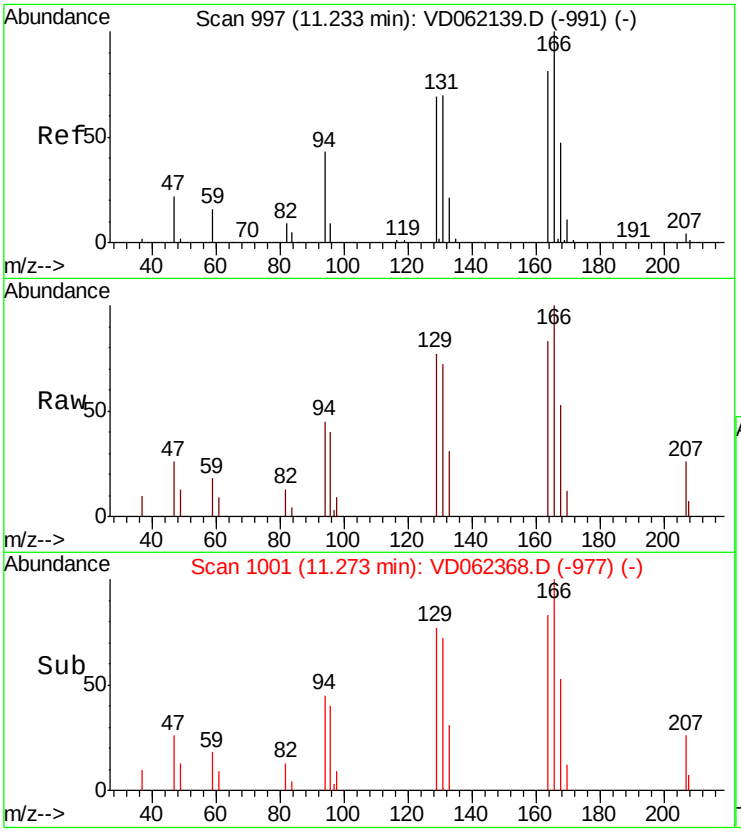



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:117 Resp: 55317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 36.2 | 54.2# |
| 119 | 27.2 | 26.2 | 39.4 |

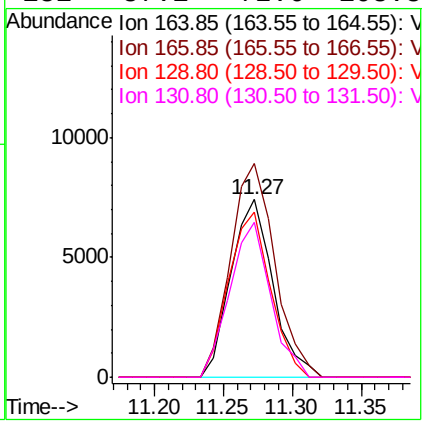





#64
Tetrachloroethene
Concen: 36.303 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:164 Resp: 15703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 120.4 | 101.5 | 152.3 |
| 129 | 93.0 | 74.6 | 112.0 |
| 131 | 87.1 | 72.6 | 108.8 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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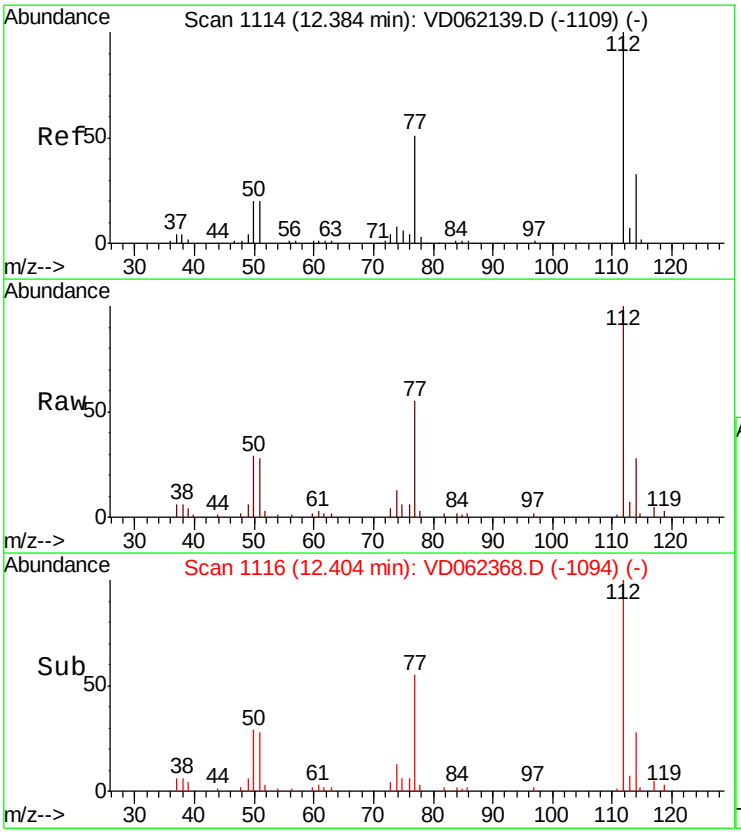
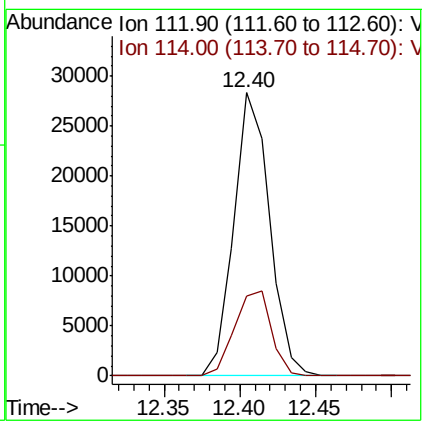
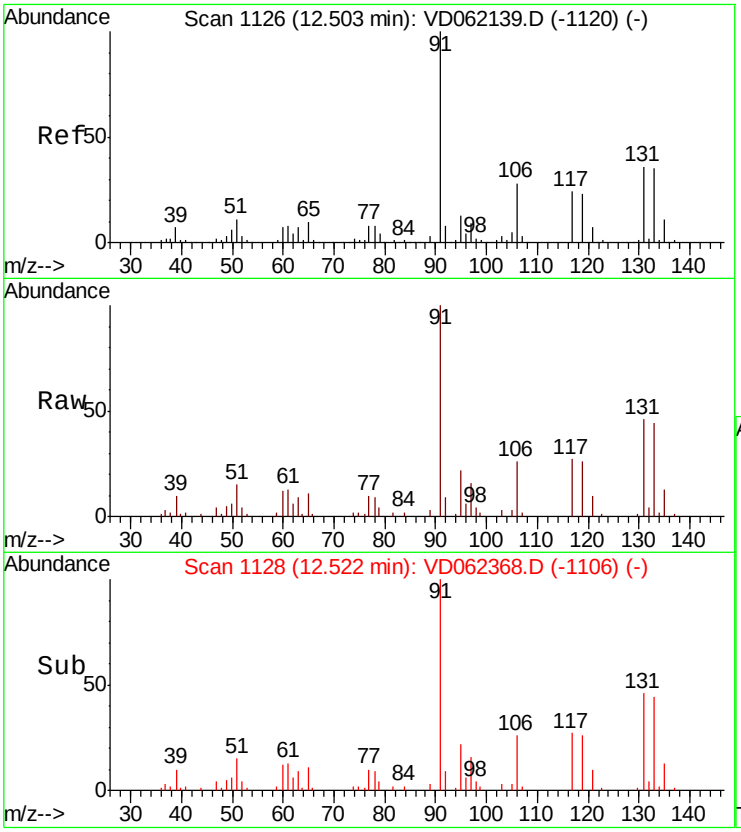



#65
Chlorobenzene
Concen: 45.108 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:112 Resp: 46475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.9 | 25.8 | 38.8 |

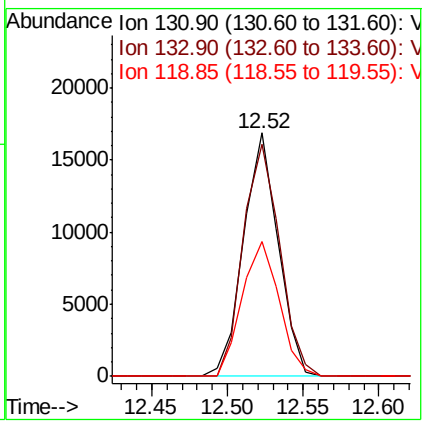





#66
1,1,1,2-Tetrachloroethane
Concen: 60.321 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:131 Resp: 27048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 48.6 | 145.8 |
| 119 | 55.4 | 34.7 | 104.1 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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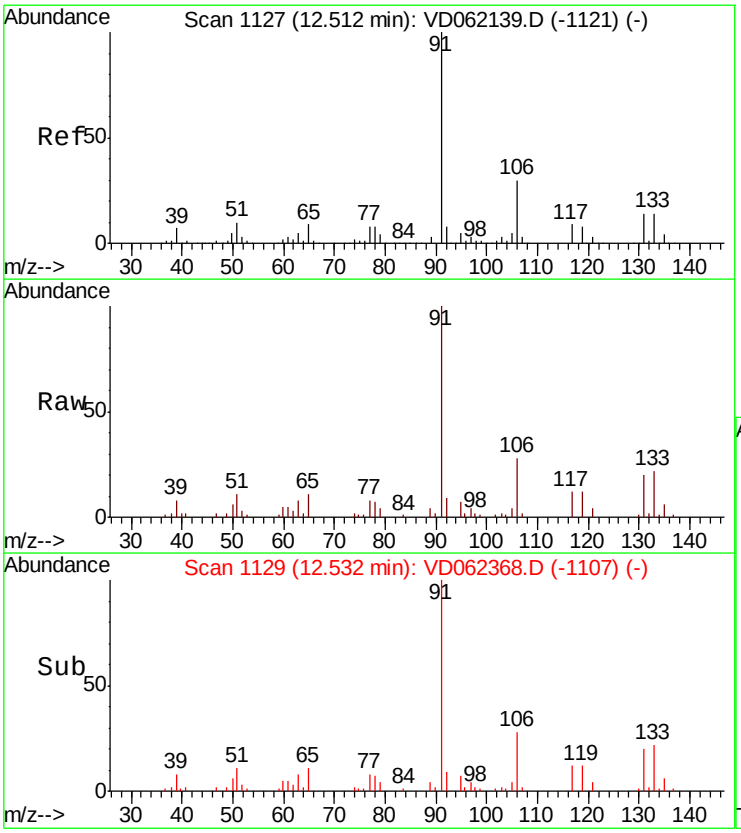
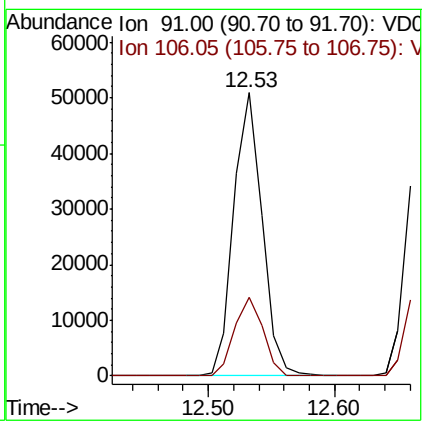
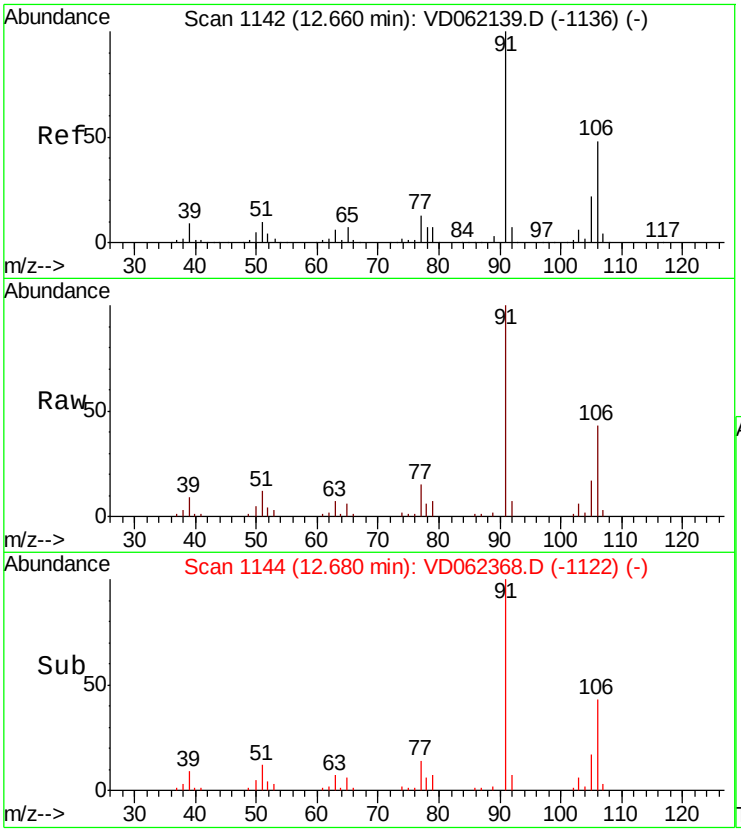



#67
Ethyl Benzene
Concen: 45.882 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 79141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.7 | 24.7 | 37.1 |






#68
m/p-Xylenes
Concen: 74.434 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:106 Resp: 46711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 234.9 | 164.0 | 246.0 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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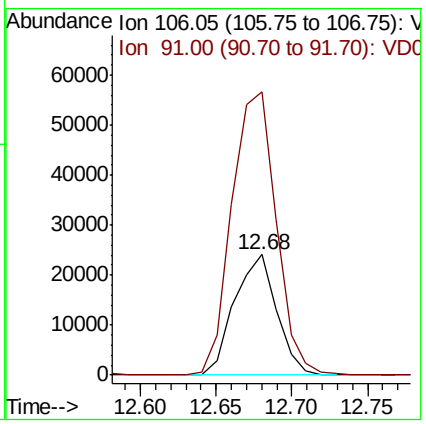
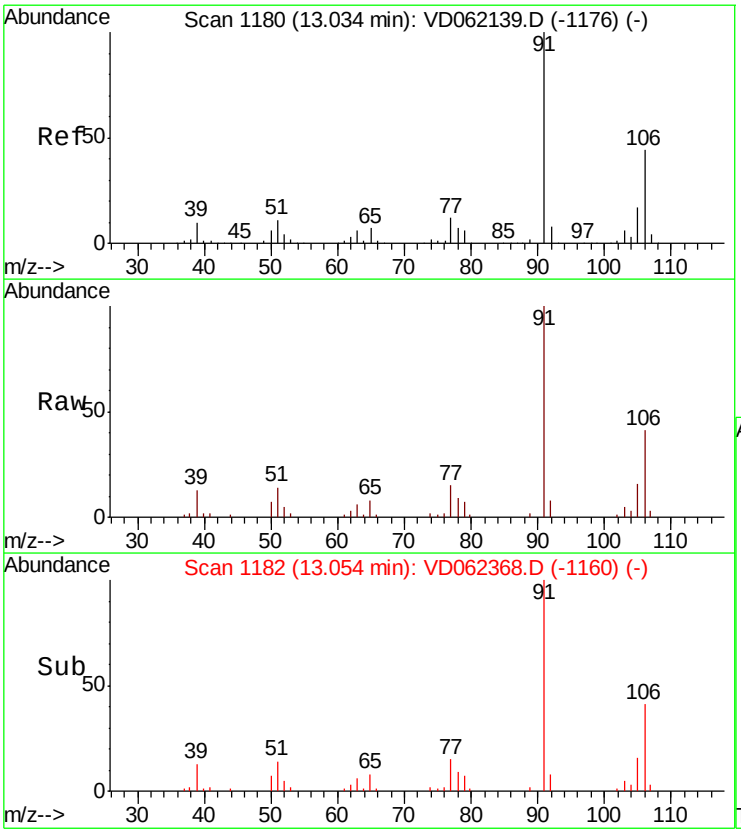
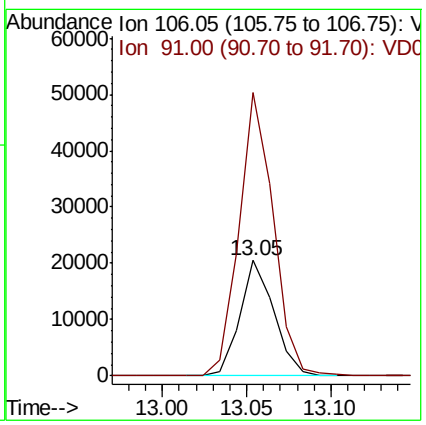


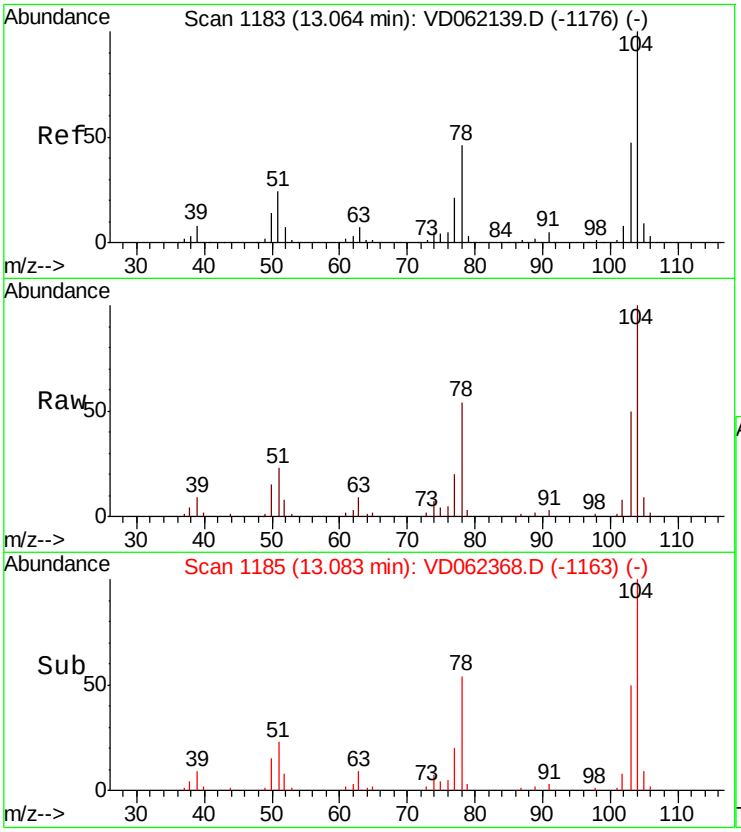




#69
o-Xylene
Concen: 49.038 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:106 Resp: 28610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 245.6 | 106.7 | 319.9 |

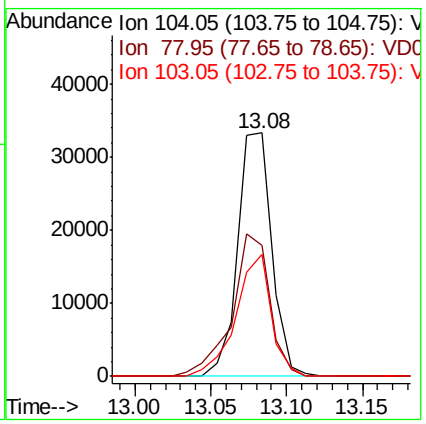





#70
Styrene
Concen: 52.813 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:104 Resp: 52197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.7 | 35.4 | 53.2# |
| 103 | 50.0 | 37.5 | 56.3 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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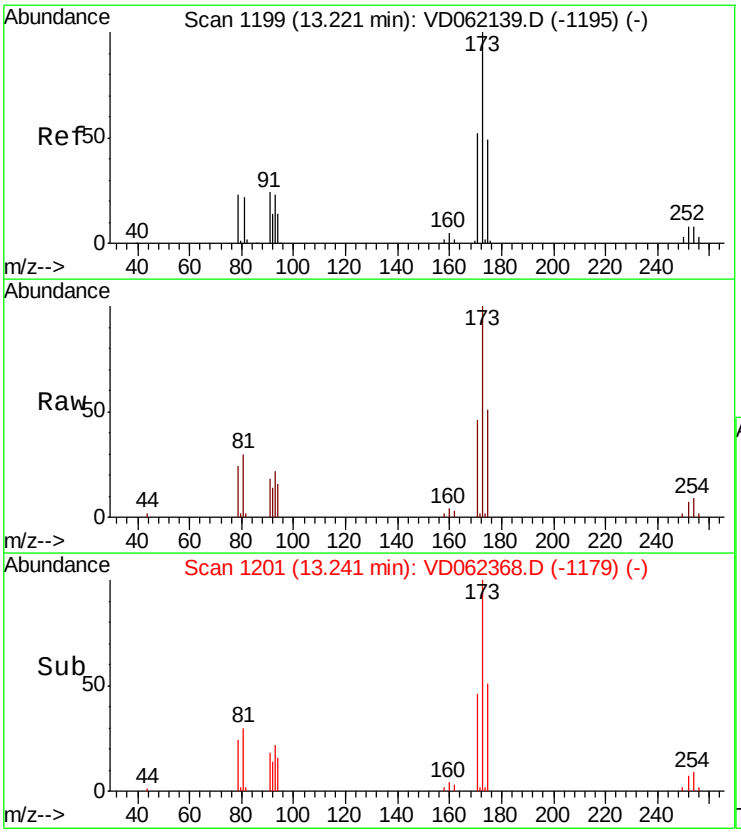
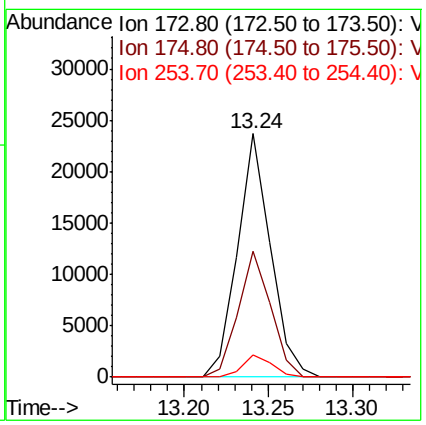
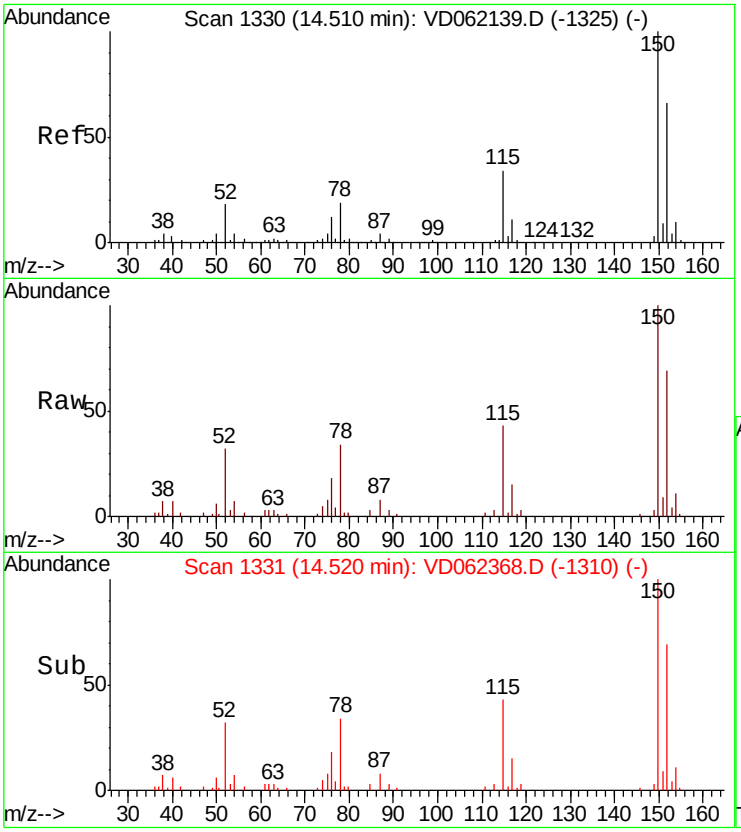



#71
Bromoform
Concen: 103.280 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:173 Resp: 32220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.5 | 24.4 | 73.4 |
| 254 | 9.3 | 5.4 | 8.2# |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:152 Resp: 26775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.6 | 30.9 | 92.7 |
| 150 | 144.5 | 0.0 | 314.8 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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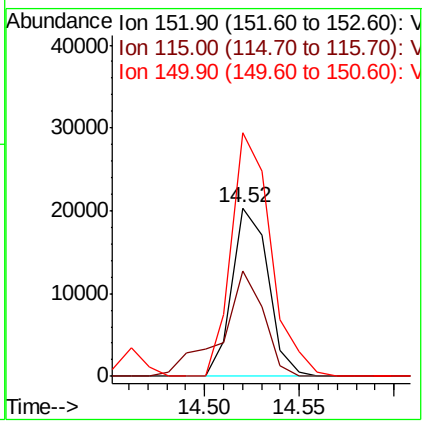
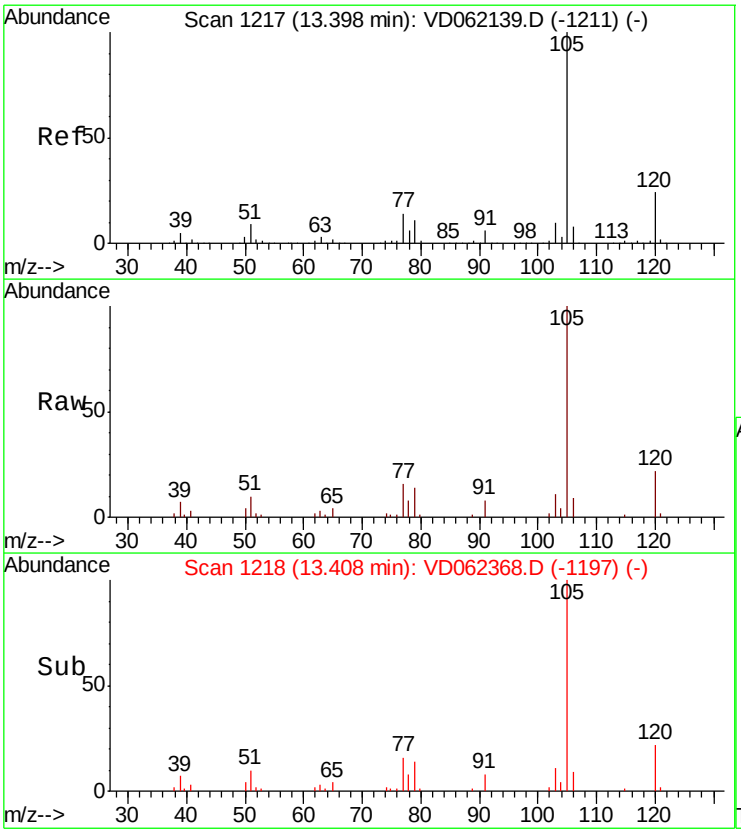
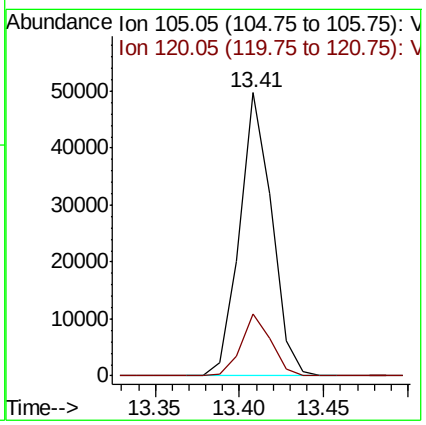


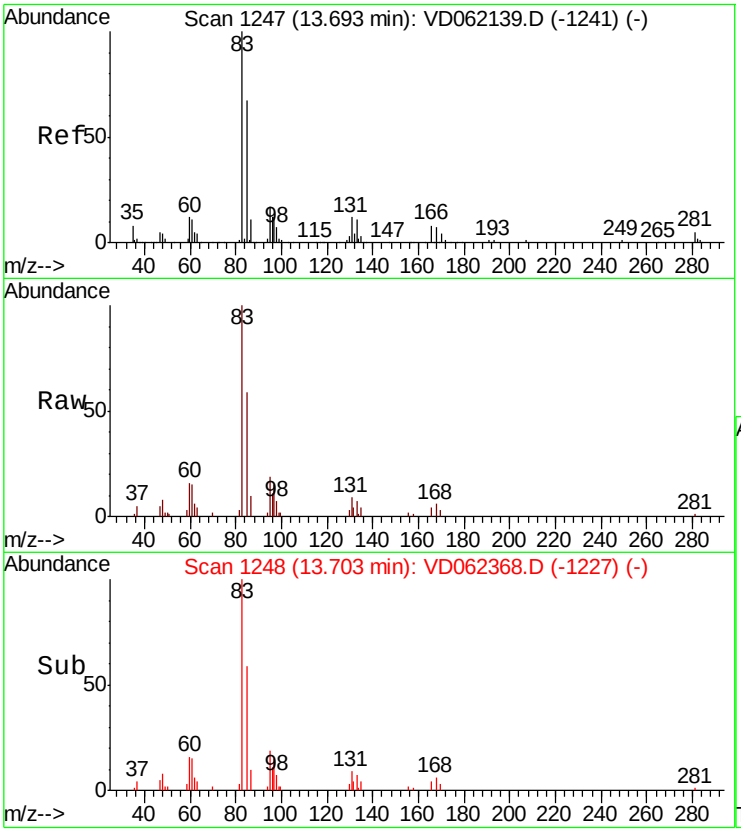




#73
Isopropylbenzene
Concen: 40.943 ug/l
RT: 13.41 min Scan# 1218
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 65712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 21.7 | 12.0 | 36.1 |






#75
1,1,2,2-Tetrachloroethane
Concen: 131.506 ug/l
RT: 13.70 min Scan# 1248
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 83 Resp: 39957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 12.8 | 5.0 | 14.9 |
| 85 | 58.9 | 32.6 | 97.7 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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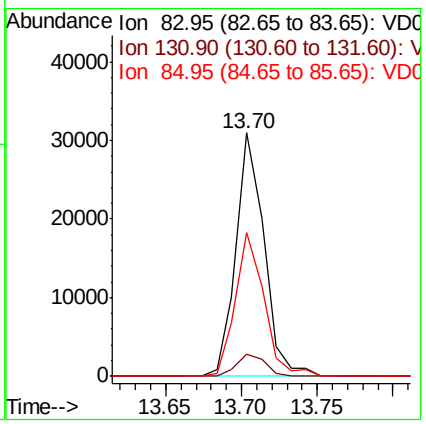
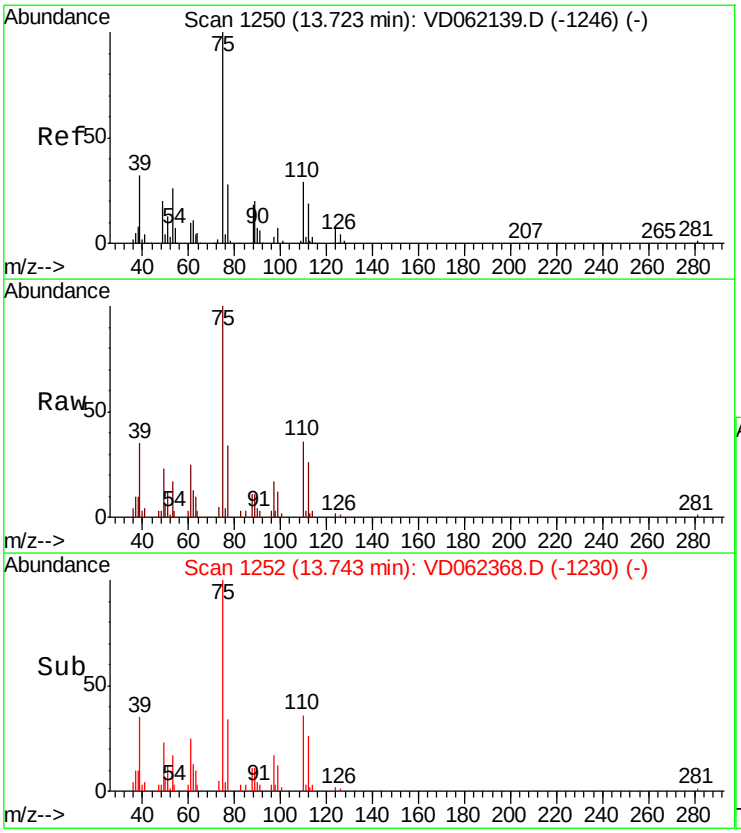
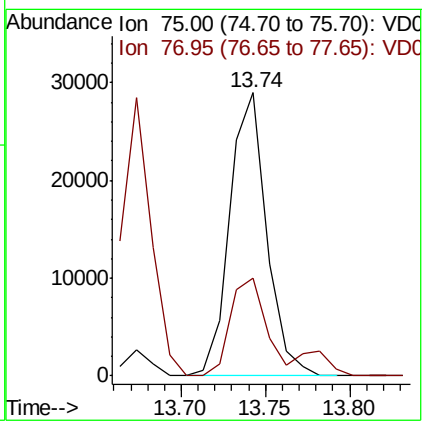


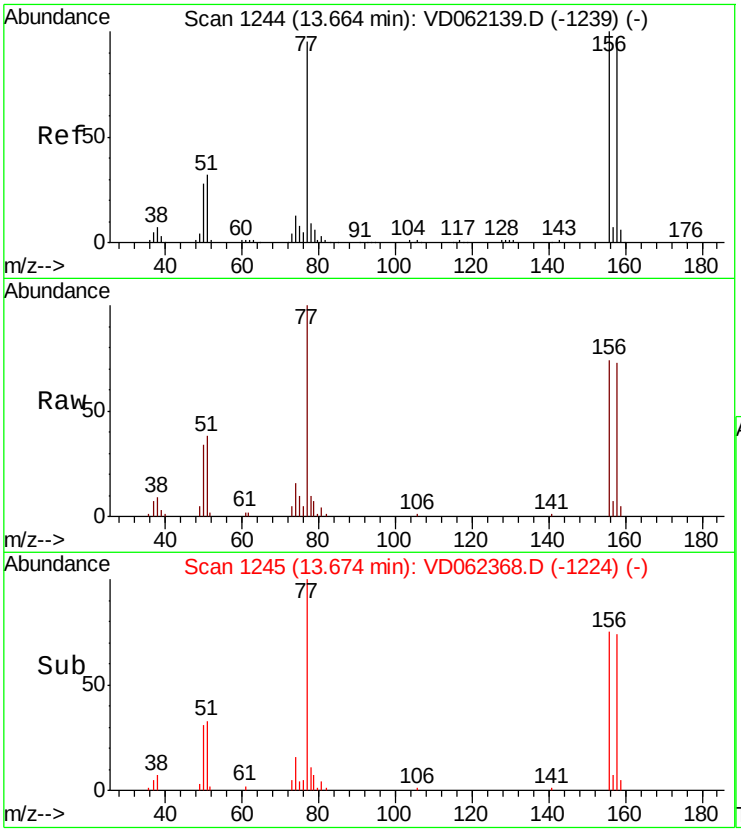




#76
1,2,3-Trichloropropane
Concen: 137.850 ug/l
RT: 13.74 min Scan# 1252
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 43864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.4 | 16.4 | 49.4 |






#77
Bromobenzene
Concen: 60.132 ug/l
RT: 13.67 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:156 Resp: 27017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 135.9 | 53.1 | 159.4 |
| 158 | 98.7 | 49.4 | 148.0 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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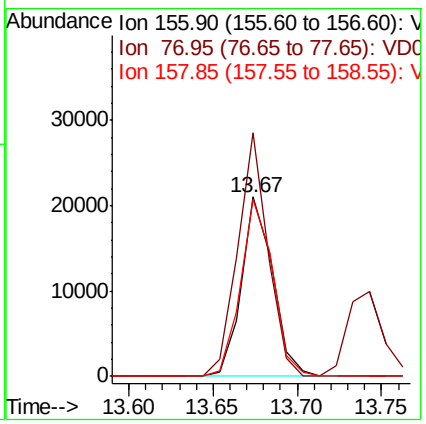
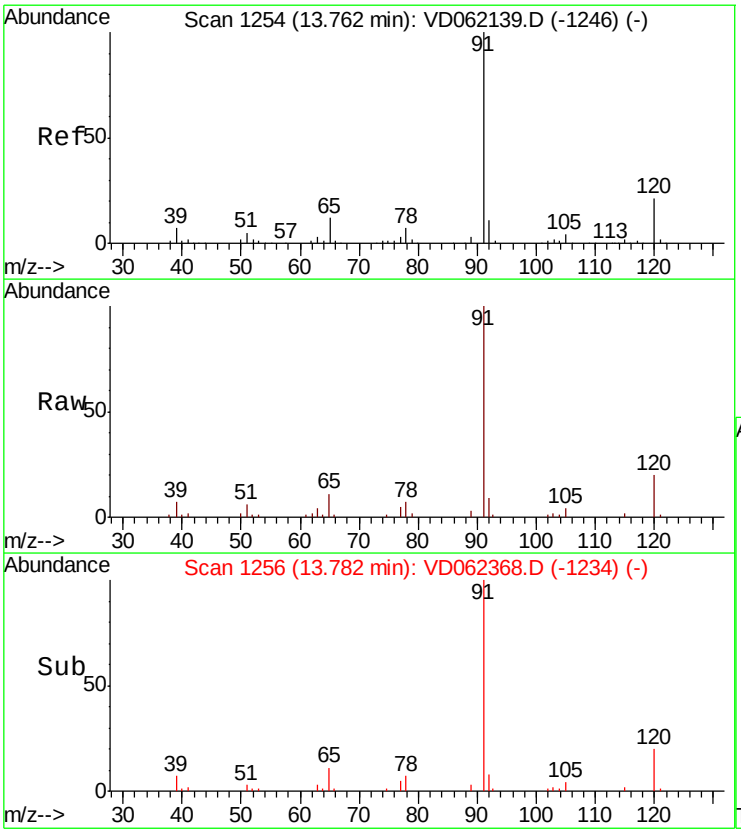
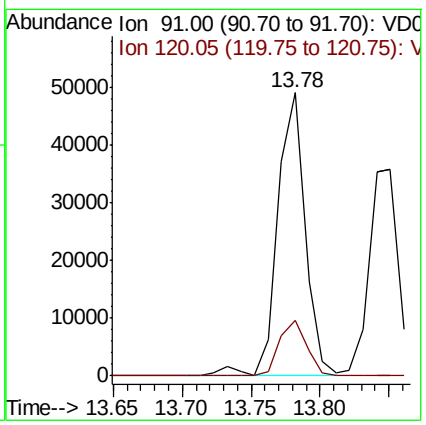


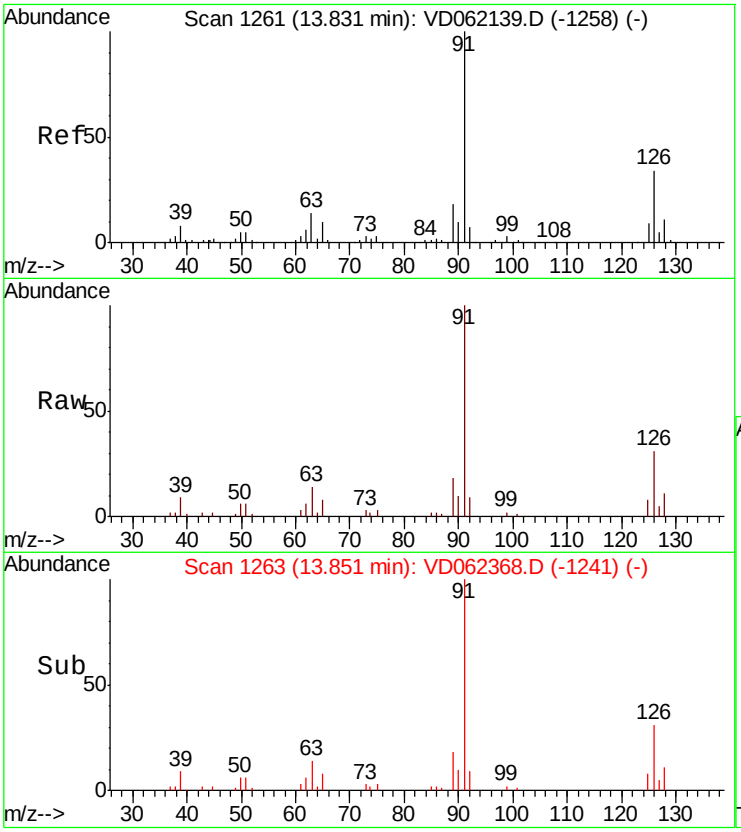




#78
n-propylbenzene
Concen: 35.345 ug/l
RT: 13.78 min Scan# 1256
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 67670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 19.6 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 48.592 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 53281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.1 | 18.6 | 55.8 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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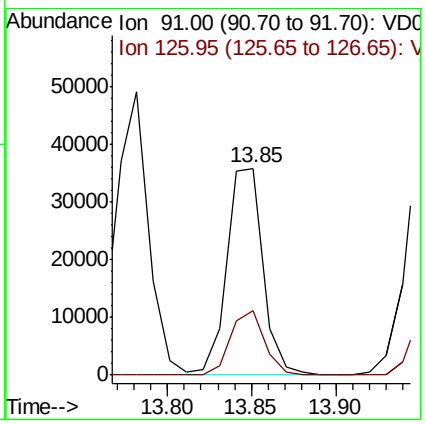
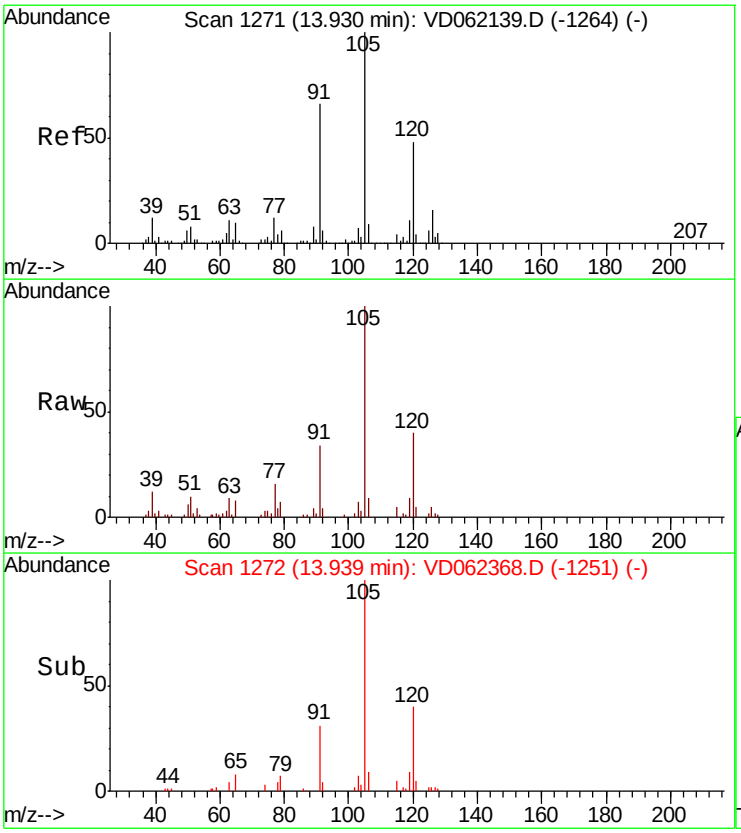
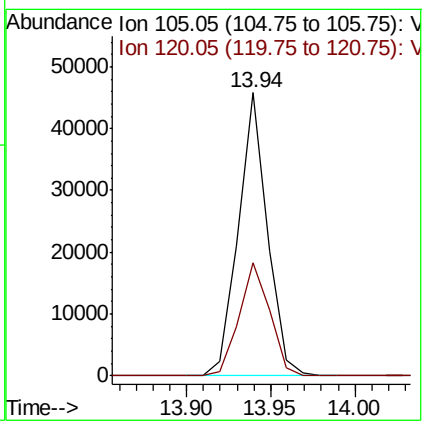


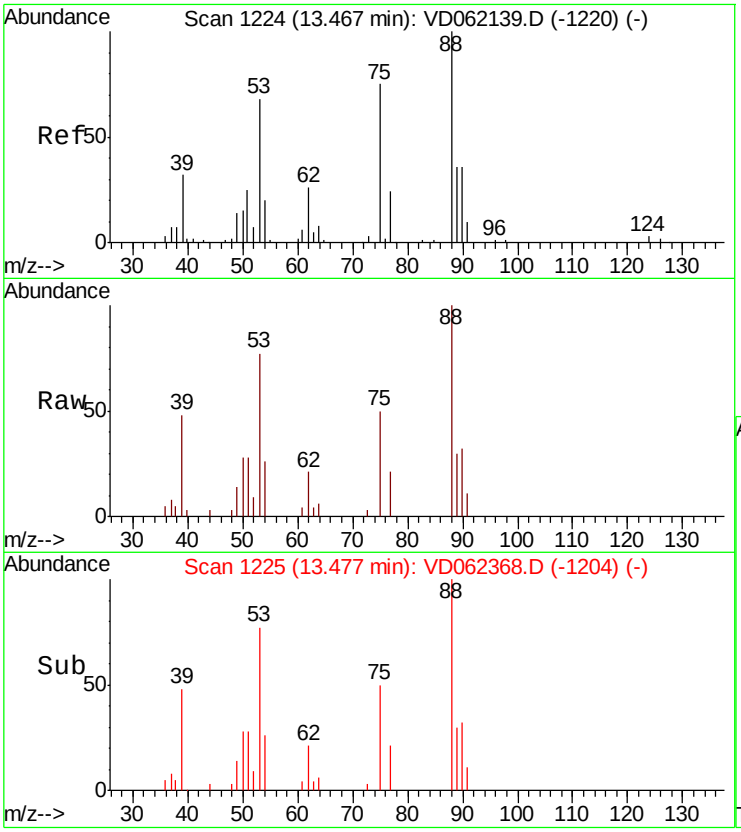




#80
1,3,5-Trimethylbenzene
Concen: 40.429 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 54641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.1 | 24.0 | 72.0 |





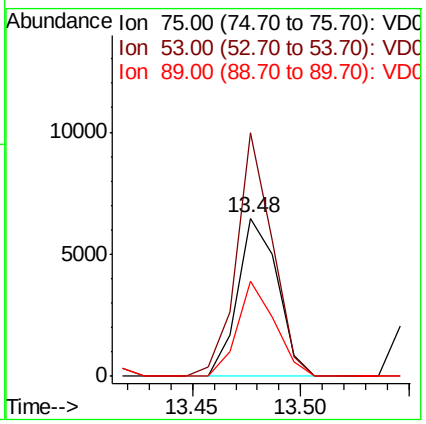

#81
trans-1,4-Dichloro-2-butene
Concen: 92.141 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

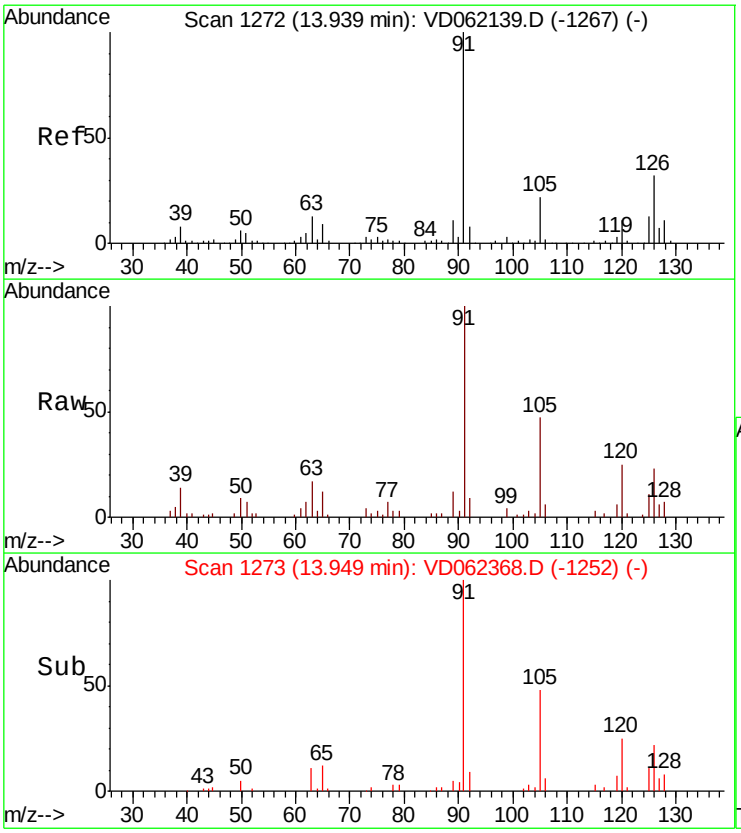
**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
5/15/2019 9:45:57 AM

Tgt Ion: 75 Resp: 8277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 153.7 | 65.8 | 98.8# |
| 89 | 60.4 | 35.0 | 52.6# |

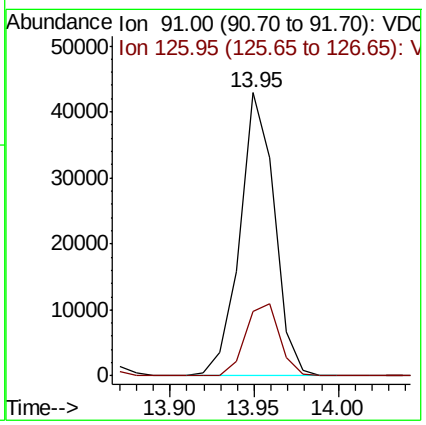


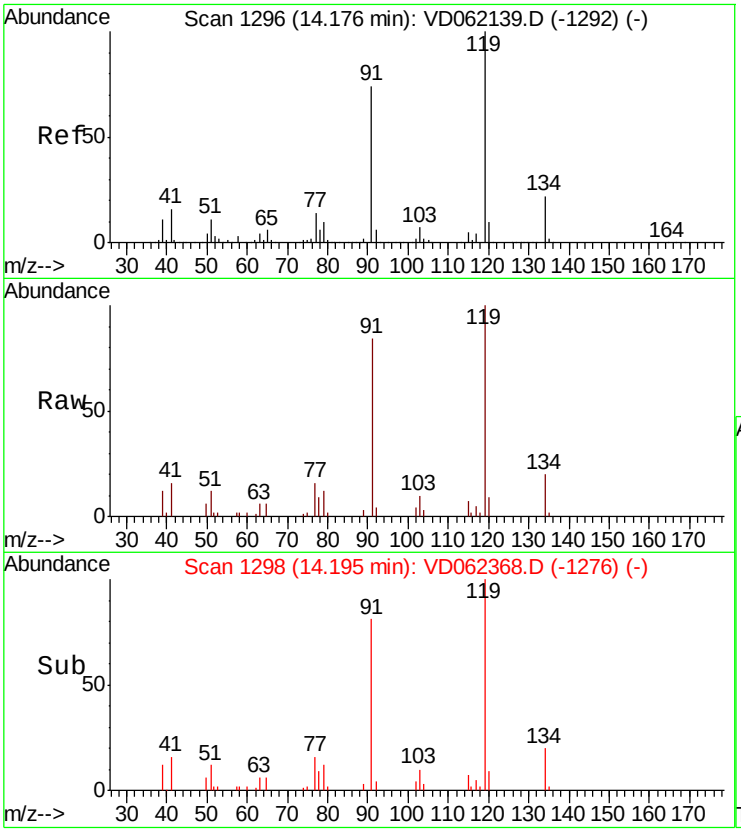




#82
4-Chlorotoluene
Concen: 47.234 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 60946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 22.8 | 19.1 | 57.5 |

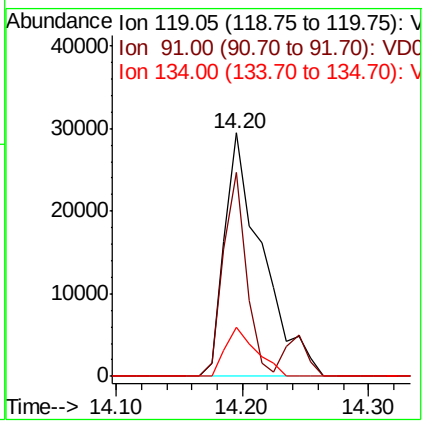





#83
tert-Butylbenzene
Concen: 40.371 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:119 Resp: 61328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 83.9 | 34.2 | 102.6 |
| 134 | 20.2 | 12.0 | 36.0 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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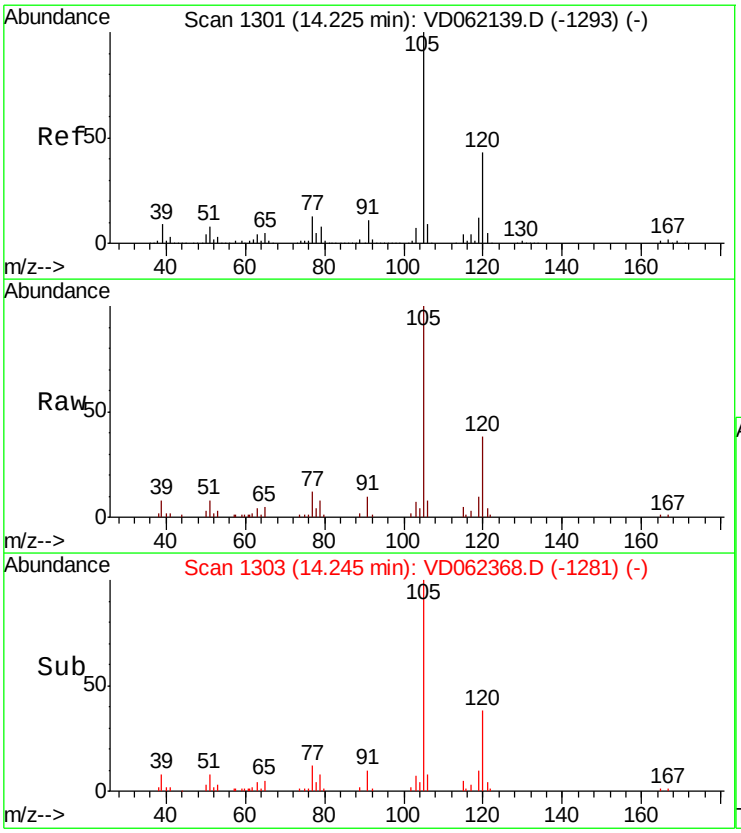
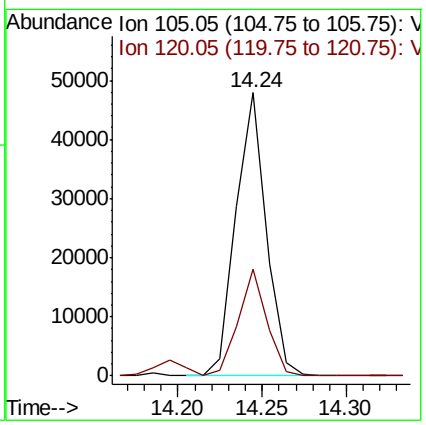
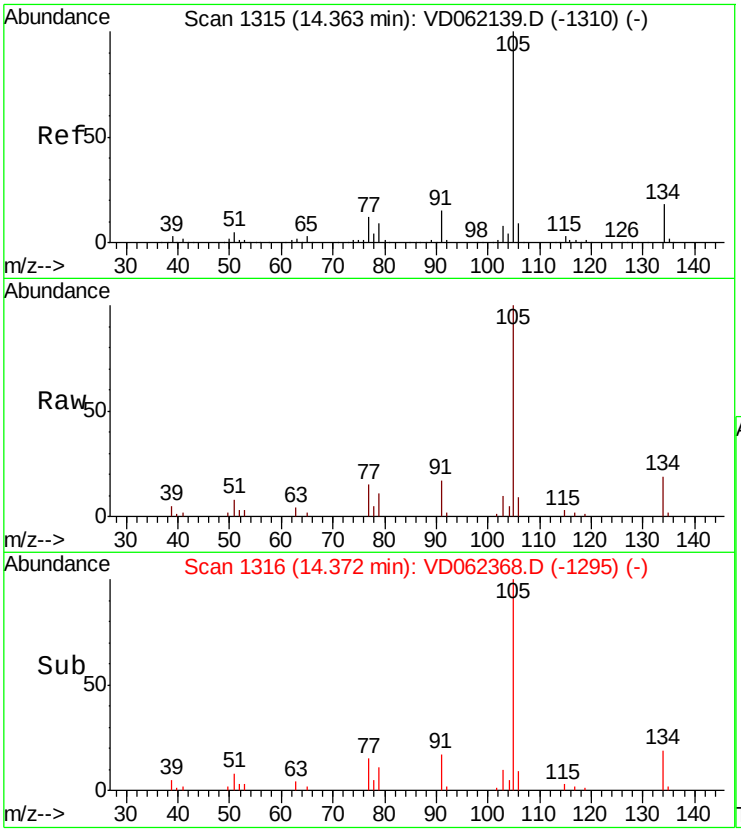



#84
1,2,4-Trimethylbenzene
Concen: 43.914 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 59558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 37.5 | 23.1 | 69.2 |

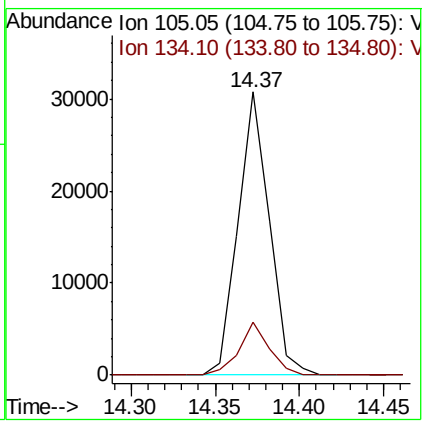





#85
sec-Butylbenzene
Concen: 23.642 ug/l
RT: 14.37 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:105 Resp: 39377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.7 | 8.9 | 26.7 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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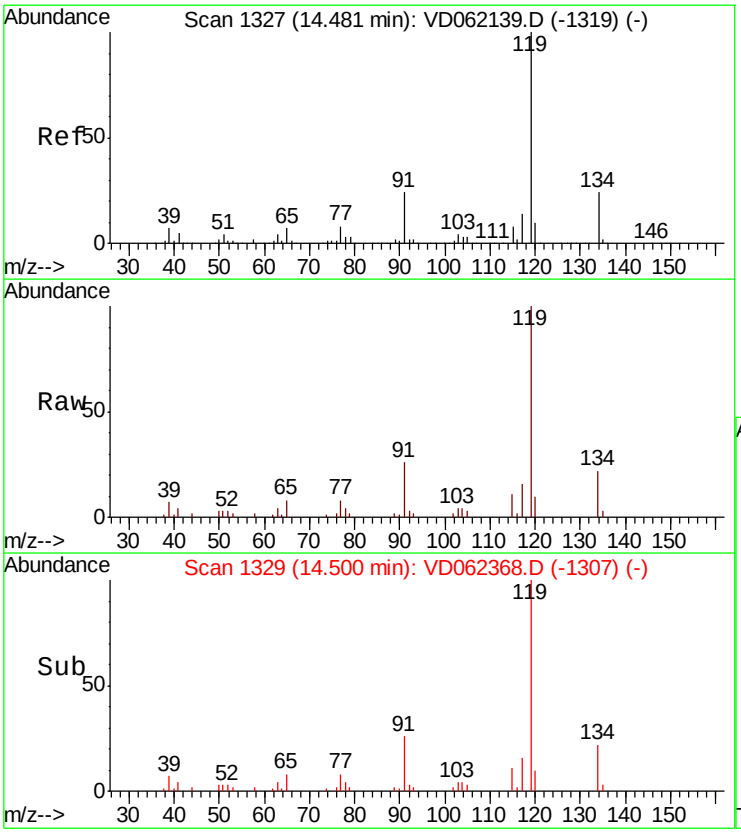
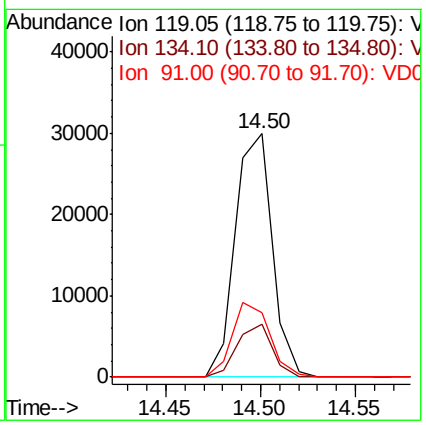
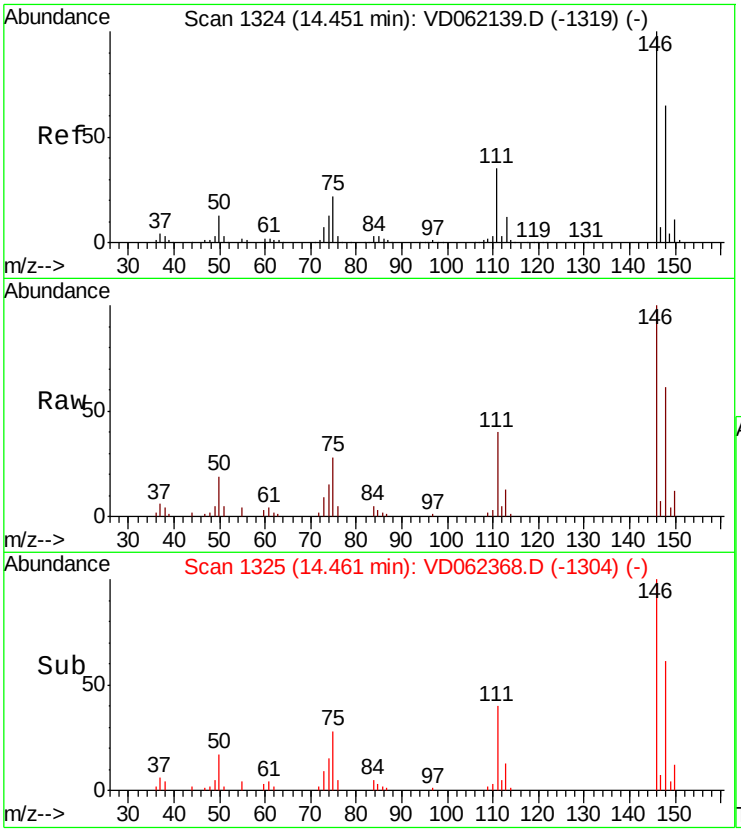



#86
p-Isopropyltoluene
Concen: 27.222 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:119 Resp: 40508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 21.9 | 12.8 | 38.3 |
| 91 | 26.3 | 10.7 | 32.1 |

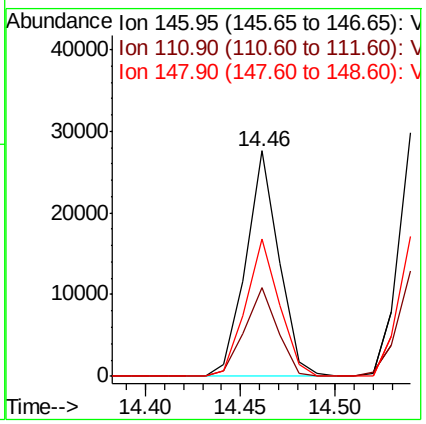





#87
1,3-Dichlorobenzene
Concen: 40.920 ug/l
RT: 14.46 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:146 Resp: 33585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 20.0 | 60.0 |
| 148 | 60.8 | 31.8 | 95.4 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

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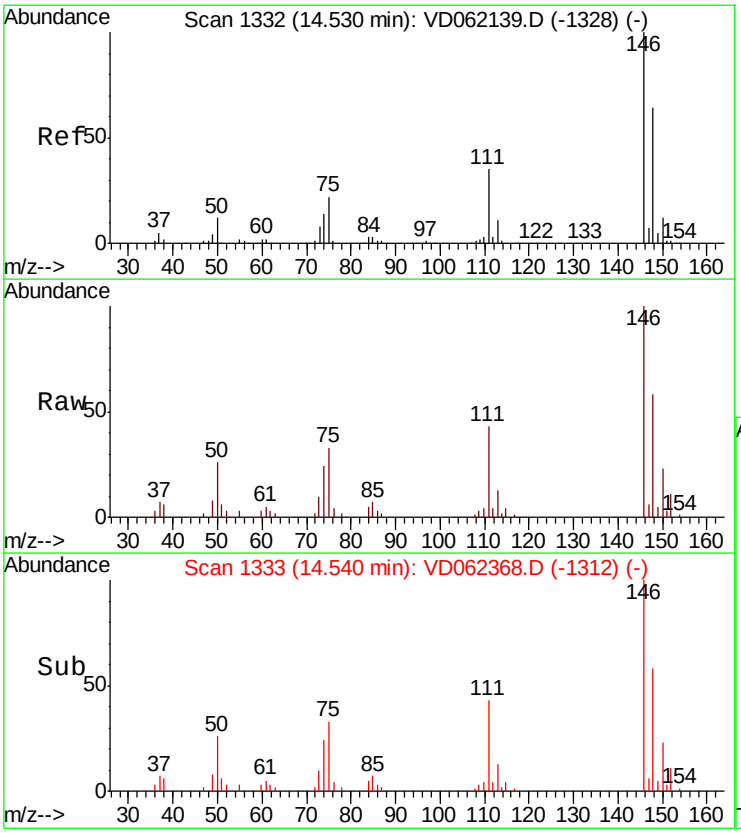
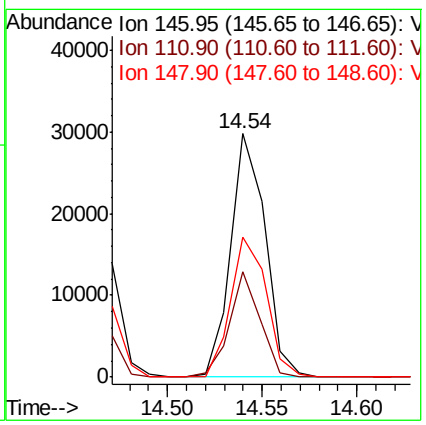
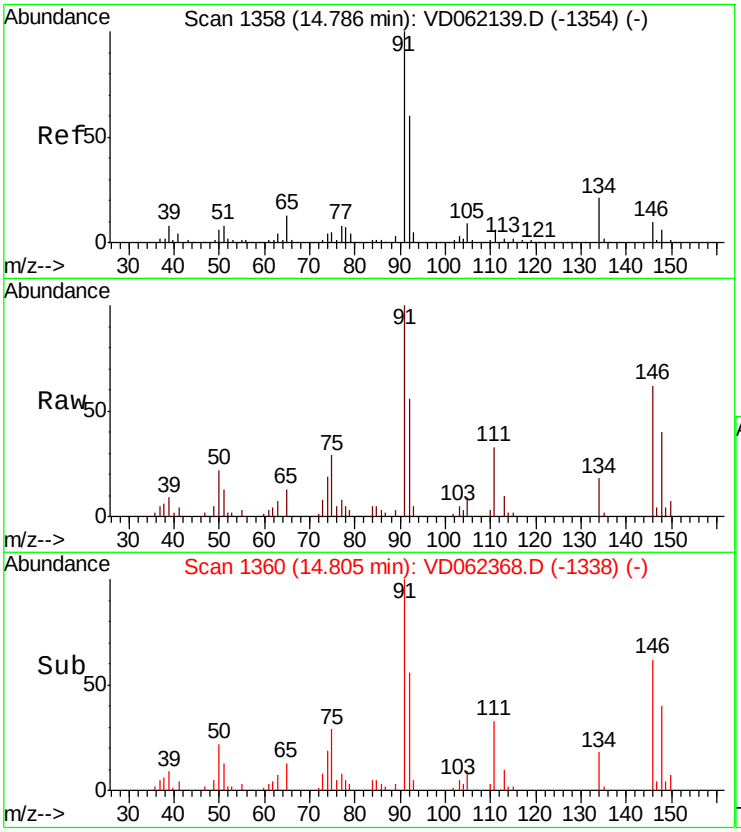



#88
1,4-Dichlorobenzene
Concen: 46.413 ug/l
RT: 14.54 min Scan# 1333
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:146 Resp: 37429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 20.2 | 60.5 |
| 148 | 57.7 | 32.0 | 96.2 |

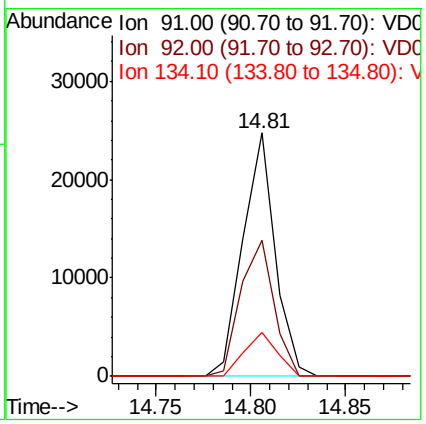





#89
n-Butylbenzene
Concen: 21.784 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 91 Resp: 29096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.8 | 30.3 | 91.0 |
| 134 | 18.1 | 14.5 | 43.6 |




**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
MMDadoda
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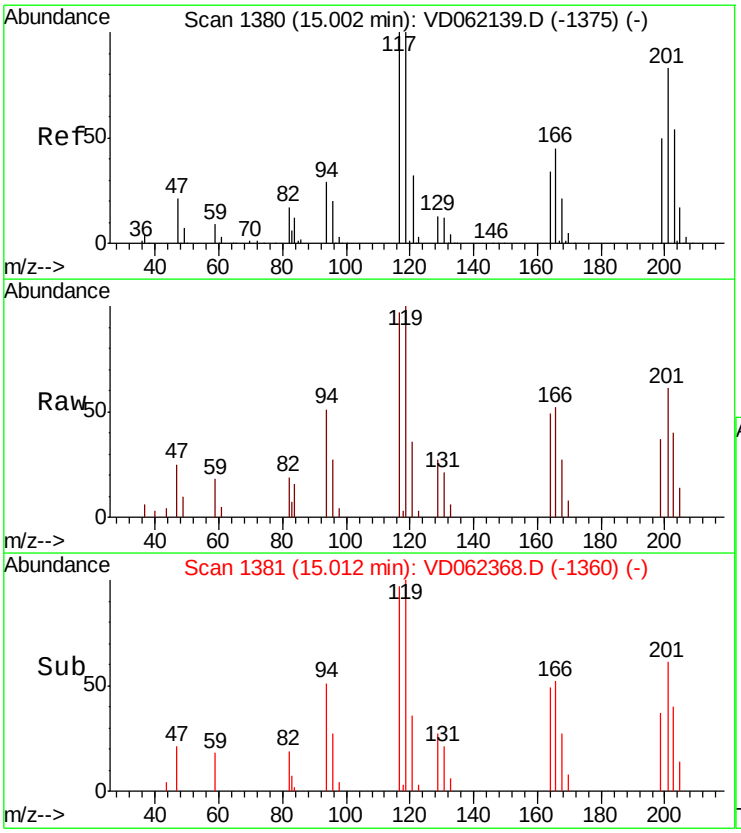
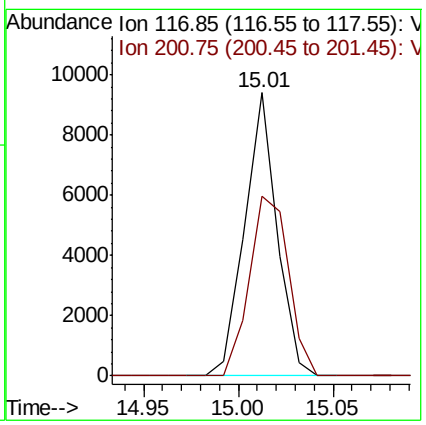
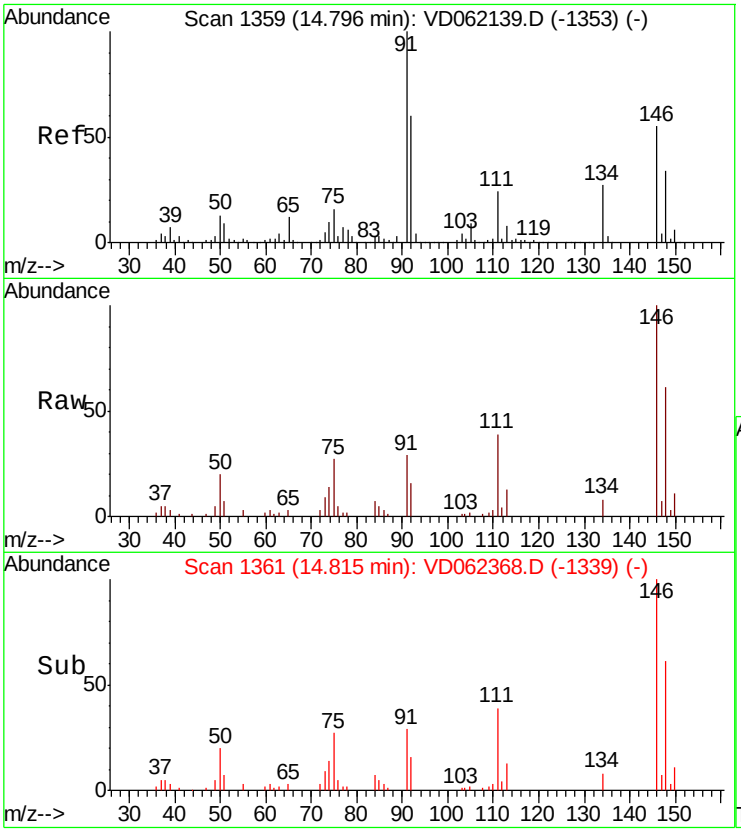



#90
Hexachloroethane
Concen: 27.471 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:117 Resp: 11117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 30.2 | 90.6 |






#91
1,2-Dichlorobenzene
Concen: 48.402 ug/l
RT: 14.82 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:146 Resp: 32717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 20.0 | 59.9 |
| 148 | 61.3 | 32.3 | 96.8 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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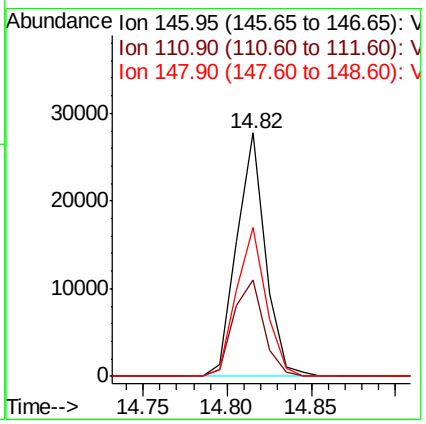
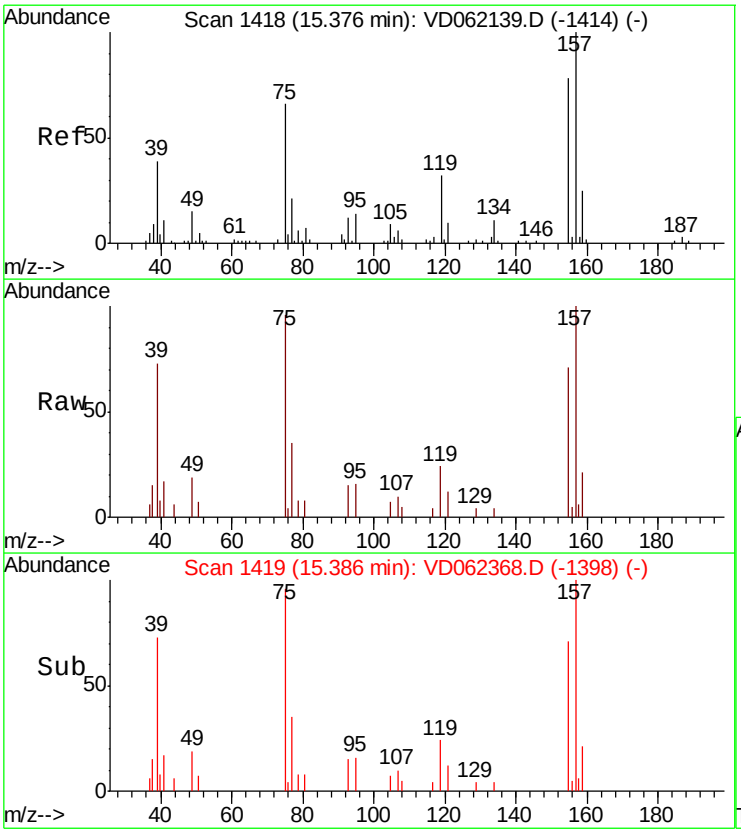
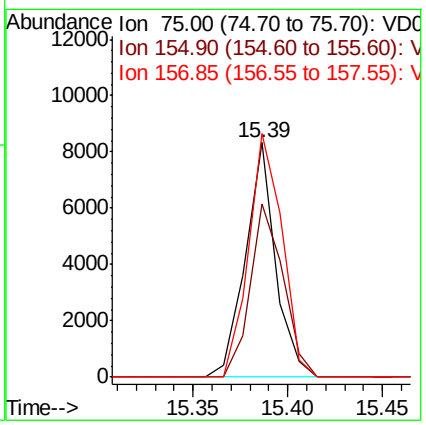


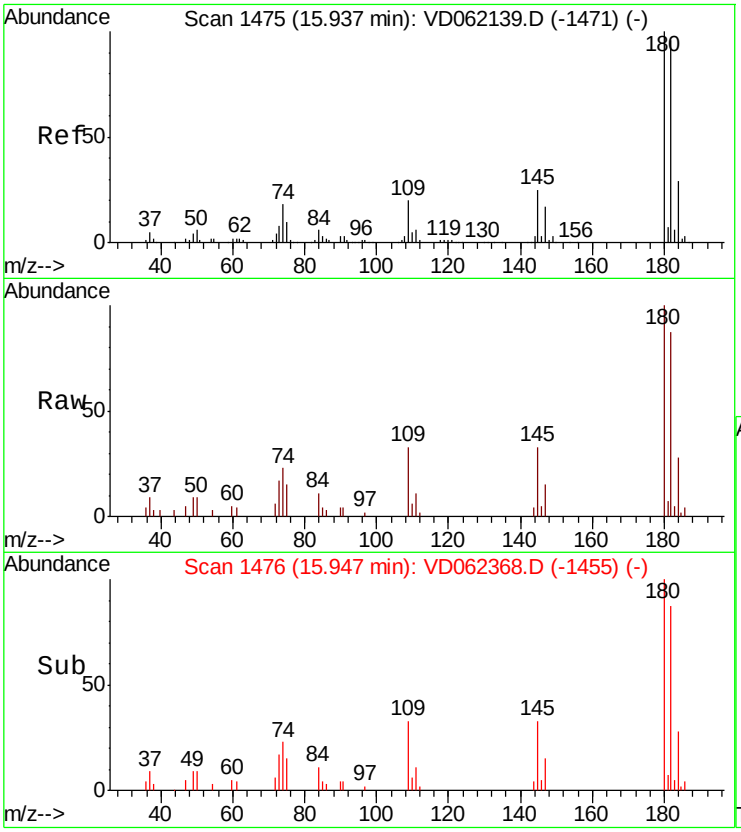




#92
1,2-Dibromo-3-Chloropropane
Concen: 183.955 ug/l
RT: 15.39 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion: 75 Resp: 9175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.2 | 55.3 | 165.8 |
| 157 | 104.0 | 67.8 | 203.2 |






#93
1,2,4-Trichlorobenzene
Concen: 30.885 ug/l
RT: 15.95 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:180 Resp: 15195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 87.3 | 49.3 | 147.8 |
| 145 | 32.8 | 16.2 | 48.6 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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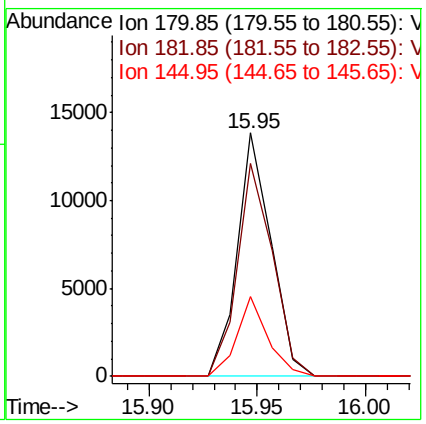
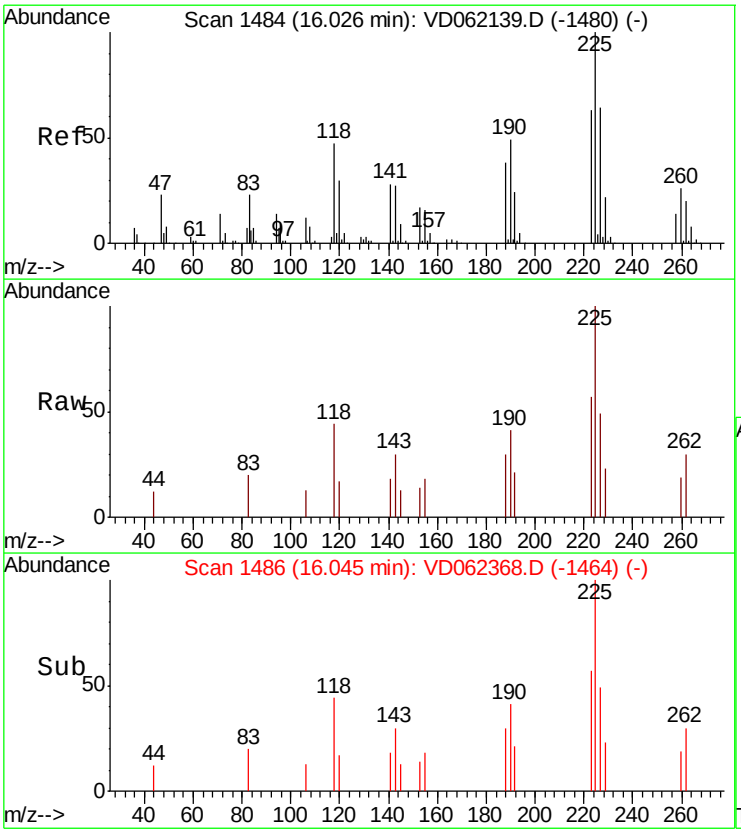
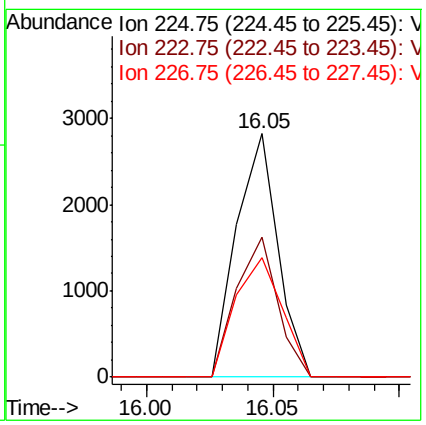


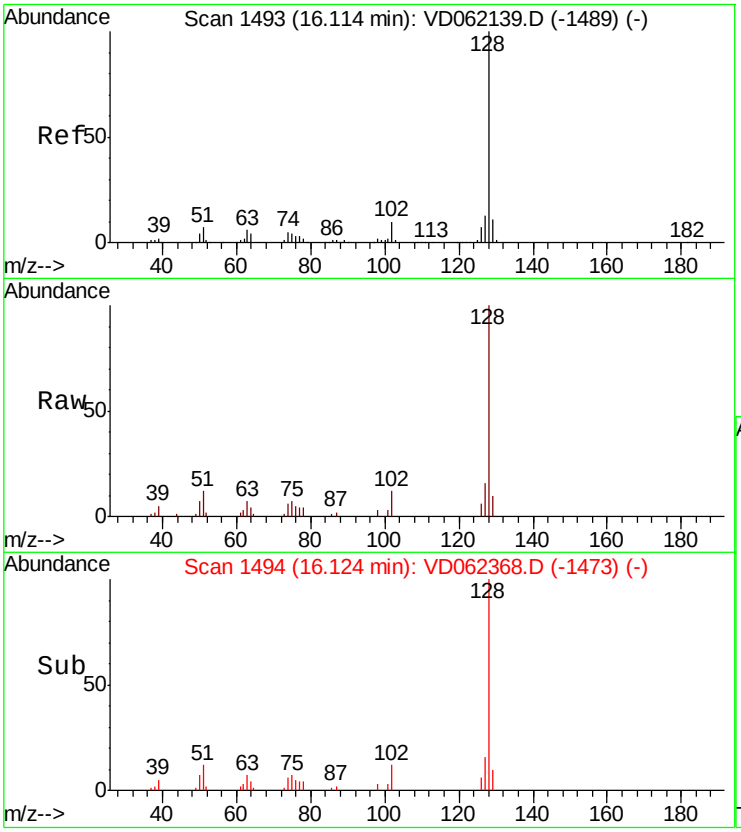




#94
Hexachlorobutadiene
Concen: 8.756 ug/l
RT: 16.05 min Scan# 1486
Delta R.T. 0.02 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:225 Resp: 3204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.2 | 30.6 | 92.0 |
| 227 | 49.0 | 32.0 | 96.2 |






#95
Naphthalene
Concen: 67.007 ug/l
RT: 16.12 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:128 Resp: 46025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 15.7 | 9.8 | 14.8# |
| 129 | 9.7 | 8.8 | 13.2 |

**Instrument :**
MSVOA_D
**ClientSampleId :**
P021-SS008-0206-01MS

**Manual Integrations APPROVED**
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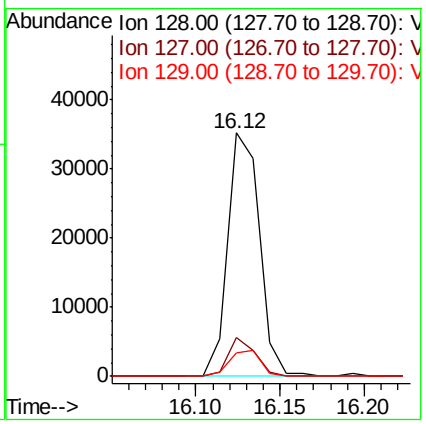
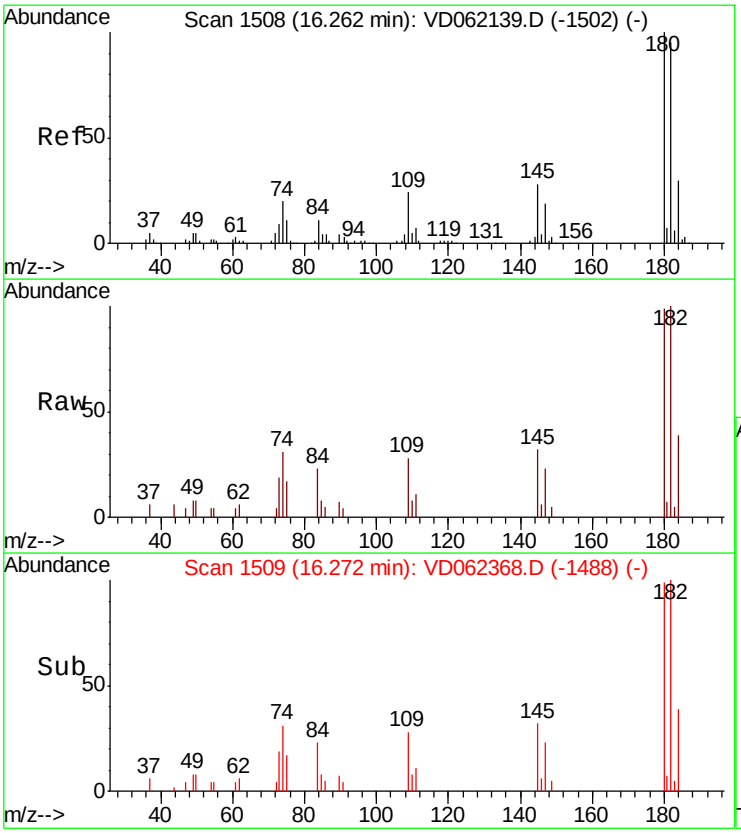
5/15/2019 9:45:57 AM




#96
1,2,3-Trichlorobenzene
Concen: 38.227 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062368.D
Acq: 15 May 2019 2:37

Tgt Ion:180 Resp: 11825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 100.7 | 47.0 | 141.0 |
| 145 | 32.4 | 17.0 | 51.0 |