

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070218\  
 Data File : VD059518.D  
 Acq On : 2 Jul 2018 23:18  
 Operator : VA/AP  
 Sample : J3762-01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 03 09:07:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070218S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 03 09:04:17 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.62  | 168  | 662336   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.66  | 114  | 948796   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.67 | 117  | 773731   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.90 | 152  | 393373   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.99   | 65  | 453951   | 52.48 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.96% |      |
| 35) Dibromofluoromethane  | 5.52   | 113 | 435110   | 54.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.04% |      |
| 50) Toluene-d8            | 8.69   | 98  | 985866   | 53.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.46% |      |
| 62) 4-Bromofluorobenzene  | 11.92  | 95  | 410365   | 51.99 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.98% |      |

## Target Compounds

|                               |      |     |        |           | Qvalue |    |
|-------------------------------|------|-----|--------|-----------|--------|----|
| 2) Dichlorodifluoromethane    | 1.32 | 85  | 17228  | 2.042     | ug/l   | 92 |
| 3) Chloromethane              | 1.46 | 50  | 10250  | 2.564     | ug/l   | 92 |
| 4) Vinyl Chloride             | 1.53 | 62  | 7605   | 1.907     | ug/l # | 86 |
| 5) Bromomethane               | 1.78 | 94  | 4492   | 2.976     | ug/l # | 77 |
| 6) Chloroethane               | 1.87 | 64  | 4698   | 2.618     | ug/l # | 70 |
| 7) Trichlorofluoromethane     | 2.06 | 101 | 15933  | 2.416     | ug/l # | 81 |
| 8) Diethyl Ether              | 2.31 | 74  | 2430   | 1.924     | ug/l   | 79 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.53 | 101 | 8149   | 2.031     | ug/l # | 85 |
| 10) Methyl Iodide             | 2.66 | 142 | 7086   | 1.771     | ug/l # | 95 |
| 11) Tert butyl alcohol        | 3.22 | 59  | 4373   | 15.268    | ug/l # | 72 |
| 12) 1,1-Dichloroethene        | 2.53 | 96  | 6418   | 2.093     | ug/l # | 51 |
| 13) Acrolein                  | 2.45 | 56  | 650    | 3.983     | ug/l   | 99 |
| 14) Allyl chloride            | 2.89 | 41  | 15582  | 2.302     | ug/l # | 78 |
| 15) Acrylonitrile             | 3.33 | 53  | 9452   | 11.939    | ug/l   | 94 |
| 16) Acetone                   | 2.58 | 43  | 16862  | 14.507    | ug/l # | 88 |
| 17) Carbon Disulfide          | 2.72 | 76  | 17084  | 4.610     | ug/l   | 97 |
| 18) Methyl Acetate            | 2.91 | 43  | 9012   | 1.160     | ug/l # | 87 |
| 19) Methyl tert-butyl Ether   | 3.38 | 73  | 14994  | 1.892     | ug/l   | 99 |
| 20) Methylene Chloride        | 3.04 | 84  | 23816  | 5.289     | ug/l   | 99 |
| 21) trans-1,2-Dichloroethene  | 3.35 | 96  | 6616   | 1.954     | ug/l # | 77 |
| 22) Diisopropyl ether         | 4.04 | 45  | 46916  | 1.901     | ug/l # | 90 |
| 23) Vinyl Acetate             | 3.98 | 43  | 116448 | 8.551     | ug/l # | 95 |
| 24) 1,1-Dichloroethane        | 3.93 | 63  | 29138  | 2.085     | ug/l   | 97 |
| 25) 2-Butanone                | 4.82 | 43  | 30646  | 12.676    | ug/l   | 96 |
| 26) 2,2-Dichloropropane       | 4.77 | 77  | 28041  | 2.455     | ug/l   | 97 |
| 27) cis-1,2-Dichloroethene    | 4.78 | 96  | 15225  | 2.077     | ug/l   | 76 |
| 28) Bromochloromethane        | 5.11 | 49  | 9836   | 1.835     | ug/l   | 94 |
| 29) Tetrahydrofuran           | 5.16 | 42  | 13078  | 10.622    | ug/l   | 97 |
| 30) Chloroform                | 5.29 | 83  | 30647  | 2.079     | ug/l   | 89 |
| 31) Cyclohexane               | 5.55 | 56  | 19726  | Below Cal | #      | 77 |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 23509  | 2.013     | ug/l   | 87 |
| 36) 1,1-Dichloropropene       | 5.71 | 75  | 24479  | 2.403     | ug/l   | 90 |
| 37) Ethyl Acetate             | 4.89 | 43  | 16031  | 2.829     | ug/l # | 80 |
| 38) Carbon Tetrachloride      | 5.69 | 117 | 22212  | 2.218     | ug/l # | 78 |

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 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 03 09:07:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070218S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 03 09:04:17 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| -----                          |       |      |          |         |        |          |
| 39) Methylcyclohexane          | 7.26  | 83   | 19672    | 2.120   | ug/l # | 88       |
| 40) Benzene                    | 5.98  | 78   | 46680    | 1.991   | ug/l   | 92       |
| 41) Methacrylonitrile          | 5.10  | 41   | 6830     | 2.376   | ug/l # | 90       |
| 42) 1,2-Dichloroethane         | 6.10  | 62   | 23737    | 2.263   | ug/l   | 95       |
| 43) Isopropyl Acetate          | 7.60  | 43   | 16025    | 2.137   | ug/l # | 94       |
| 44) Trichloroethene            | 6.96  | 130  | 15160    | 2.130   | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 7.32  | 63   | 13781    | 2.102   | ug/l   | 95       |
| 46) Dibromomethane             | 7.44  | 93   | 9305     | 2.098   | ug/l # | 77       |
| 47) Bromodichloromethane       | 7.72  | 83   | 17957    | 1.739   | ug/l # | 87       |
| 48) Methyl methacrylate        | 7.48  | 41   | 9989     | 2.136   | ug/l # | 86       |
| 49) 1,4-Dioxane                | 7.48  | 88   | 838      | 19.229  | ug/l # | 45       |
| 51) 4-Methyl-2-Pentanone       | 8.57  | 43   | 55384    | 11.309  | ug/l   | 98       |
| 52) Toluene                    | 8.78  | 92   | 31106    | 2.403   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 9.16  | 75   | 16847    | 1.873   | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene    | 8.33  | 75   | 18327    | 1.757   | ug/l # | 94       |
| 55) 1,1,2-Trichloroethane      | 9.44  | 97   | 11664    | 2.457   | ug/l # | 83       |
| 56) Ethyl methacrylate         | 9.29  | 69   | 10652    | 1.791   | ug/l   | 89       |
| 57) 1,3-Dichloropropane        | 9.64  | 76   | 18632    | 2.179   | ug/l # | 78       |
| 58) 2-Chloroethyl Vinyl ether  | 8.17  | 63   | 31574    | 10.976  | ug/l   | 98       |
| 59) 2-Hexanone                 | 9.77  | 43   | 40145    | 11.145  | ug/l   | 94       |
| 60) Dibromochloromethane       | 9.94  | 129  | 12678    | 1.914   | ug/l   | 81       |
| 61) 1,2-Dibromoethane          | 10.07 | 107  | 9506     | 1.809   | ug/l   | 97       |
| 64) Tetrachloroethene          | 9.49  | 164  | 15959    | 2.398   | ug/l   | 87       |
| 65) Chlorobenzene              | 10.71 | 112  | 33957    | 2.278   | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.83 | 131  | 12448    | 2.051   | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.84 | 91   | 61873    | 2.341   | ug/l   | 94       |
| 68) m/p-Xylenes                | 10.99 | 106  | 37243    | 4.271   | ug/l   | 92       |
| 69) o-Xylene                   | 11.39 | 106  | 19579    | 2.330   | ug/l   | 93       |
| 70) Styrene                    | 11.42 | 104  | 30929    | 2.196   | ug/l   | 96       |
| 71) Bromoform                  | 11.59 | 173  | 6695     | 1.461   | ug/l   | 100      |
| 73) Isopropylbenzene           | 11.76 | 105  | 59419    | 2.528   | ug/l   | 98       |
| 74) N-amyl acetate             | 11.63 | 43   | 20578    | 2.074   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.07 | 83   | 12017    | 1.973   | ug/l   | 92       |
| 76) 1,2,3-Trichloropropane     | 12.10 | 75   | 13380    | 2.108   | ug/l   | 99       |
| 77) Bromobenzene               | 12.03 | 156  | 16161    | 2.190   | ug/l   | 87       |
| 78) n-propylbenzene            | 12.14 | 91   | 70271    | 2.232   | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 12.20 | 91   | 42490    | 2.294   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.31 | 105  | 44893    | 2.350   | ug/l   | 79       |
| 81) trans-1,4-Dichloro-2-buten | 11.92 | 75   | 218588   | 125.918 | ug/l # | 4        |
| 82) 4-Chlorotoluene            | 12.31 | 91   | 48994    | 2.334   | ug/l   | 87       |
| 83) tert-Butylbenzene          | 12.57 | 119  | 46320    | 2.131   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 12.62 | 105  | 46259    | 2.254   | ug/l   | 90       |
| 85) sec-Butylbenzene           | 12.74 | 105  | 58606    | 2.350   | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 12.87 | 119  | 49098    | 2.346   | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene        | 12.83 | 146  | 29297    | 2.319   | ug/l   | 87       |
| 88) 1,4-Dichlorobenzene        | 12.91 | 146  | 32159    | 2.593   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.19 | 91   | 52279    | 2.450   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.39 | 117  | 9697     | 1.789   | ug/l # | 55       |
| 91) 1,2-Dichlorobenzene        | 13.18 | 146  | 26041    | 2.451   | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.76 | 75   | 2294     | 2.185   | ug/l # | 59       |

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Sample : J3762-01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 16 Sample Multiplier: 1

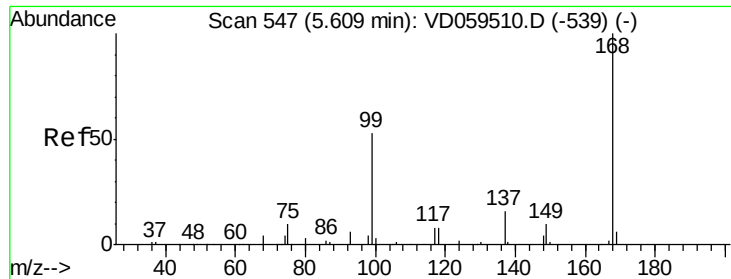
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 03 09:07:49 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D070218S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 03 09:04:17 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.33 | 180  | 22096    | 2.346 | ug/l  | 91       |
| 94) Hexachlorobutadiene    | 14.43 | 225  | 15636    | 2.170 | ug/l  | 89       |
| 95) Naphthalene            | 14.51 | 128  | 33248    | 2.373 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180  | 20061    | 2.422 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

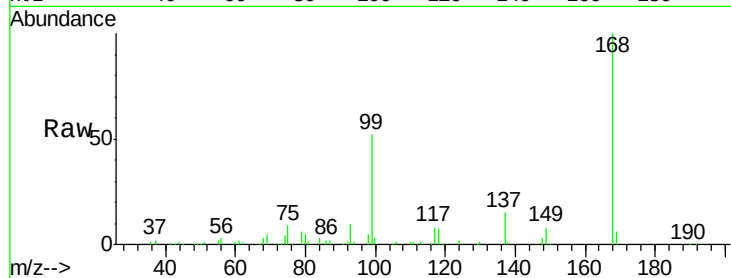
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:168 Resp: 662336

Ion Ratio Lower Upper

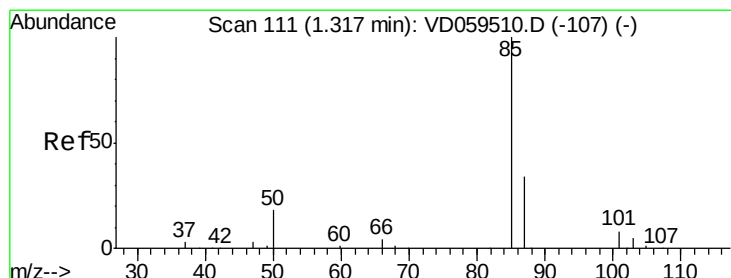
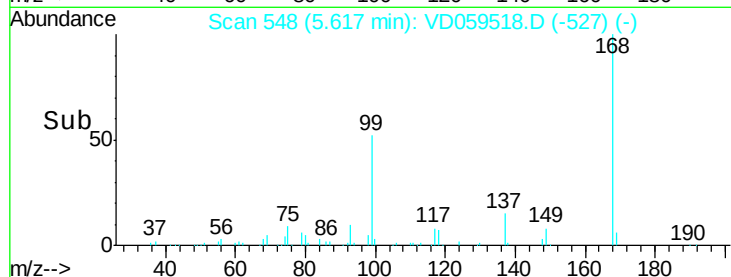
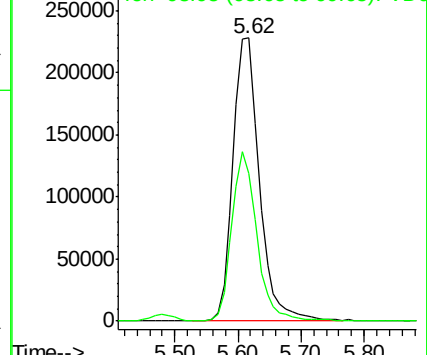
168 100

99 52.3 45.1 67.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 2.042 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059518.D

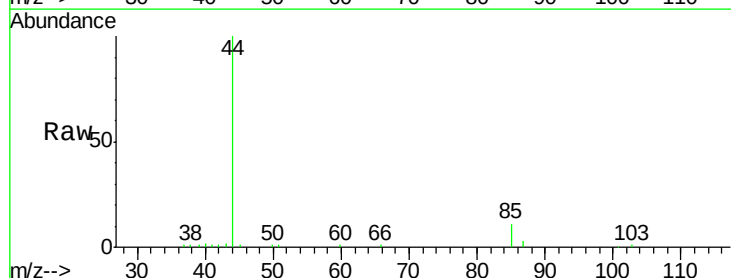
Acq: 2 Jul 2018 23:18

Tgt Ion: 85 Resp: 17228

Ion Ratio Lower Upper

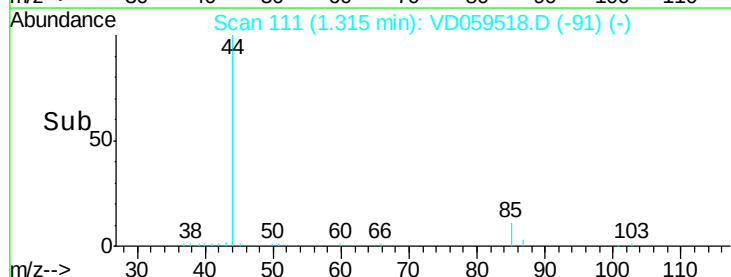
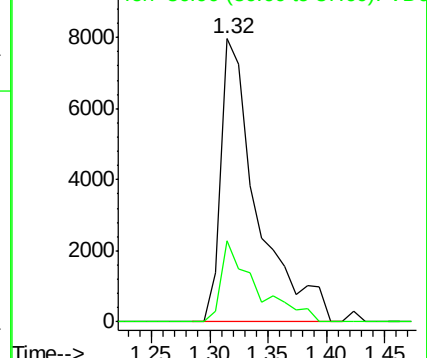
85 100

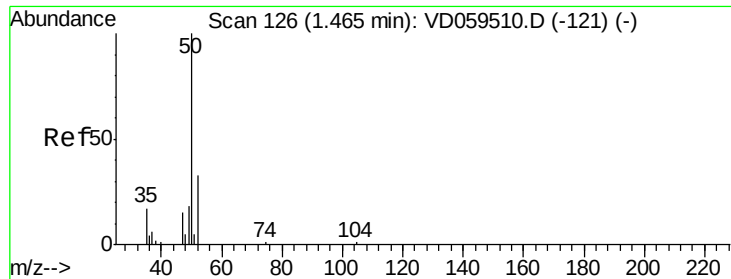
87 28.8 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 2.564 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

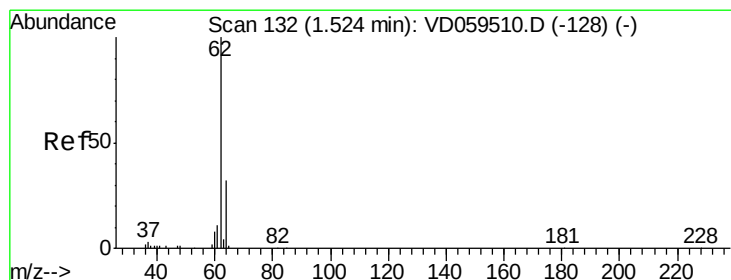
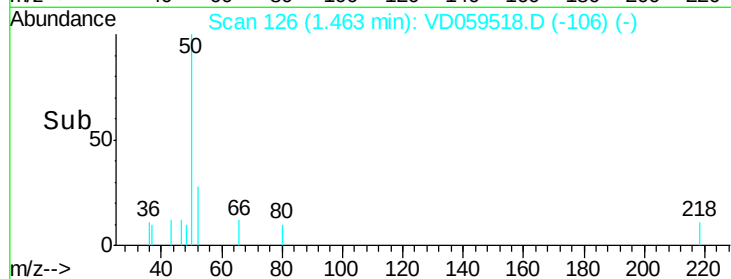
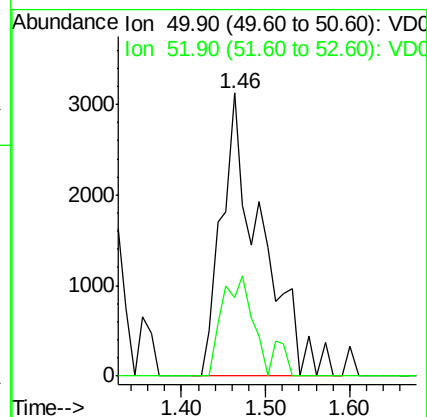
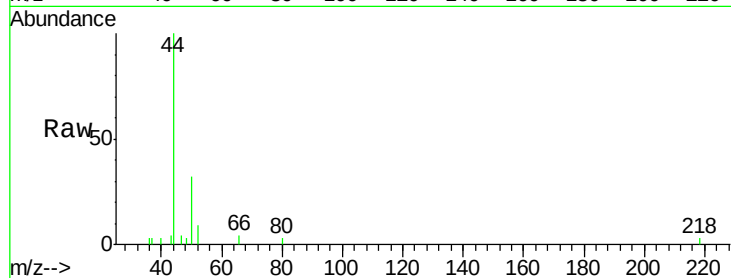
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 50 Resp: 10250

Ion Ratio Lower Upper

50 100

52 27.8 25.8 38.6



#4

Vinyl Chloride

Concen: 1.907 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.01 min

Lab File: VD059518.D

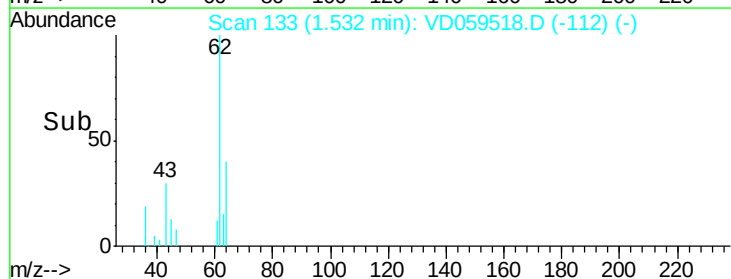
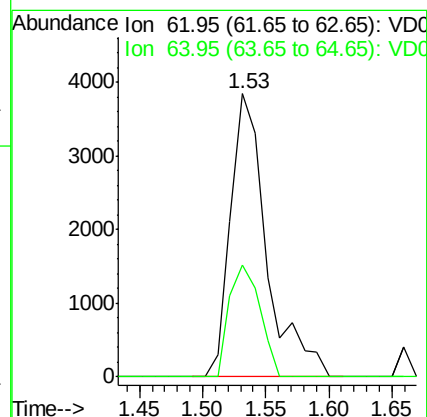
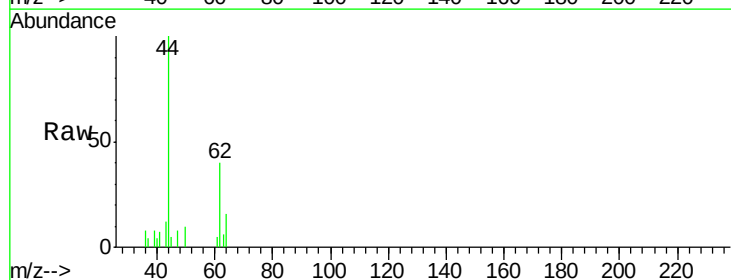
Acq: 2 Jul 2018 23:18

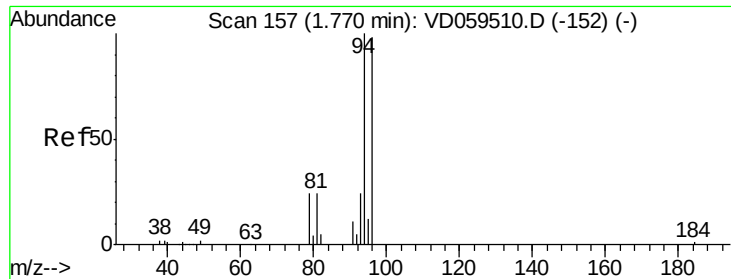
Tgt Ion: 62 Resp: 7605

Ion Ratio Lower Upper

62 100

64 39.6 25.4 38.2#





#5

Bromomethane

Concen: 2.976 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

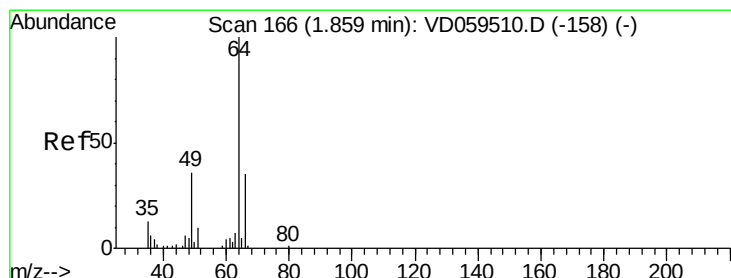
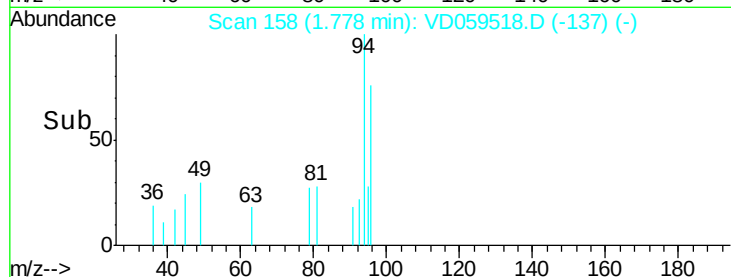
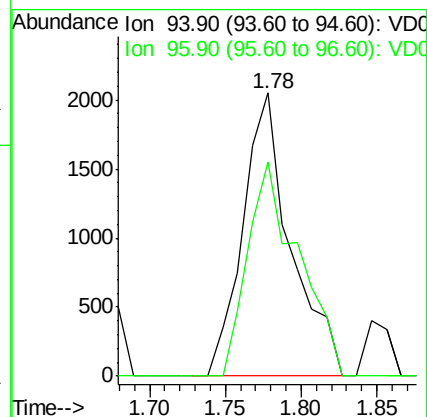
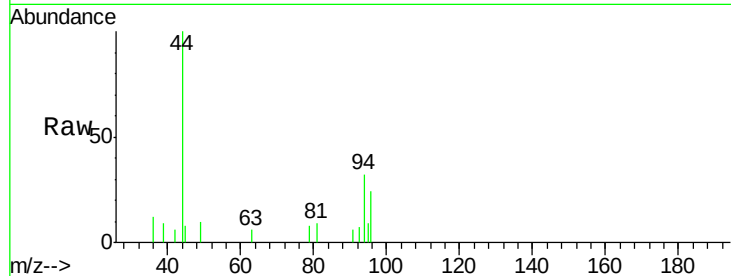
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 94 Resp: 4492

Ion Ratio Lower Upper

94 100

96 75.5 78.2 117.4#



#6

Chloroethane

Concen: 2.618 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.01 min

Lab File: VD059518.D

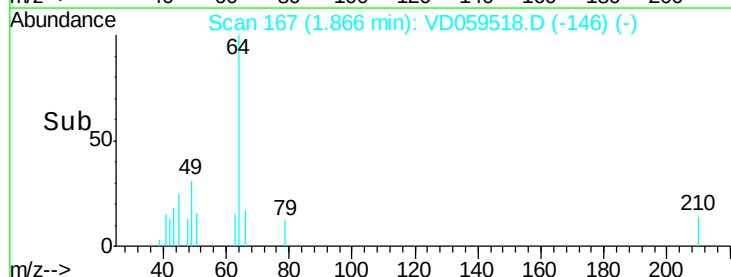
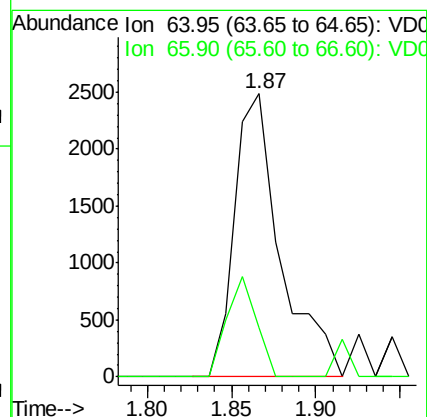
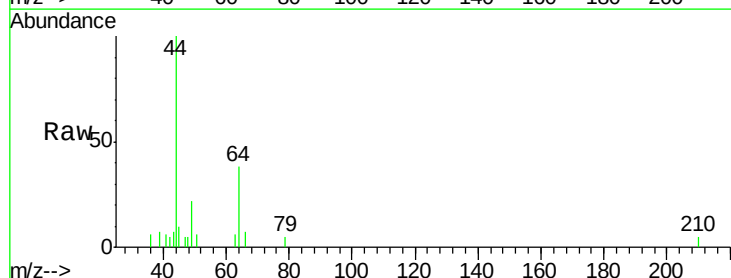
Acq: 2 Jul 2018 23:18

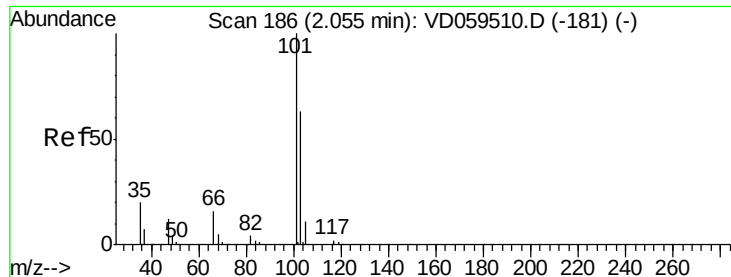
Tgt Ion: 64 Resp: 4698

Ion Ratio Lower Upper

64 100

66 17.2 27.6 41.4#



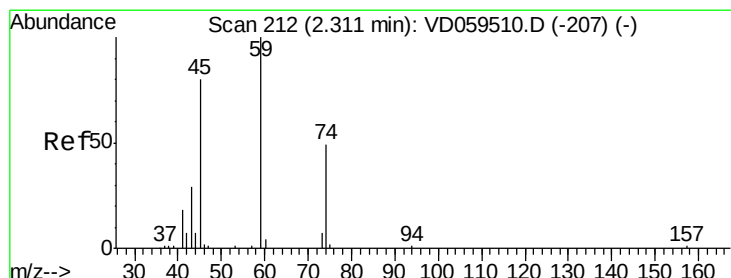
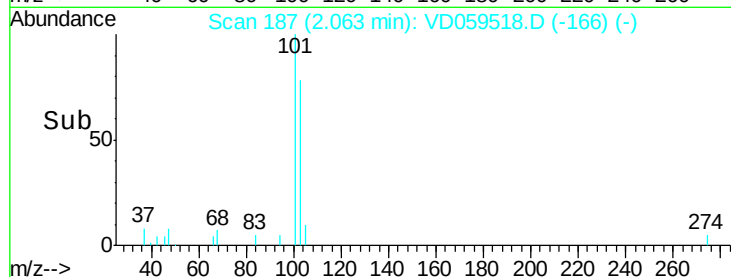
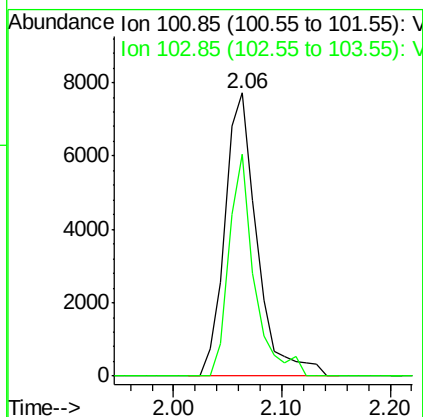
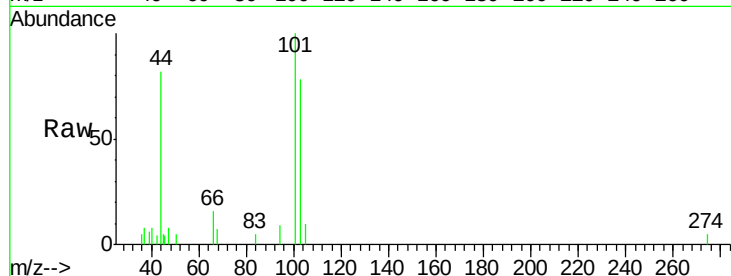


#7

Trichlorofluoromethane  
Concen: 2.416 ug/l  
RT: 2.06 min Scan# 187  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
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Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

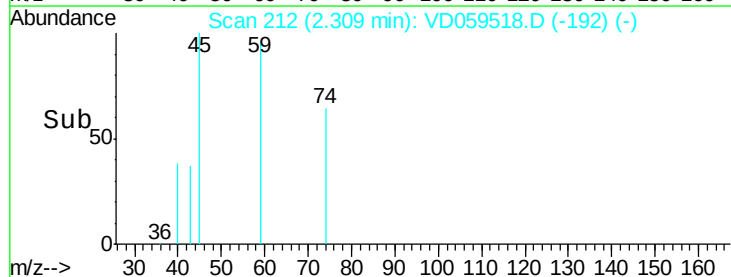
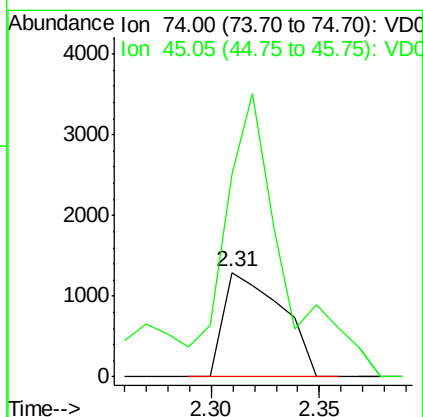
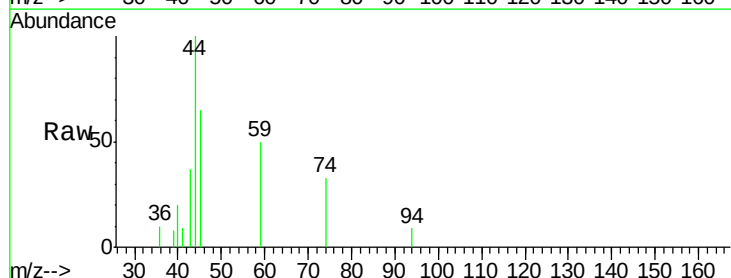
Tot Ion:101 Resp: 15933  
Ion Ratio Lower Upper  
101 100  
103 78.3 50.6 76.0#



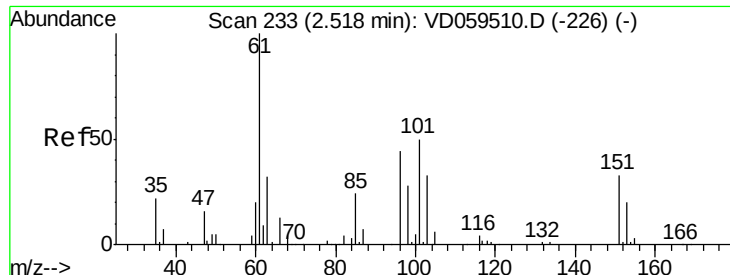
#8

Diethyl Ether  
Concen: 1.924 ug/l  
RT: 2.31 min Scan# 212  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 74 Resp: 2430  
Ion Ratio Lower Upper  
74 100  
45 195.1 83.5 250.3







#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.031 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

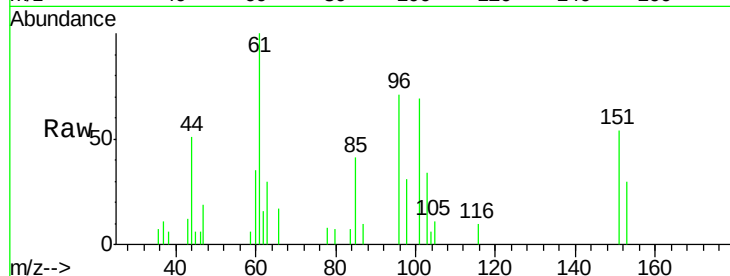
Tot Ion:101 Resp: 8149

Ion Ratio Lower Upper

101 100

85 58.7 38.8 58.2#

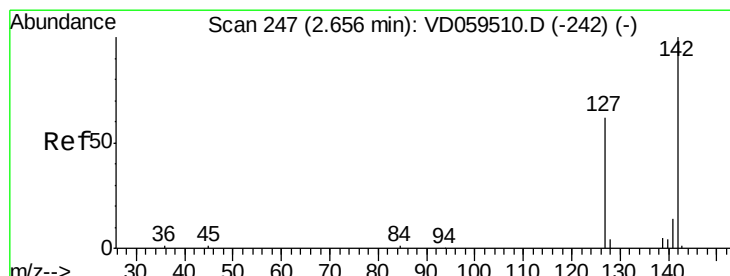
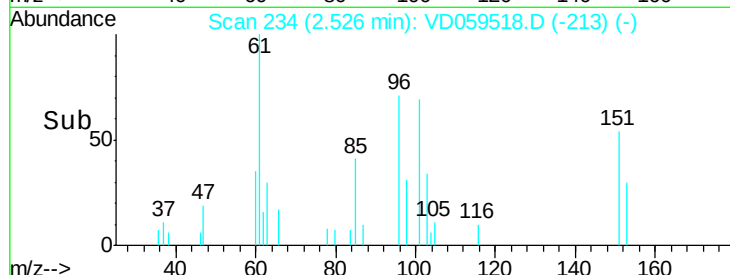
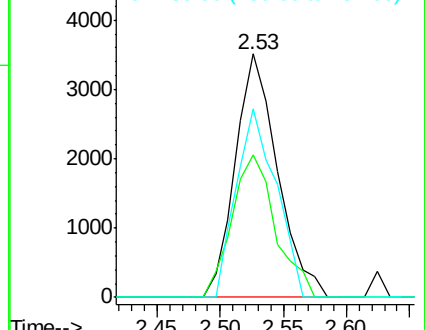
151 77.5 52.6 79.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 1.771 ug/l

RT: 2.66 min Scan# 248

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

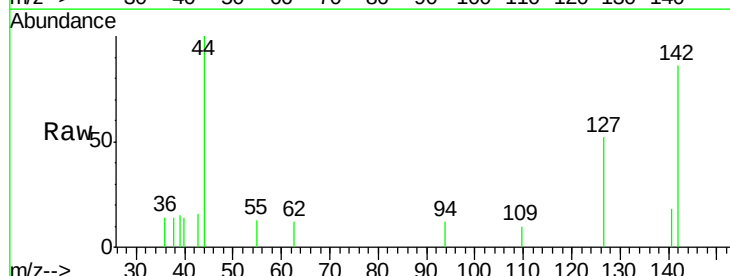
Tgt Ion:142 Resp: 7086

Ion Ratio Lower Upper

142 100

127 60.4 49.8 74.8

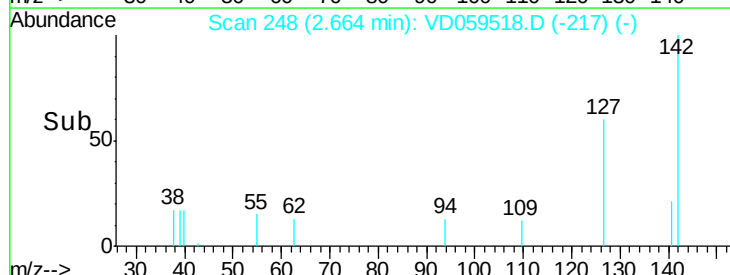
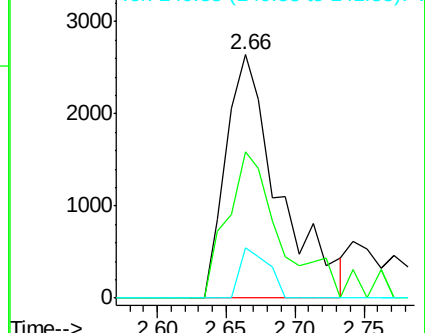
141 20.9 11.1 16.7#

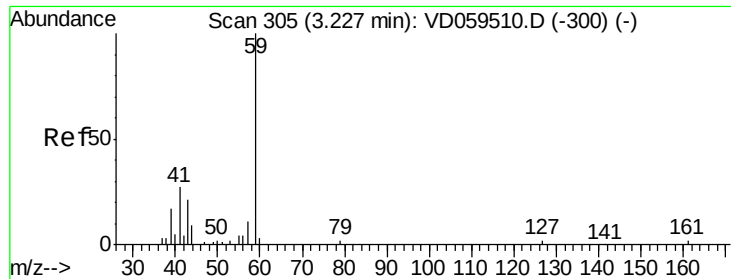


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



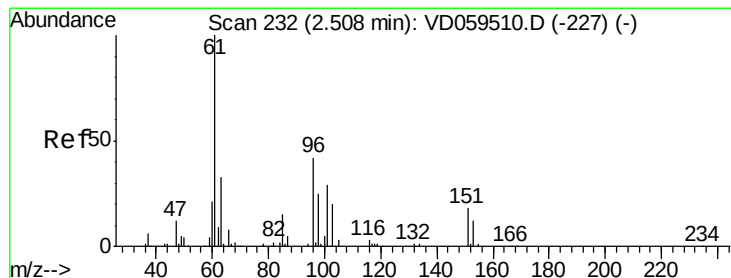
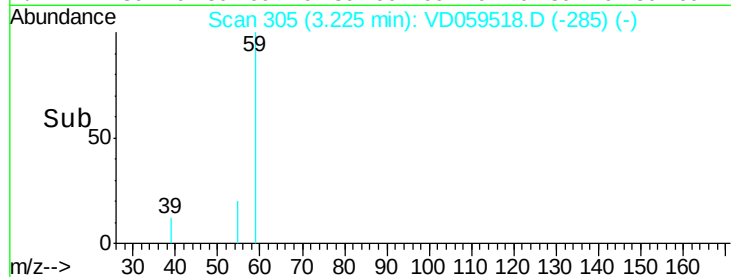
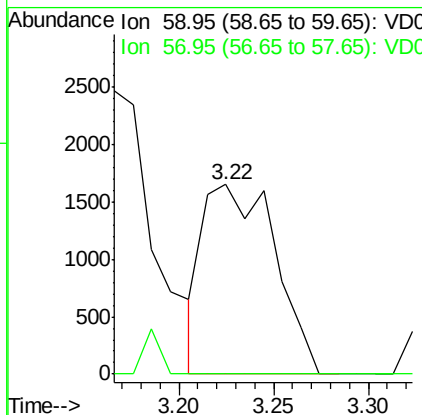
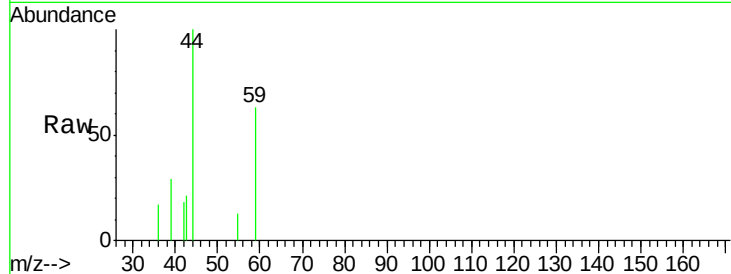


#11

Tert butyl alcohol  
 Concen: 15.268 ug/l  
 RT: 3.22 min Scan# 305  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

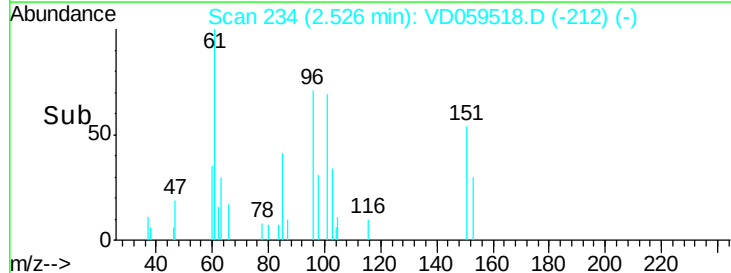
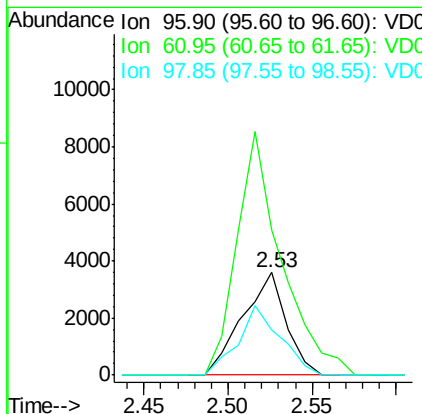
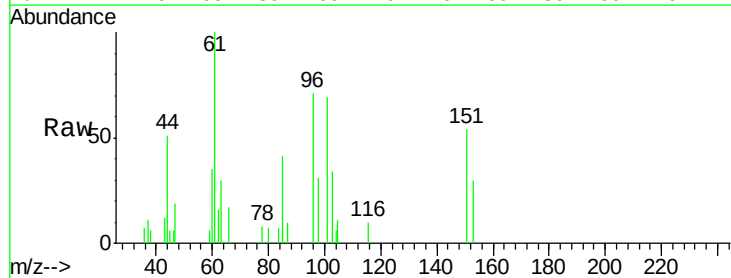
Tot Ion: 59 Resp: 4373  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.6 12.8#

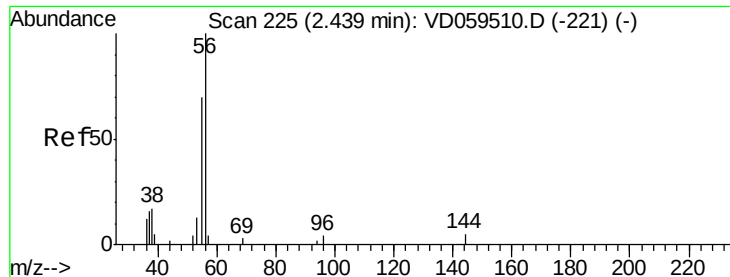


#12

1,1-Dichloroethene  
 Concen: 2.093 ug/l  
 RT: 2.53 min Scan# 234  
 Delta R.T. 0.02 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 96 Resp: 6418  
 Ion Ratio Lower Upper  
 96 100  
 61 141.7 189.4 284.0#  
 98 43.7 47.9 71.9#





#13

Acrolein

Concen: 3.983 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

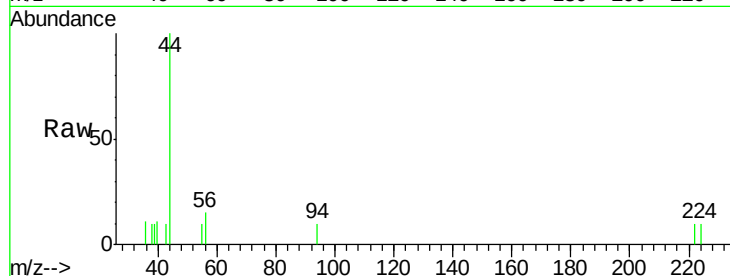
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 56 Resp: 650

Ion Ratio Lower Upper

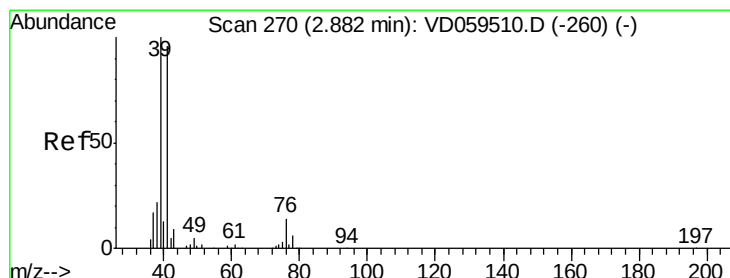
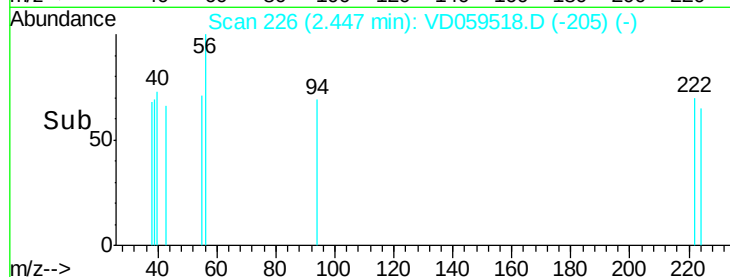
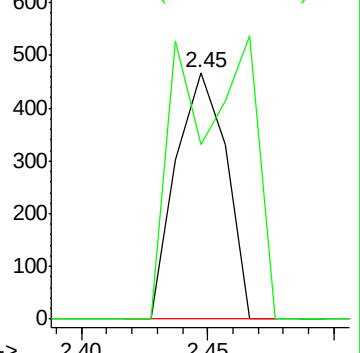
56 100

55 70.7 56.0 84.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 2.302 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

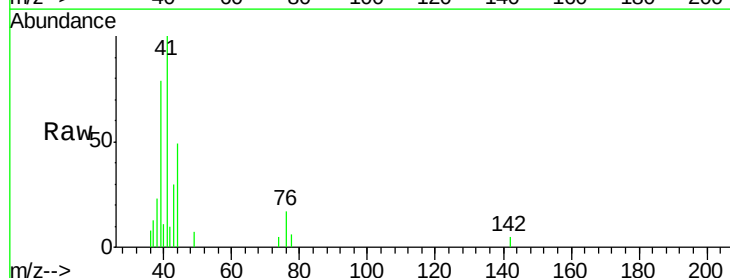
Tgt Ion: 41 Resp: 15582

Ion Ratio Lower Upper

41 100

39 79.5 83.8 125.8#

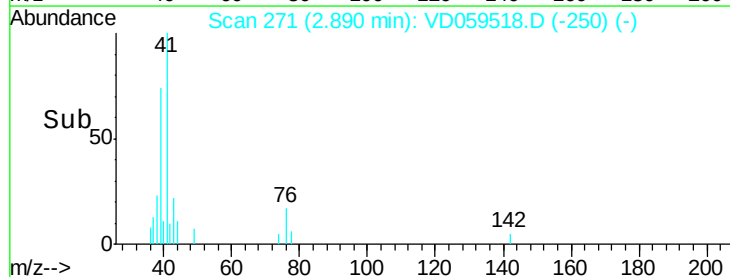
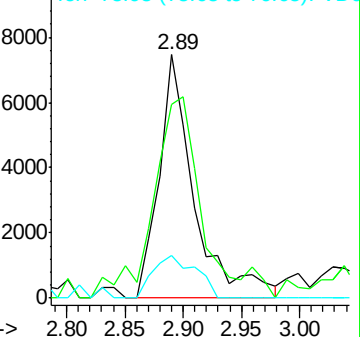
76 17.4 18.4 27.6#

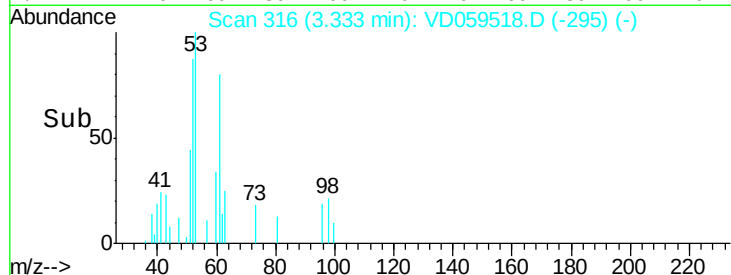
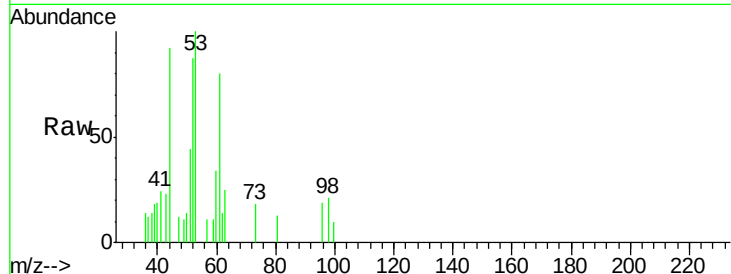
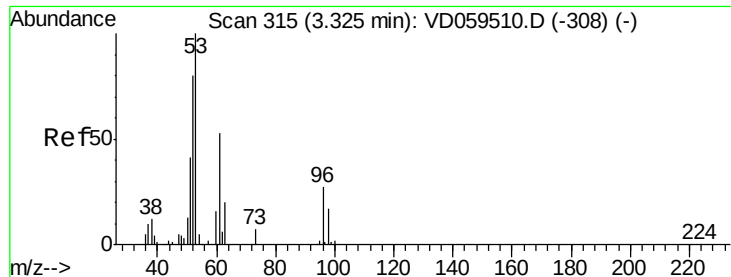


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 11.939 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

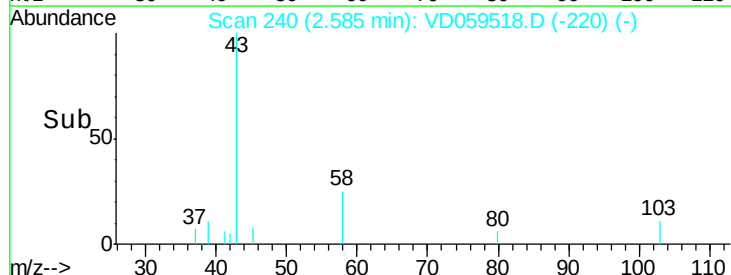
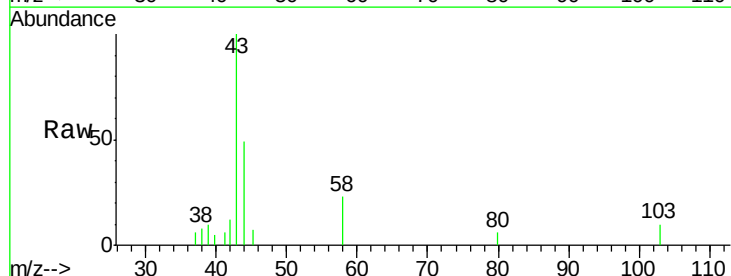
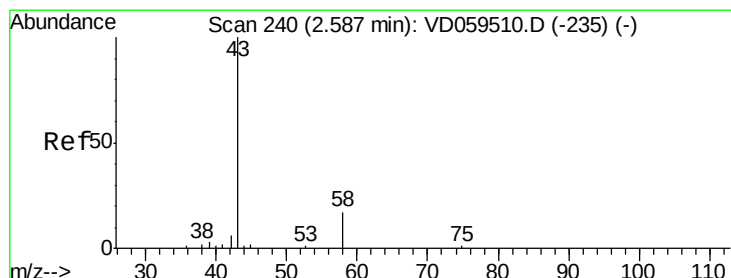
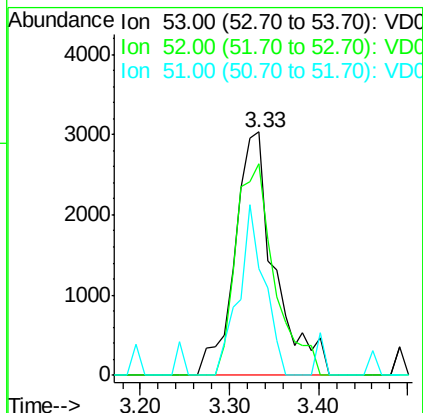
Tot Ion: 53 Resp: 9452

Ion Ratio Lower Upper

53 100

52 86.9 64.3 96.5

51 43.8 33.0 49.4



#16

Acetone

Concen: 14.507 ug/l

RT: 2.58 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD059518.D

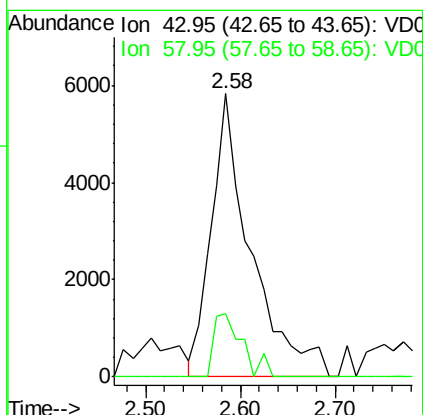
Acq: 2 Jul 2018 23:18

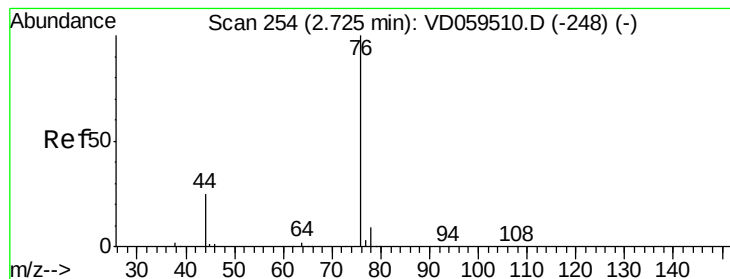
Tgt Ion: 43 Resp: 16862

Ion Ratio Lower Upper

43 100

58 22.5 13.8 20.8#





#17

Carbon Disulfide

Concen: 4.610 ug/l

RT: 2.72 min Scan# 254

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

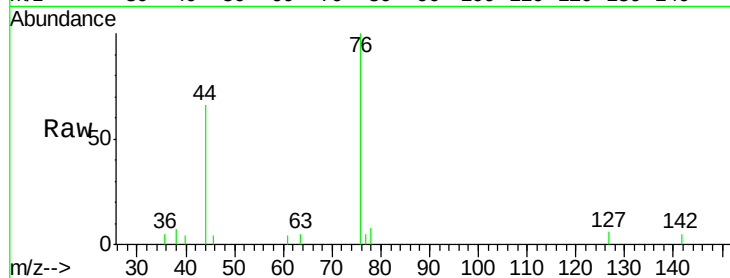
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 76 Resp: 17084

Ion Ratio Lower Upper

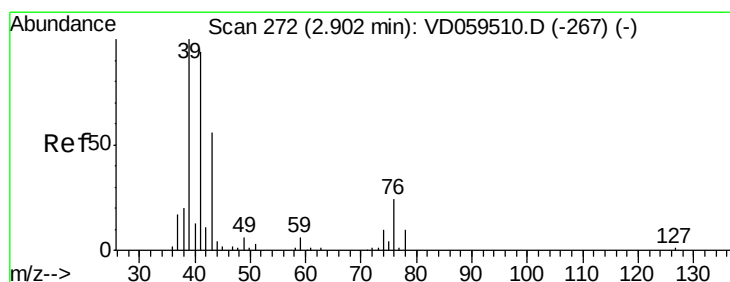
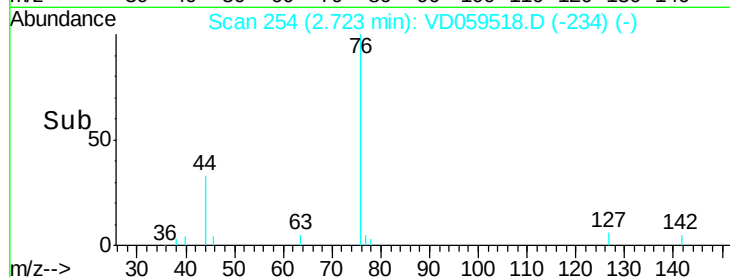
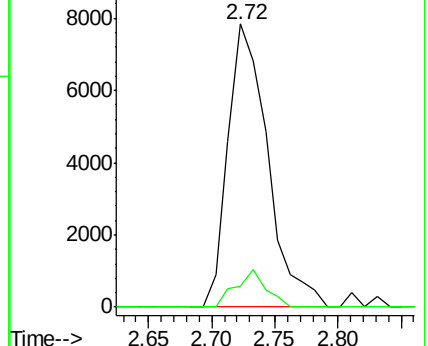
76 100

78 7.5 6.9 10.3



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 1.160 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.01 min

Lab File: VD059518.D

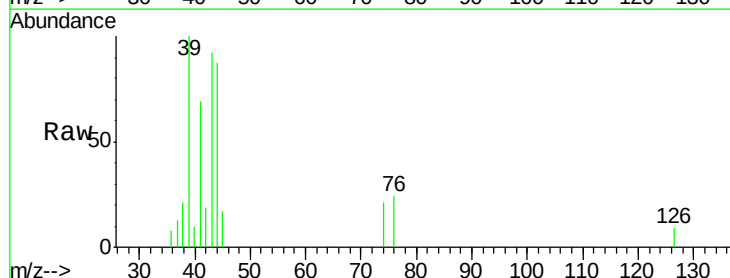
Acq: 2 Jul 2018 23:18

Tgt Ion: 43 Resp: 9012

Ion Ratio Lower Upper

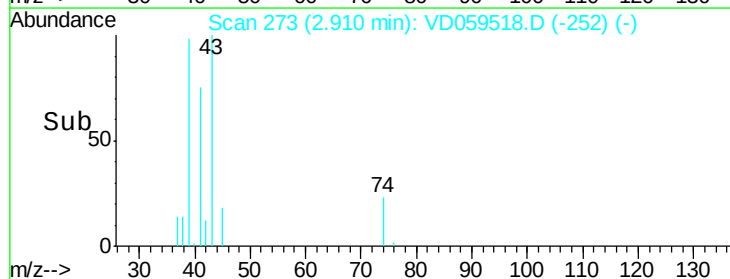
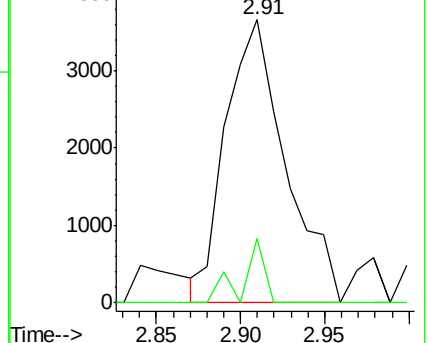
43 100

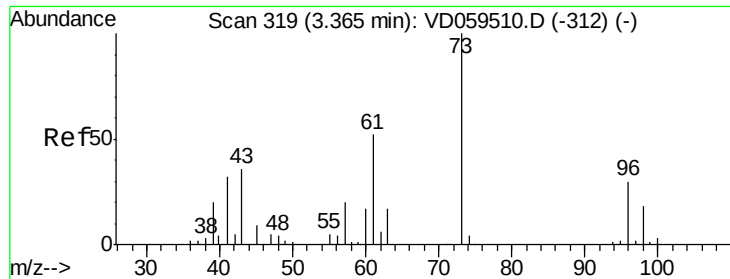
74 22.9 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

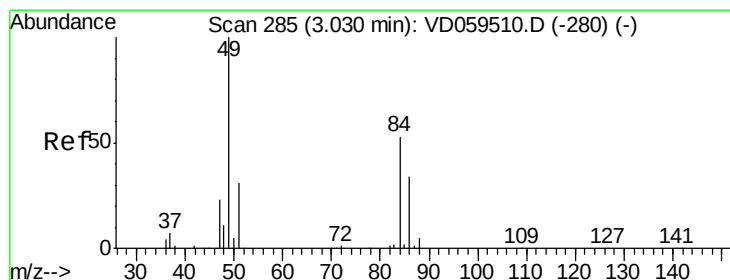
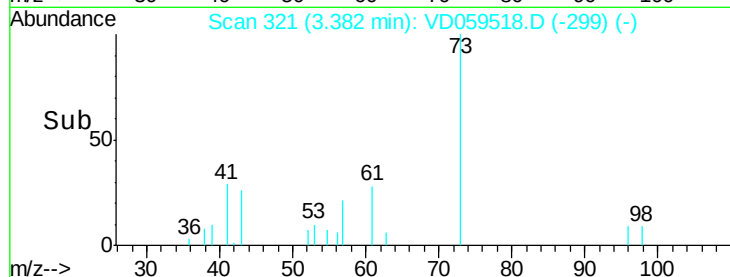
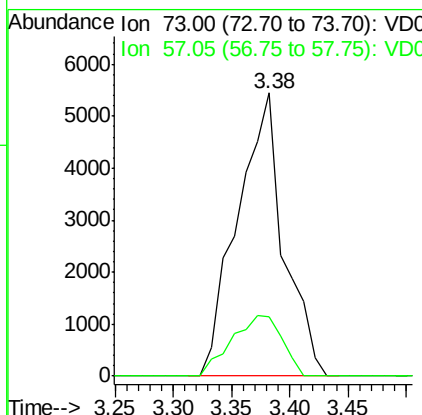
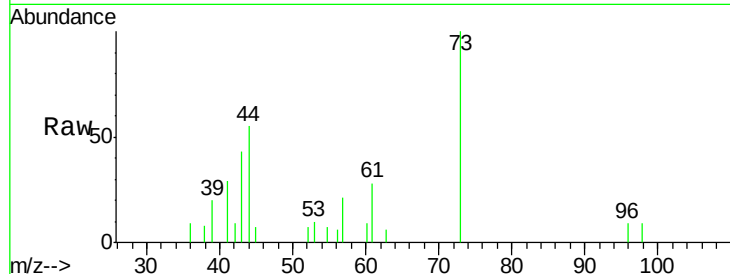




#19  
Methyl tert-butyl Ether  
Concen: 1.892 ug/l  
RT: 3.38 min Scan# 321  
Delta R.T. 0.02 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

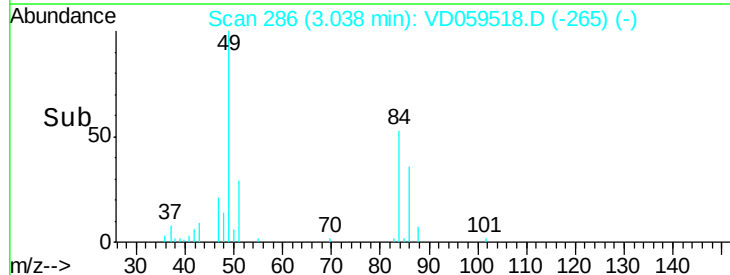
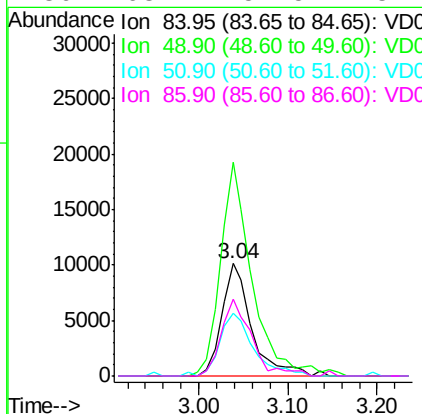
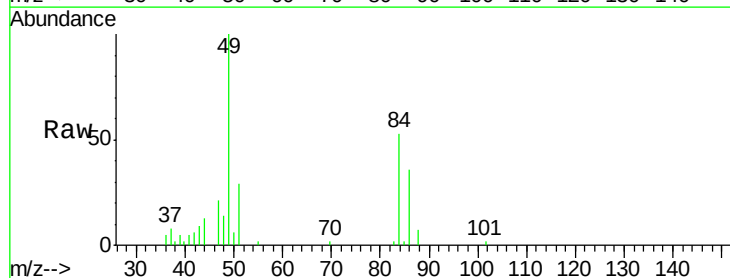
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

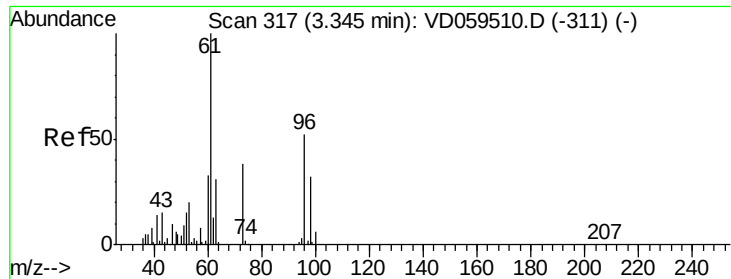
Tot Ion: 73 Resp: 14994  
Ion Ratio Lower Upper  
73 100  
57 20.9 16.5 24.7



#20  
Methylene Chloride  
Concen: 5.289 ug/l  
RT: 3.04 min Scan# 286  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 84 Resp: 23816  
Ion Ratio Lower Upper  
84 100  
49 189.9 152.2 228.2  
51 56.0 46.5 69.7  
86 68.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 1.954 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

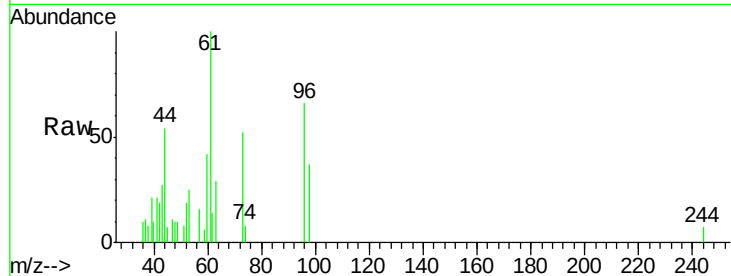
Tot Ion: 96 Resp: 6616

Ion Ratio Lower Upper

96 100

61 151.1 154.7 232.1#

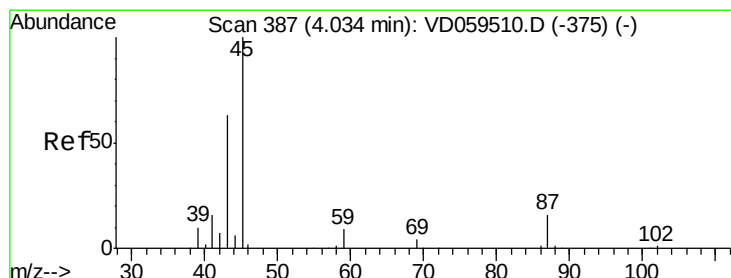
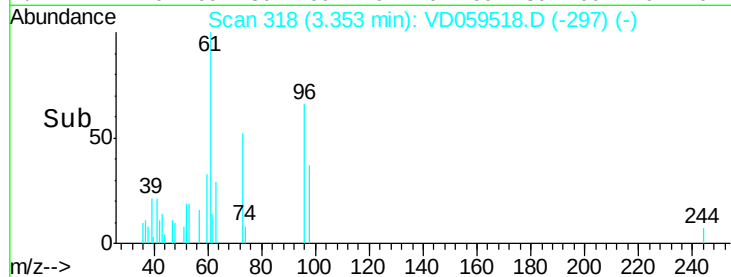
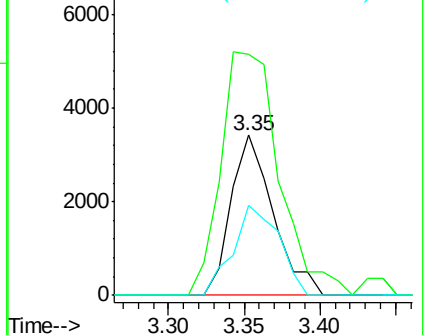
98 56.4 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 1.901 ug/l

RT: 4.04 min Scan# 388

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion: 45 Resp: 46916

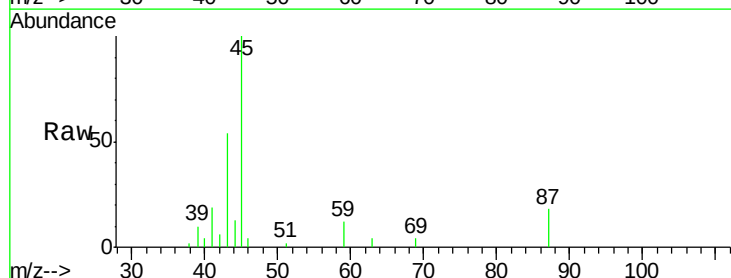
Ion Ratio Lower Upper

45 100

43 53.7 50.7 76.1

87 18.2 13.4 20.0

59 12.4 7.4 11.0#

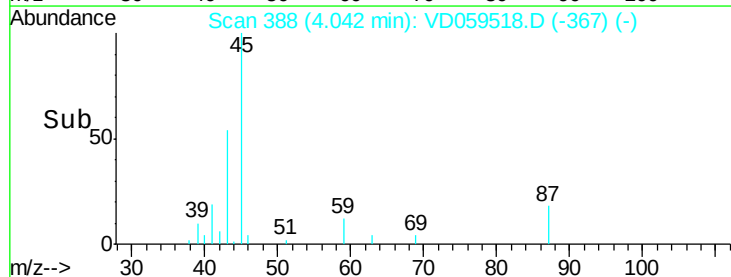
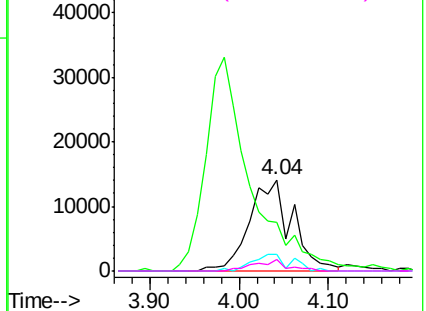


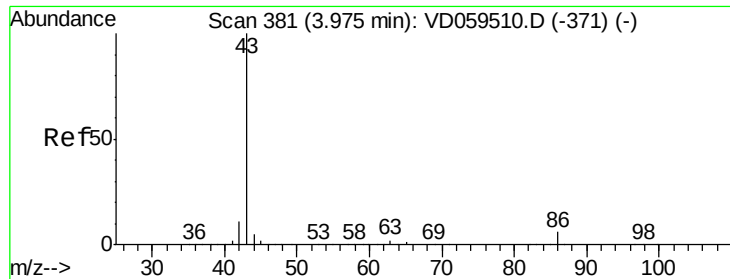
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

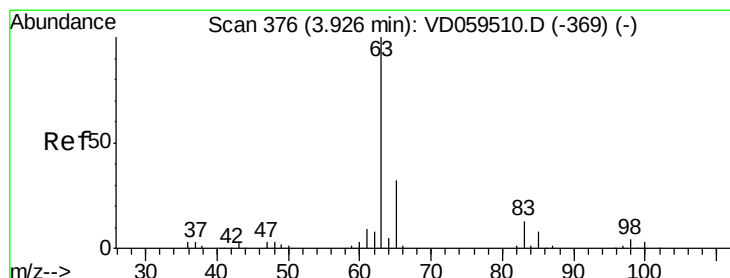
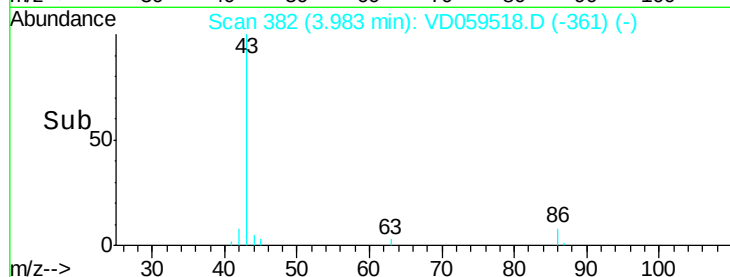
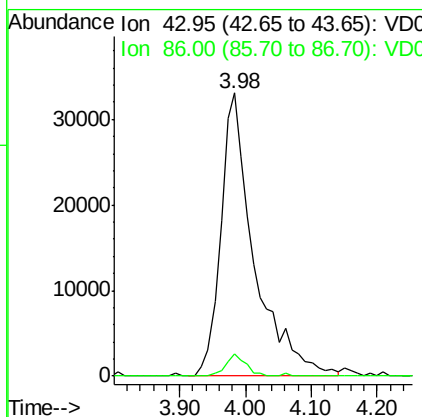
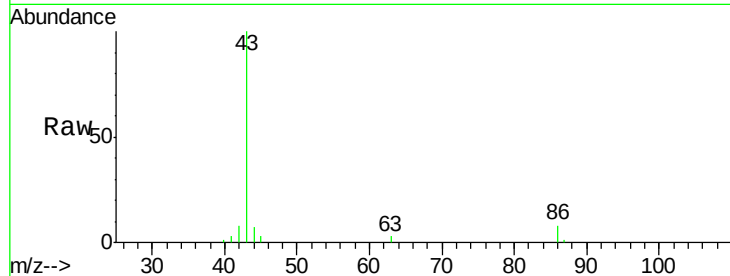




#23  
 Vinyl Acetate  
 Concen: 8.551 ug/l  
 RT: 3.98 min Scan# 382  
 Delta R.T. 0.01 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

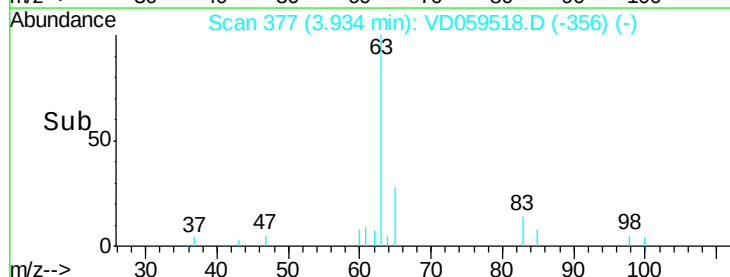
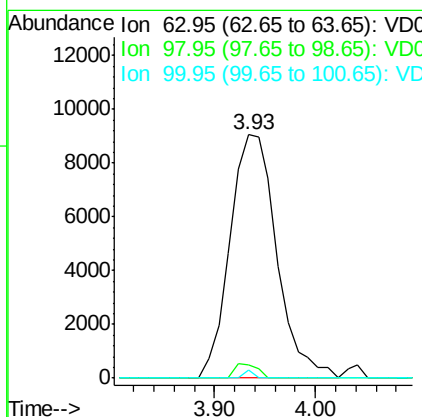
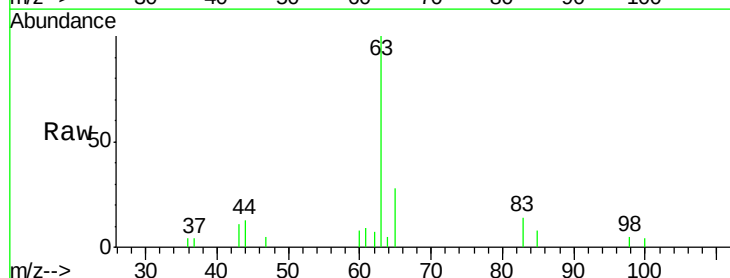
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 116448  
 Ion Ratio Lower Upper  
 43 100  
 86 8.1 5.0 7.4#

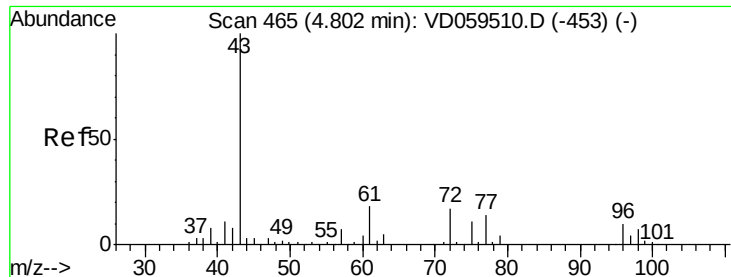


#24  
 1,1-Dichloroethane  
 Concen: 2.085 ug/l  
 RT: 3.93 min Scan# 377  
 Delta R.T. 0.01 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 63 Resp: 29138  
 Ion Ratio Lower Upper  
 63 100  
 98 5.4 2.0 5.8  
 100 3.5 1.5 4.4







#25

2-Butanone

Concen: 12.676 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

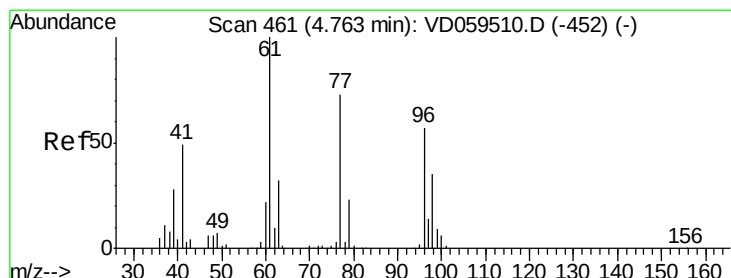
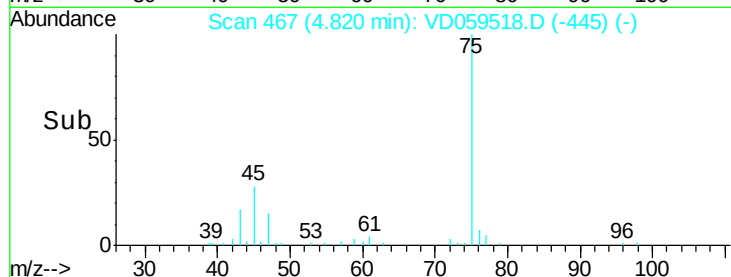
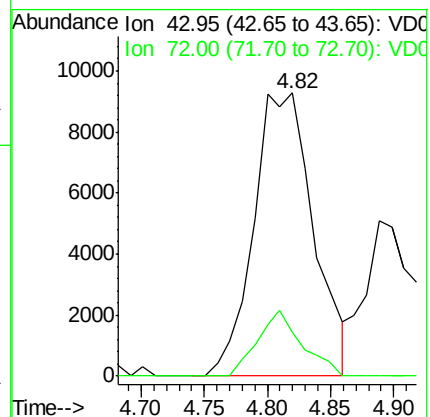
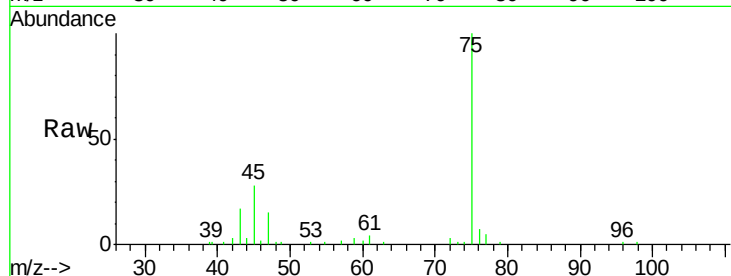
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 30646

Ion Ratio Lower Upper

43 100

72 15.4 13.8 20.8



#26

2,2-Dichloropropane

Concen: 2.455 ug/l

RT: 4.77 min Scan# 462

Delta R.T. 0.01 min

Lab File: VD059518.D

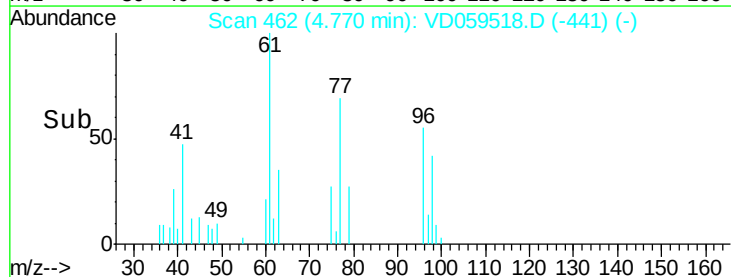
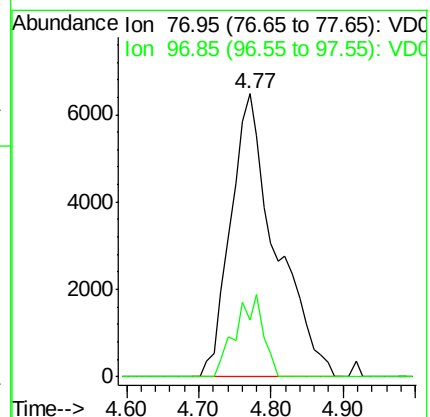
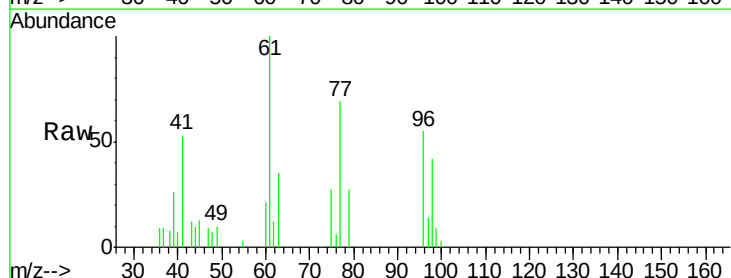
Acq: 2 Jul 2018 23:18

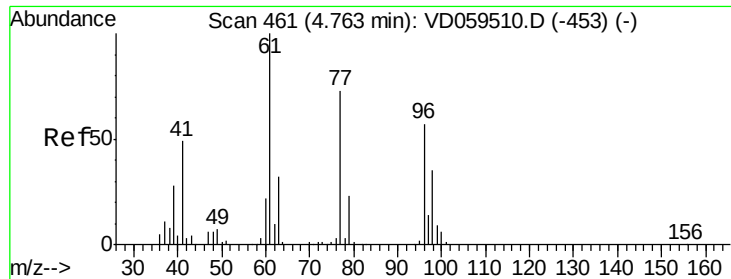
Tgt Ion: 77 Resp: 28041

Ion Ratio Lower Upper

77 100

97 20.2 9.5 28.5



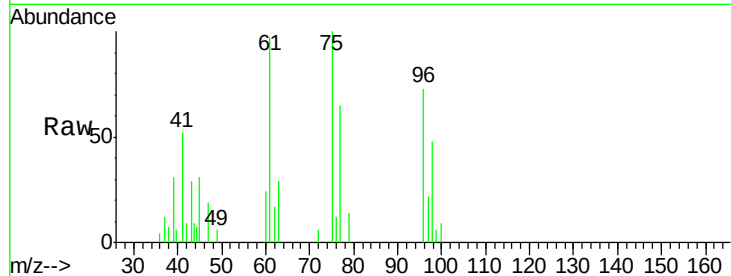


#27

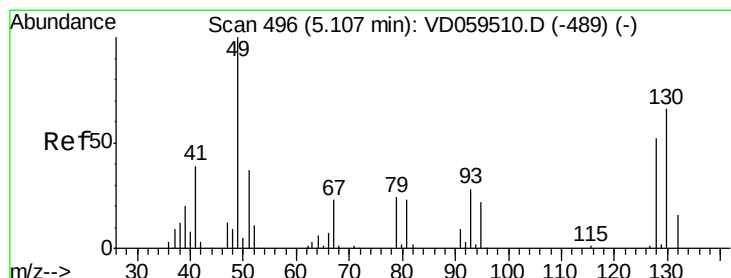
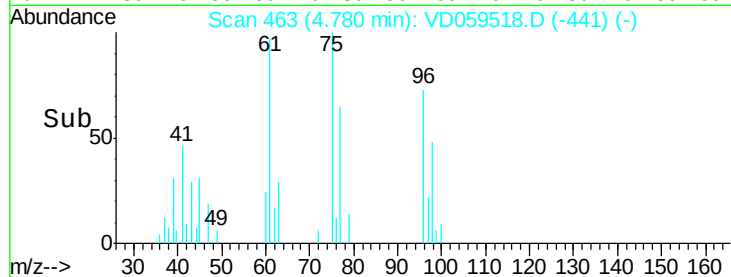
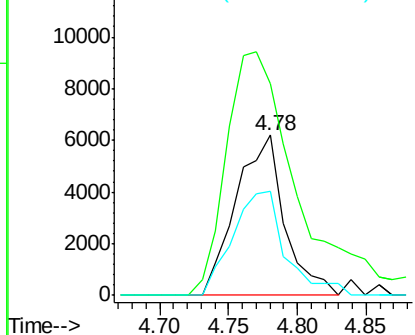
cis-1,2-Dichloroethene  
Concen: 2.077 ug/l  
RT: 4.78 min Scan# 463  
Delta R.T. 0.02 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 96 Resp: 15225  
Ion Ratio Lower Upper  
96 100  
61 132.1 0.0 350.8  
98 64.8 0.0 123.4



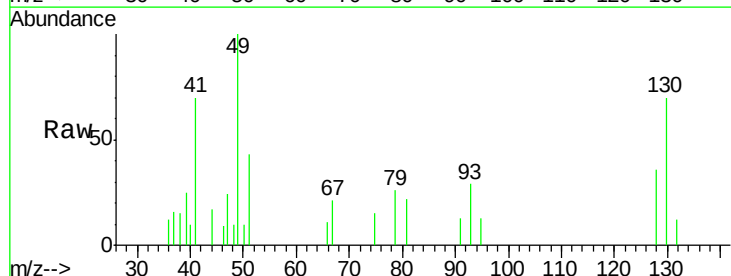
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



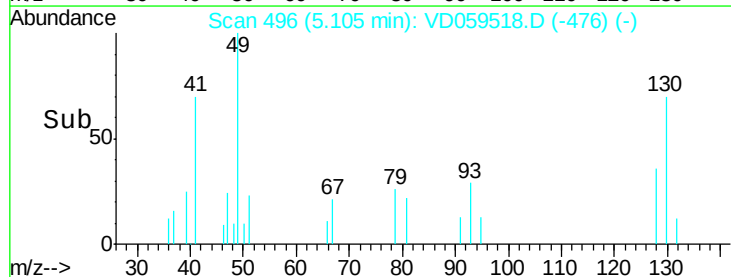
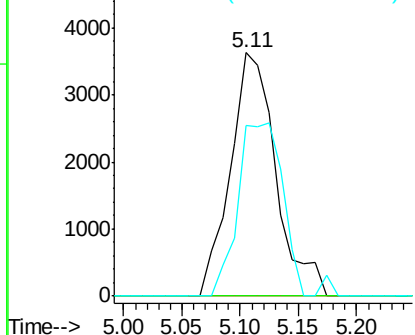
#28

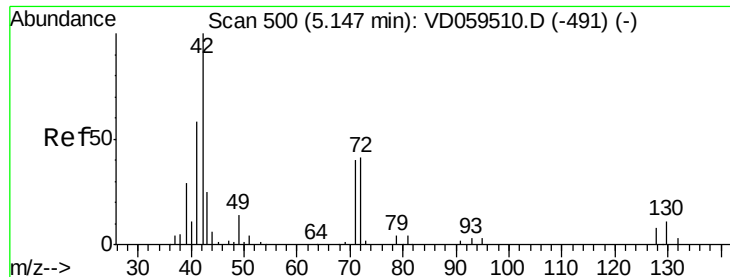
Bromochloromethane  
Concen: 1.835 ug/l  
RT: 5.11 min Scan# 496  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 49 Resp: 9836  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.4  
130 70.2 52.6 78.8



Abundance Ion 48.90 (48.60 to 49.60): VDC  
Ion 128.80 (128.50 to 129.50): VDC  
Ion 129.80 (129.50 to 130.50): VDC

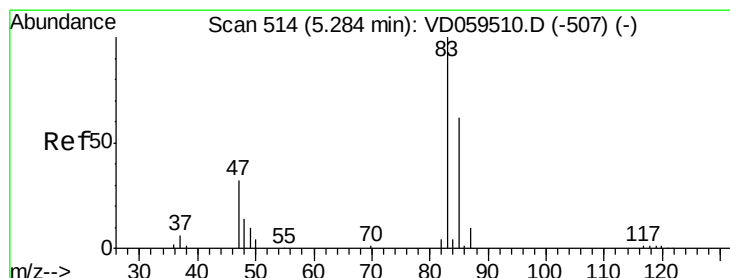
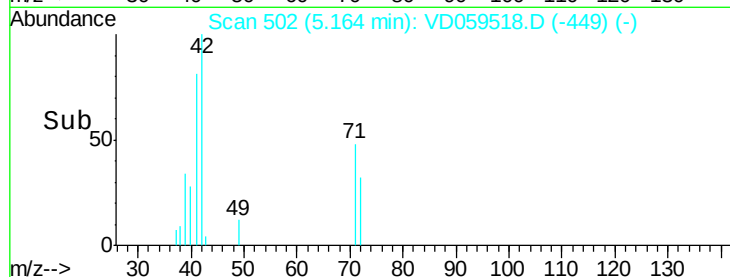
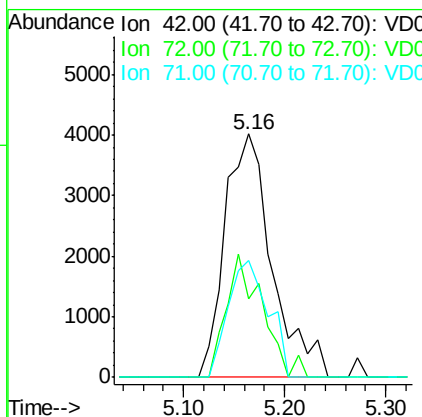
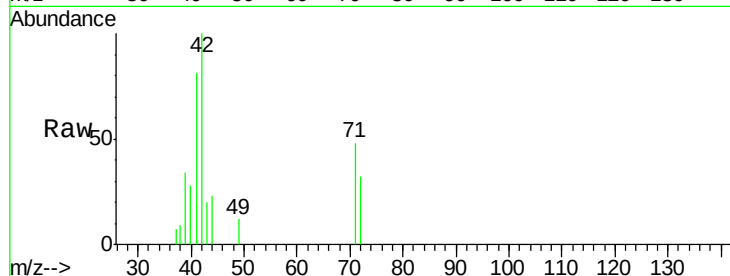




#29  
Tetrahydrofuran  
Concen: 10.622 ug/l  
RT: 5.16 min Scan# 502  
Delta R.T. 0.02 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

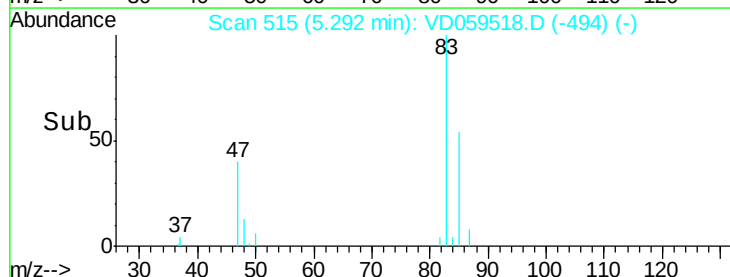
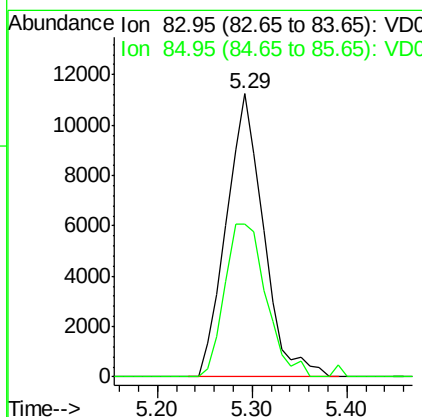
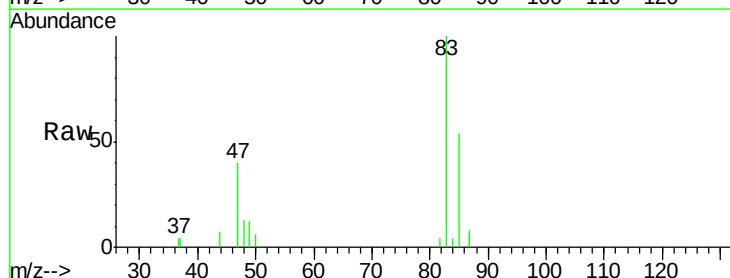
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

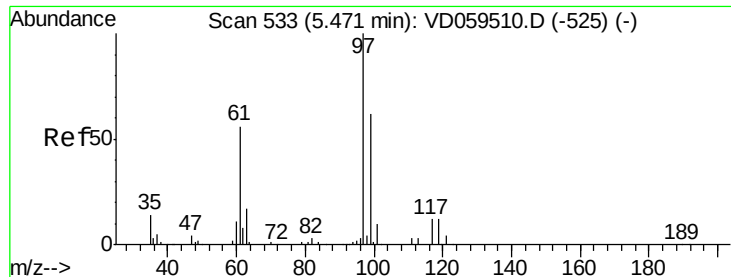
Tot Ion: 42 Resp: 13078  
Ion Ratio Lower Upper  
42 100  
72 38.8 32.9 49.3  
71 40.7 31.6 47.4



#30  
Chloroform  
Concen: 2.079 ug/l  
RT: 5.29 min Scan# 515  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 83 Resp: 30647  
Ion Ratio Lower Upper  
83 100  
85 53.9 49.8 74.6





#32

1,1,1-Trichloroethane

Concen: 2.013 ug/l

RT: 5.47 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

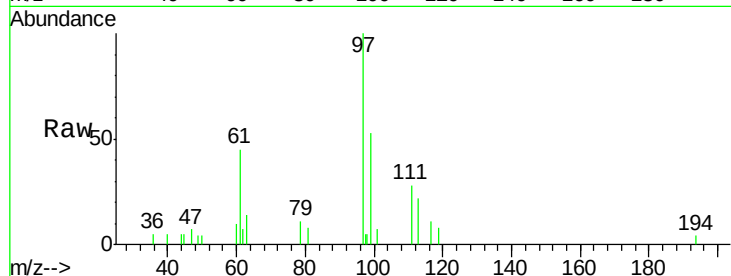
Tot Ion: 97 Resp: 23509

Ion Ratio Lower Upper

97 100

99 53.3 49.6 74.4

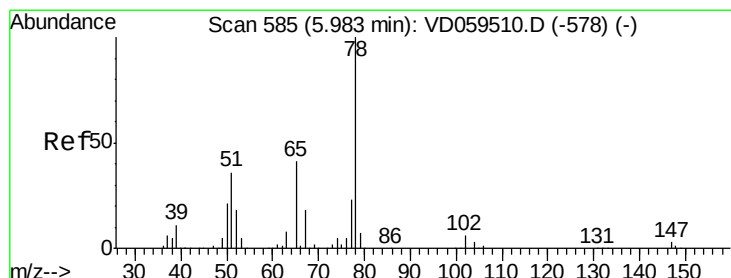
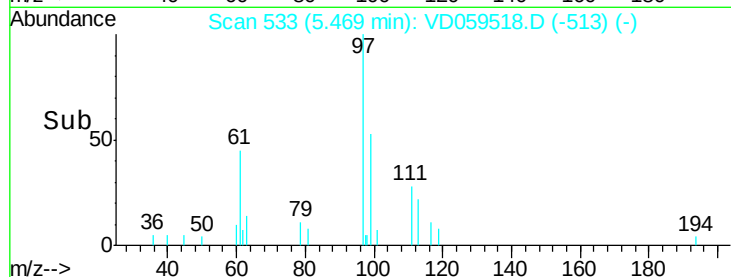
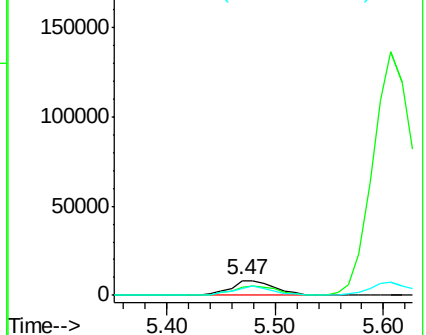
61 45.1 44.8 67.2



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 2.013 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059518.D

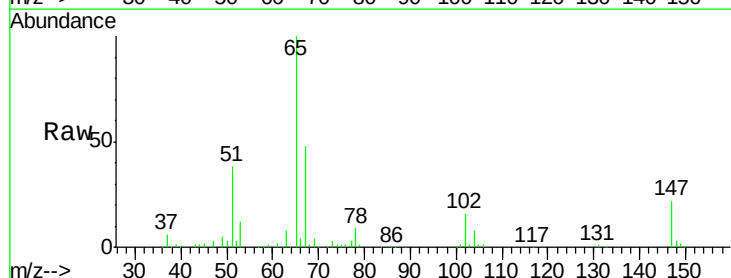
Acq: 2 Jul 2018 23:18

Tgt Ion: 65 Resp: 453951

Ion Ratio Lower Upper

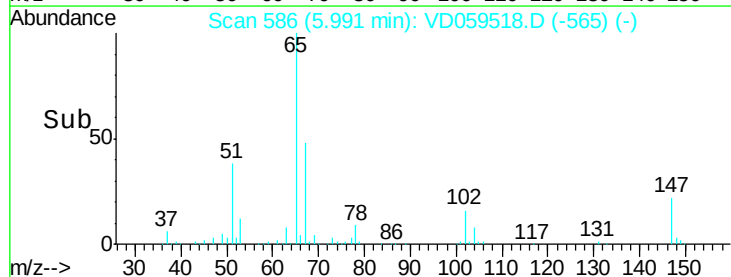
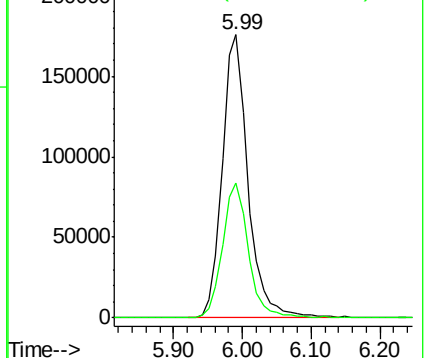
65 100

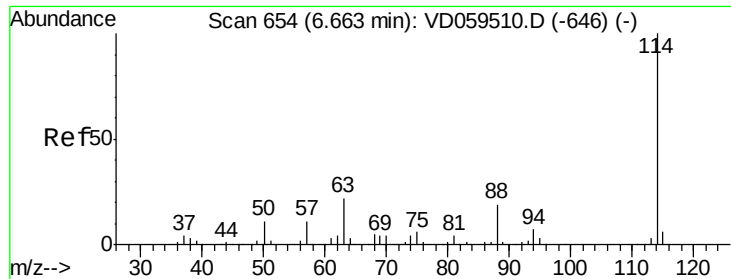
67 47.7 0.0 90.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

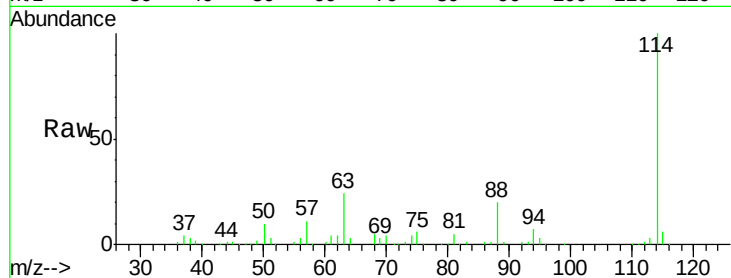




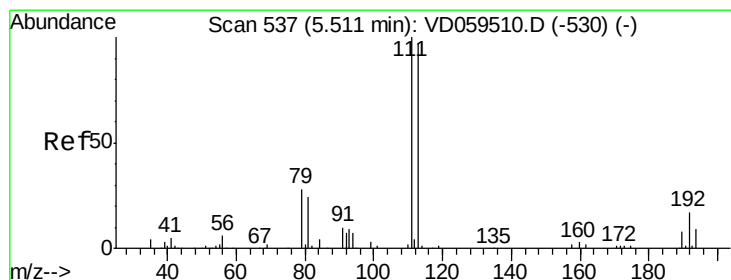
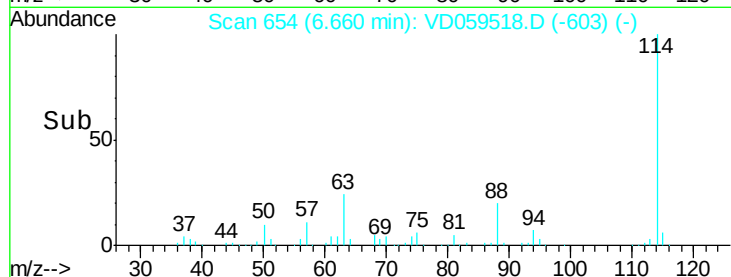
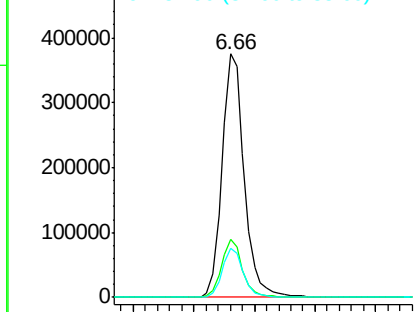
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.66 min Scan# 654  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:114 Resp: 948796  
Ion Ratio Lower Upper  
114 100  
63 24.0 0.0 44.4  
88 20.0 0.0 37.8

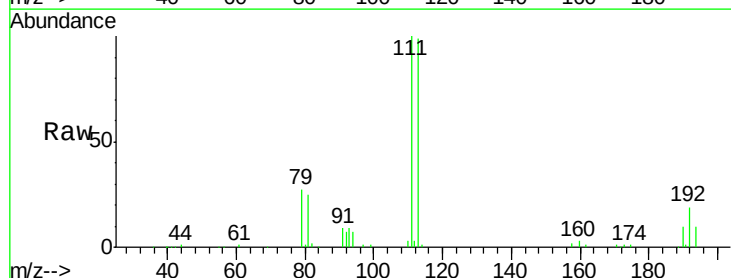


Abundance Ion 114.00 (113.70 to 114.70): V  
Ion 62.95 (62.65 to 63.65): VDC  
Ion 87.90 (87.60 to 88.60): VDC

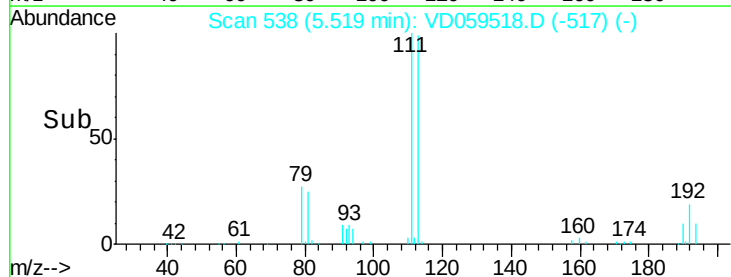
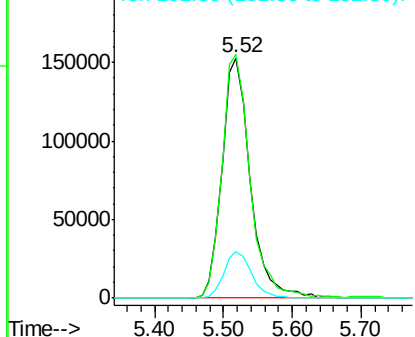


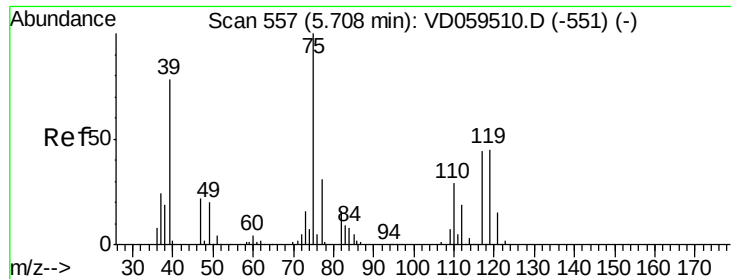
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 5.52 min Scan# 538  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion:113 Resp: 435110  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.7 124.1  
192 19.2 14.2 21.2



Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V

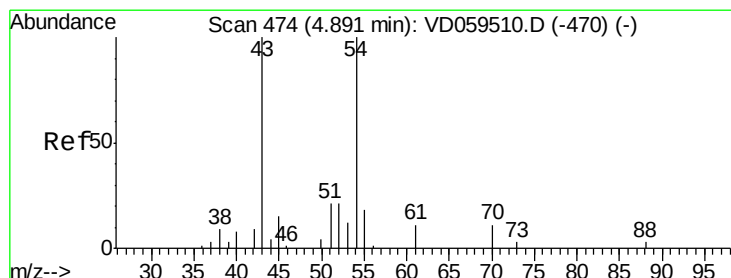
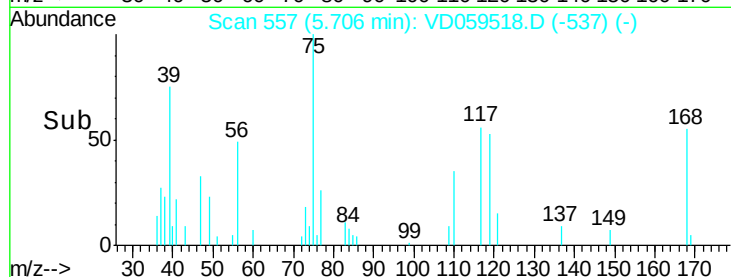
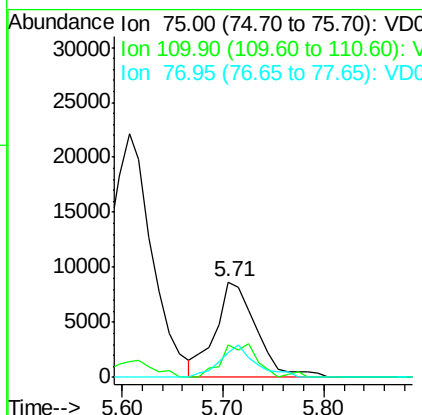
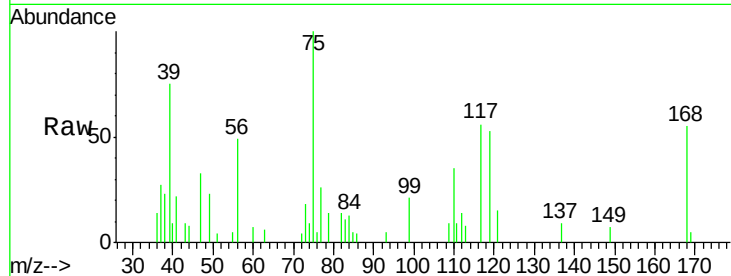




#36  
 1,1-Dichloropropene  
 Concen: 2.403 ug/l  
 RT: 5.71 min Scan# 557  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

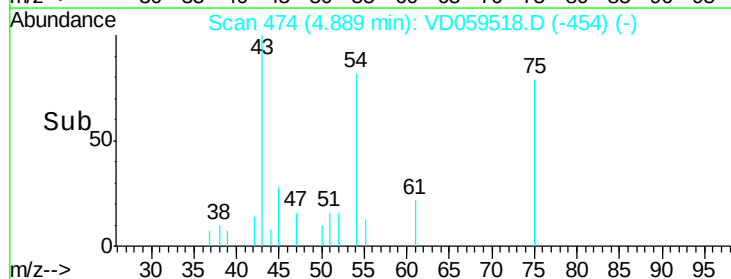
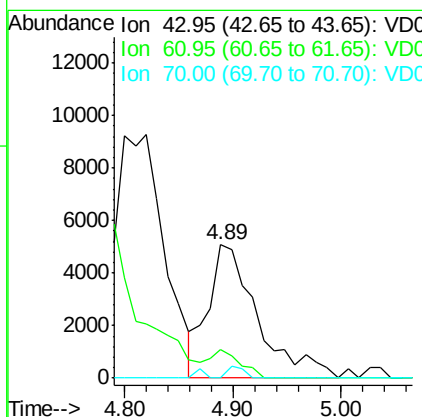
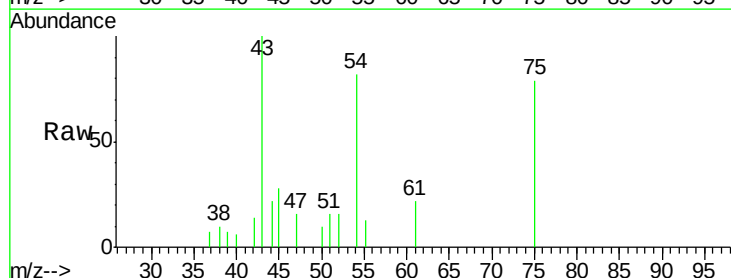
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

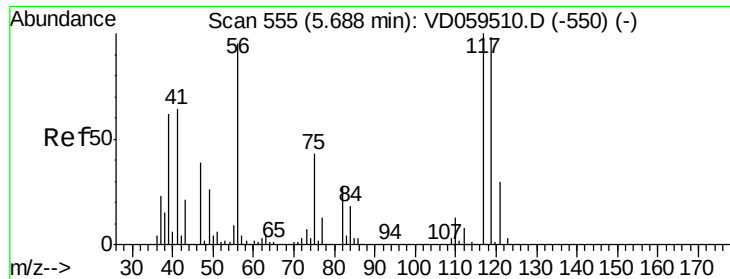
Tot Ion: 75 Resp: 24479  
 Ion Ratio Lower Upper  
 75 100  
 110 34.5 14.4 43.4  
 77 26.2 25.0 37.6



#37  
 Ethyl Acetate  
 Concen: 2.829 ug/l  
 RT: 4.89 min Scan# 474  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 43 Resp: 16031  
 Ion Ratio Lower Upper  
 43 100  
 61 21.7 11.5 17.3#  
 70 0.0 6.8 10.2#

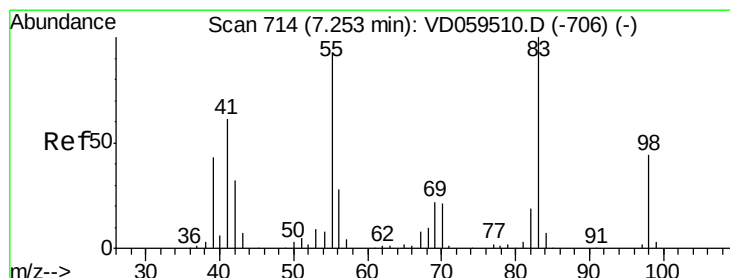
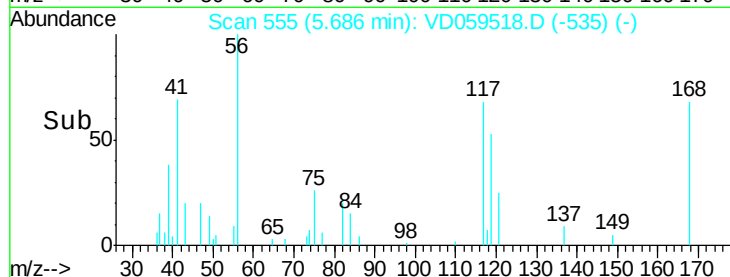
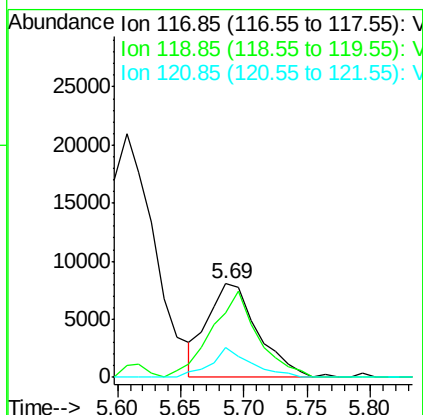
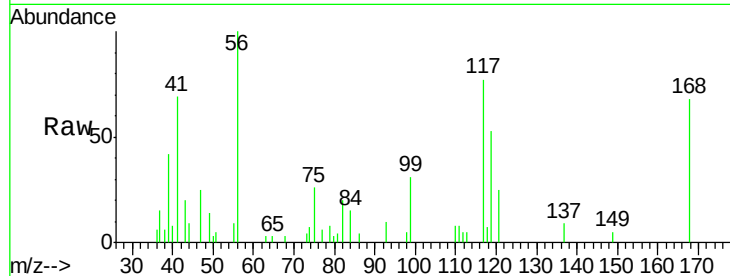




#38  
Carbon Tetrachloride  
Concen: 2.218 ug/l  
RT: 5.69 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

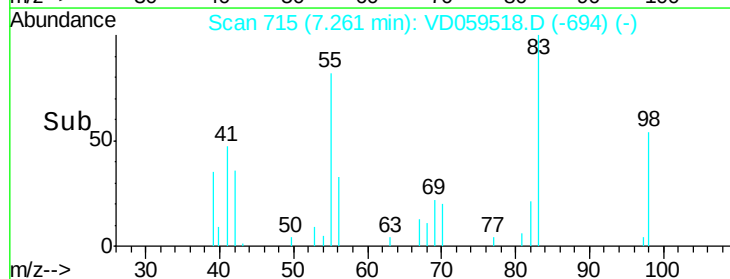
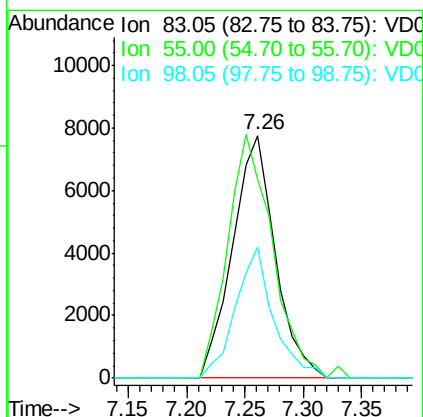
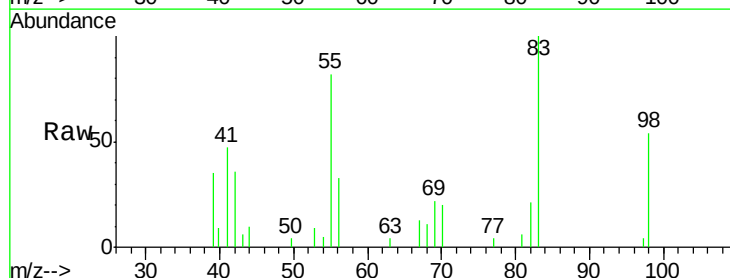
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

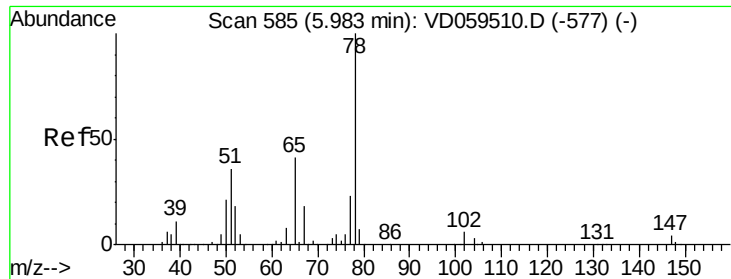
Tot Ion:117 Resp: 22212  
Ion Ratio Lower Upper  
117 100  
119 68.8 76.4 114.6#  
121 32.5 23.9 35.9



#39  
Methylcyclohexane  
Concen: 2.120 ug/l  
RT: 7.26 min Scan# 715  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 83 Resp: 19672  
Ion Ratio Lower Upper  
83 100  
55 82.0 74.2 111.4  
98 53.8 35.5 53.3#





#40

Benzene

Concen: 1.991 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

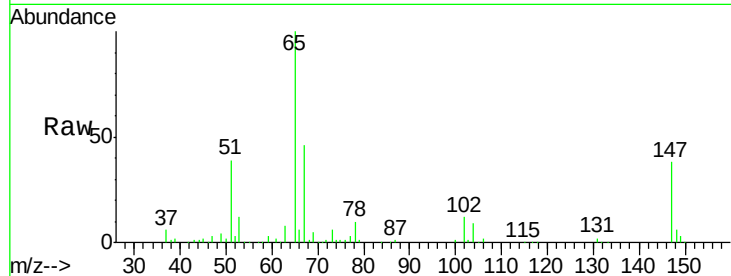
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 78 Resp: 46680

Ion Ratio Lower Upper

78 100

77 27.2 18.6 27.8



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

5.98

20000

15000

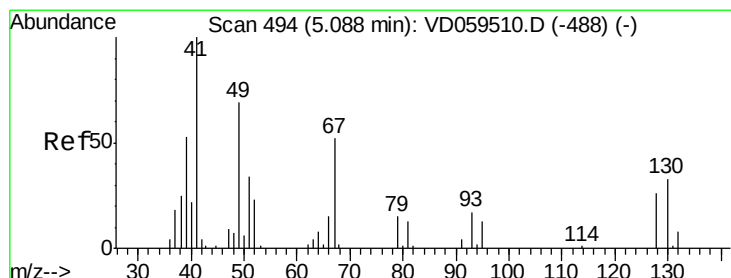
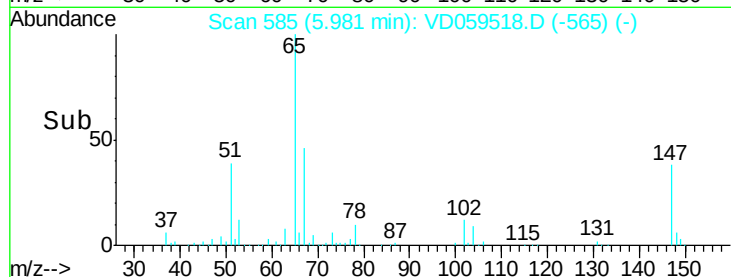
10000

5000

0

Time-->

5.90 6.00 6.10



#41

Methacrylonitrile

Concen: 2.376 ug/l

RT: 5.10 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion: 41 Resp: 6830

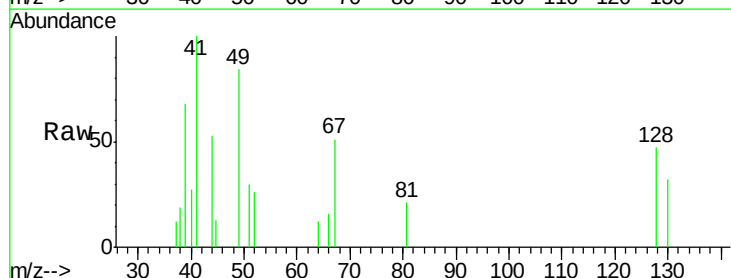
Ion Ratio Lower Upper

41 100

39 68.4 43.0 64.4#

67 51.0 41.4 62.2

52 26.1 18.6 28.0



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

5000

4000

3000

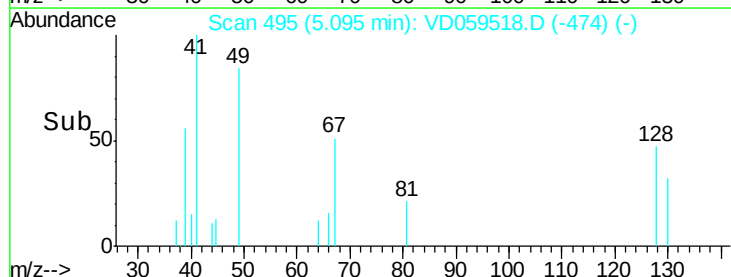
2000

1000

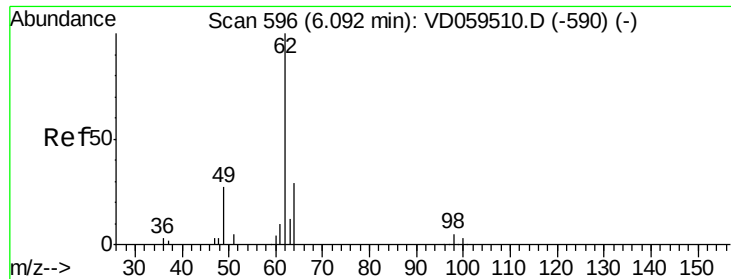
0

Time-->

5.05 5.10 5.15



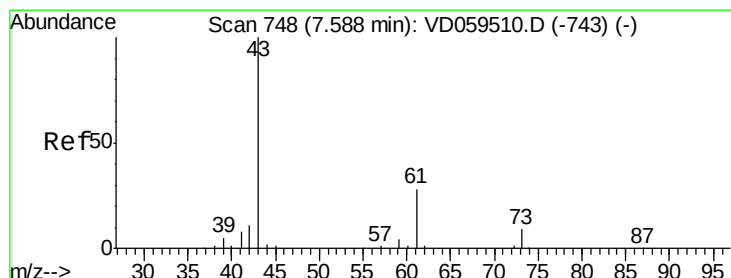
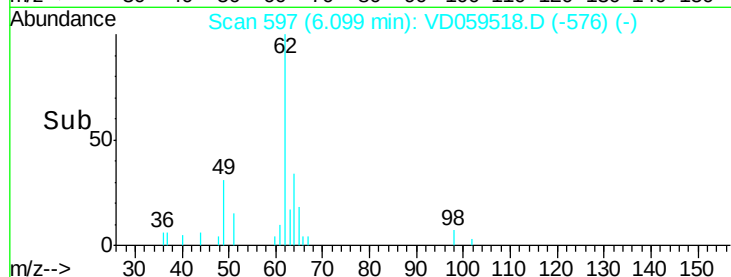
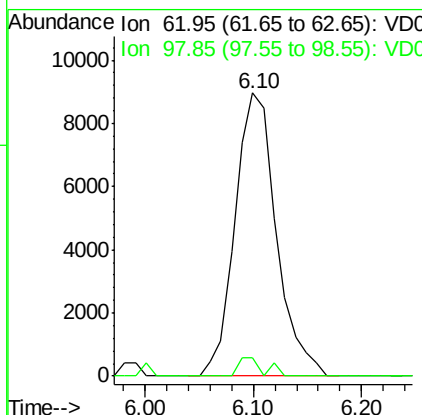
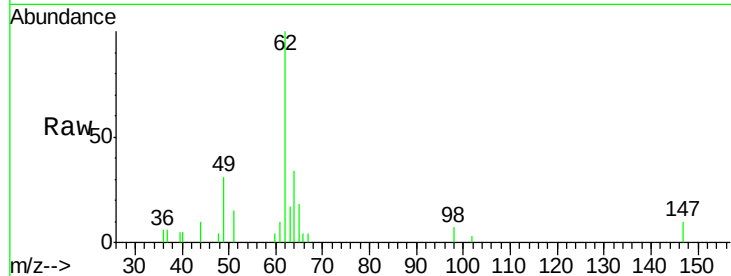




#42  
 1,2-Dichloroethane  
 Concen: 2.263 ug/l  
 RT: 6.10 min Scan# 597  
 Delta R.T. 0.01 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

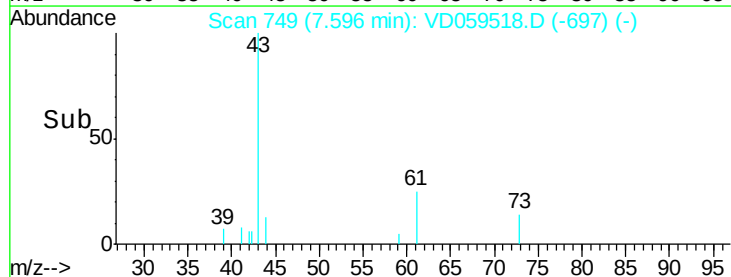
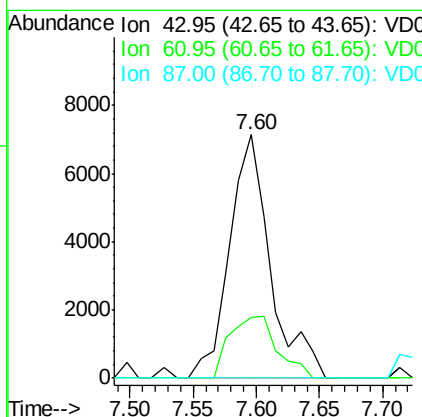
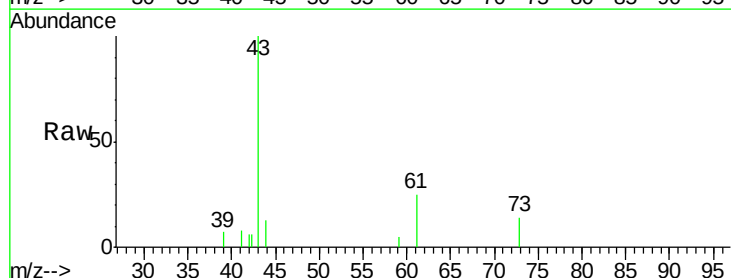
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

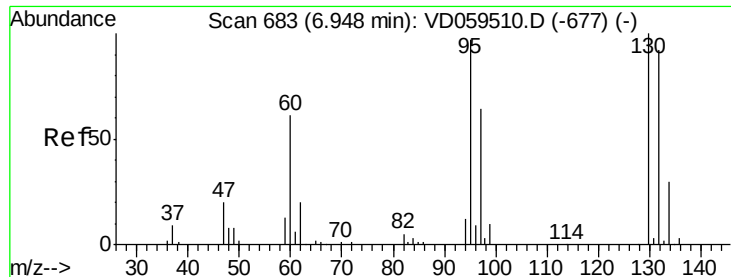
Tot Ion: 62 Resp: 23737  
 Ion Ratio Lower Upper  
 62 100  
 98 6.7 0.0 10.0



#43  
 Isopropyl Acetate  
 Concen: 2.137 ug/l  
 RT: 7.60 min Scan# 749  
 Delta R.T. 0.01 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 43 Resp: 16025  
 Ion Ratio Lower Upper  
 43 100  
 61 24.6 22.3 33.5  
 87 0.0 0.4 0.6#

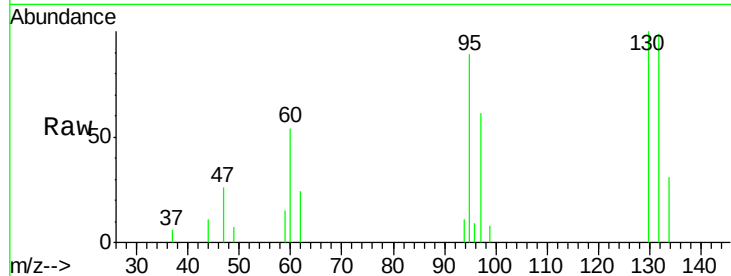




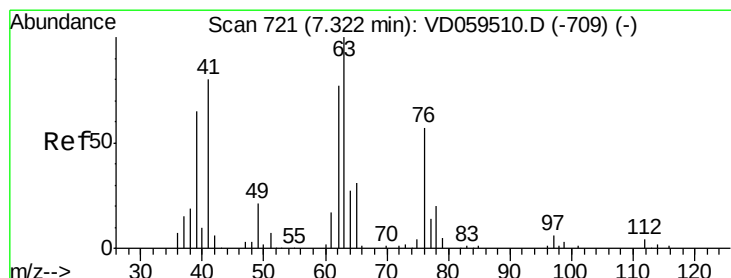
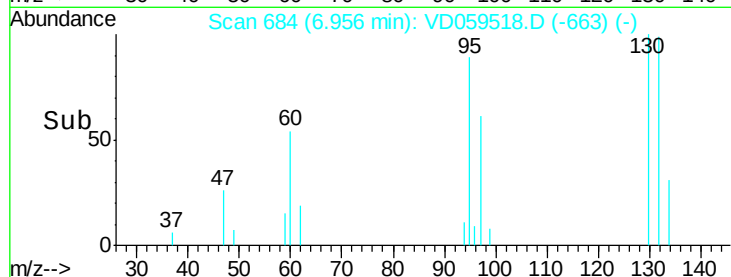
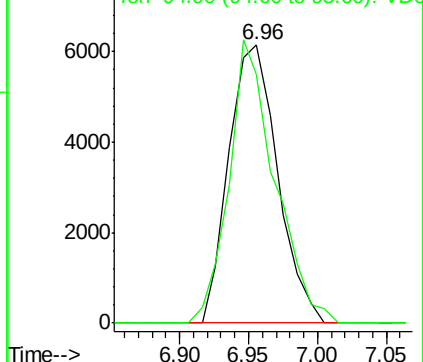
#44  
 Trichloroethene  
 Concen: 2.130 ug/l  
 RT: 6.96 min Scan# 684  
 Delta R.T. 0.01 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion:130 Resp: 15160  
 Ion Ratio Lower Upper  
 130 100  
 95 89.4 0.0 193.6

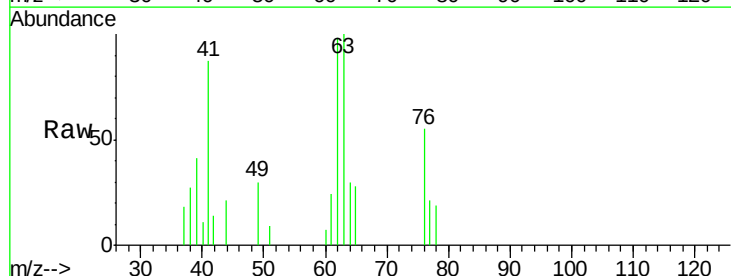


Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VDC

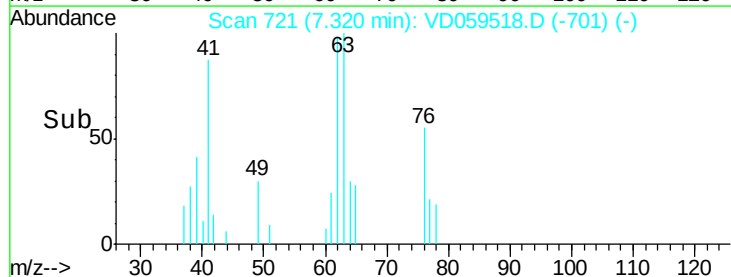
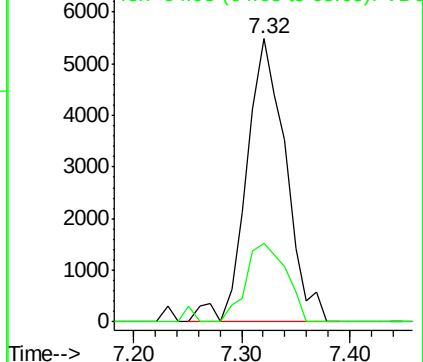


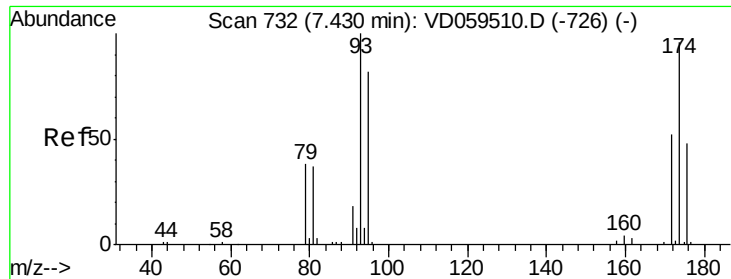
#45  
 1,2-Dichloropropane  
 Concen: 2.102 ug/l  
 RT: 7.32 min Scan# 721  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 63 Resp: 13781  
 Ion Ratio Lower Upper  
 63 100  
 65 27.7 24.4 36.6



Abundance Ion 62.95 (62.65 to 63.65): VDC  
 Ion 64.95 (64.65 to 65.65): VDC

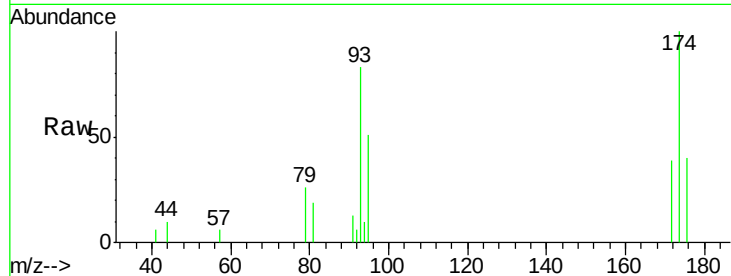




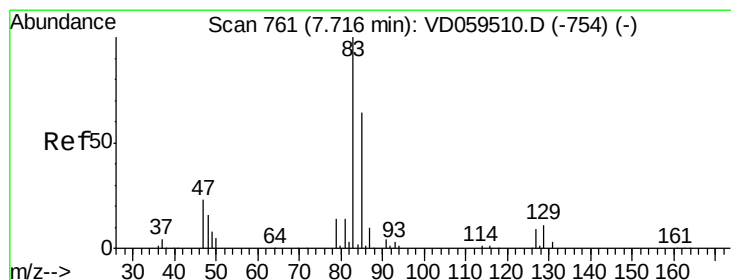
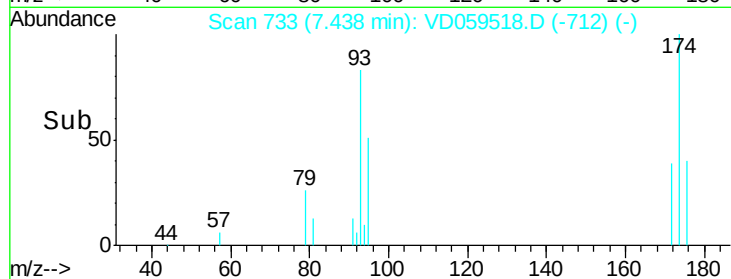
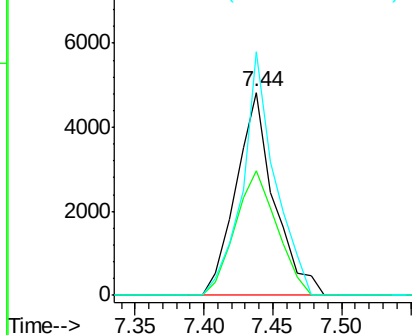
#46  
Dibromomethane  
Concen: 2.098 ug/l  
RT: 7.44 min Scan# 733  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 93 Resp: 9305  
Ion Ratio Lower Upper  
93 100  
95 61.6 65.7 98.5#  
174 119.8 77.2 115.8#

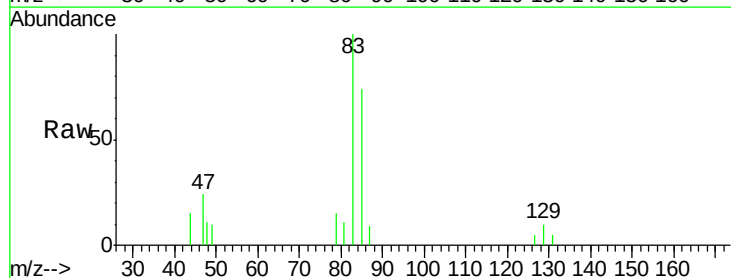


Abundance Ion 92.90 (92.60 to 93.60): VDC  
Ion 94.90 (94.60 to 95.60): VDC  
Ion 173.80 (173.50 to 174.50): V

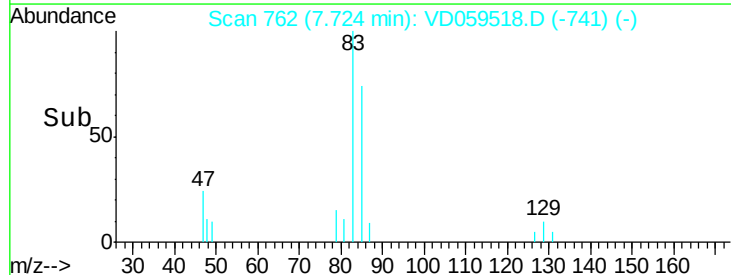
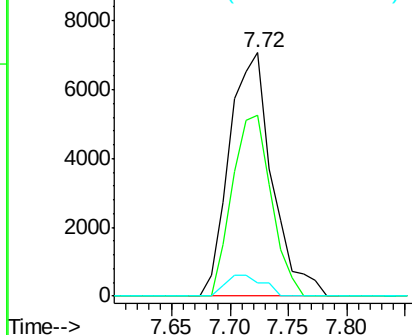


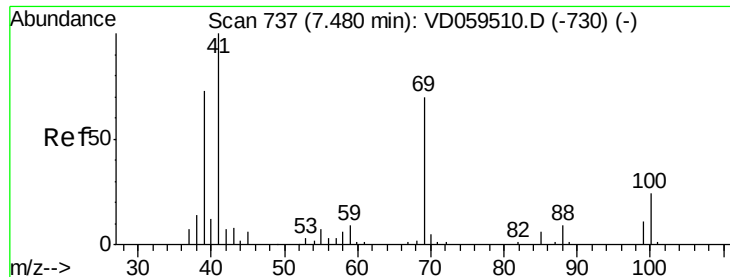
#47  
Bromodichloromethane  
Concen: 1.739 ug/l  
RT: 7.72 min Scan# 762  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 83 Resp: 17957  
Ion Ratio Lower Upper  
83 100  
85 74.4 51.0 76.4  
127 5.5 7.0 10.6#



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): V

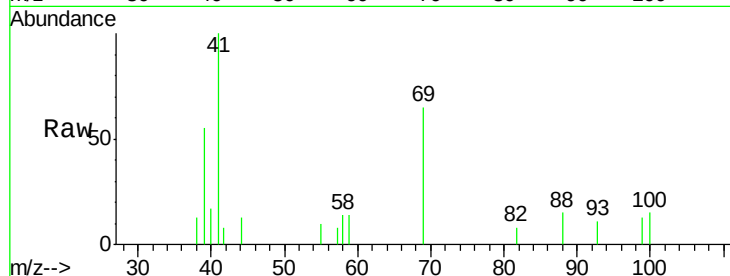




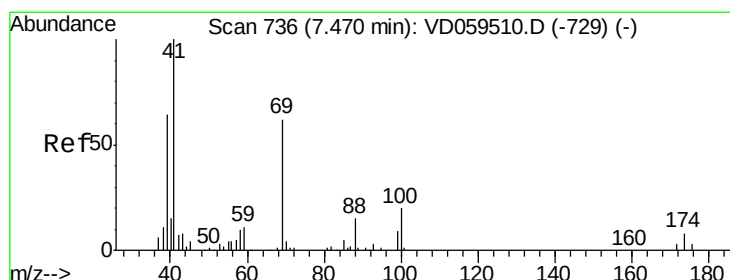
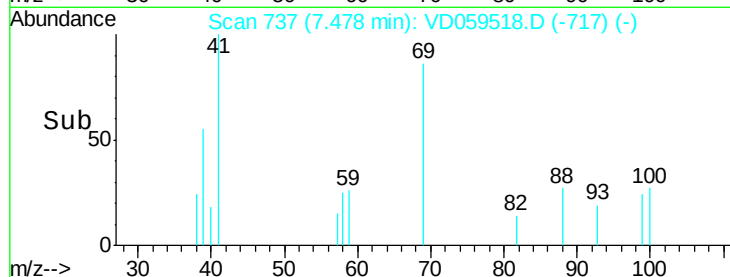
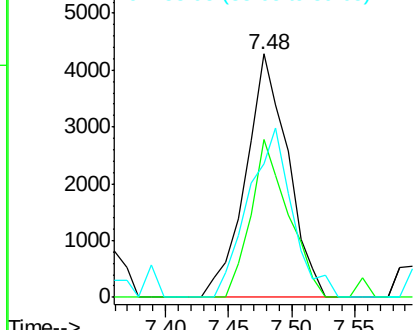
#48  
Methyl methacrylate  
Concen: 2.136 ug/l  
RT: 7.48 min Scan# 737  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 41 Resp: 9989  
Ion Ratio Lower Upper  
41 100  
69 64.7 55.8 83.8  
39 54.9 58.7 88.1#

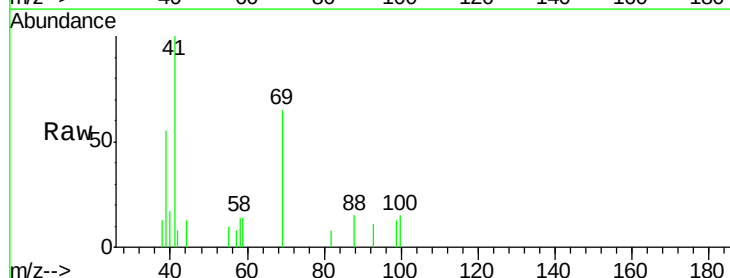


Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC

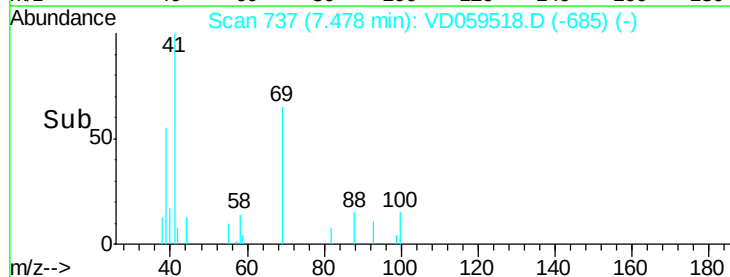
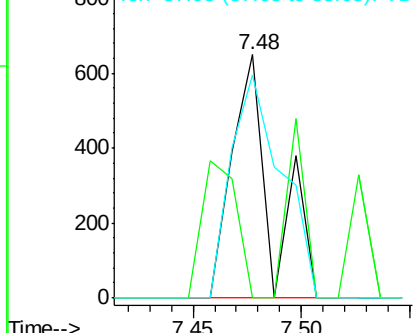


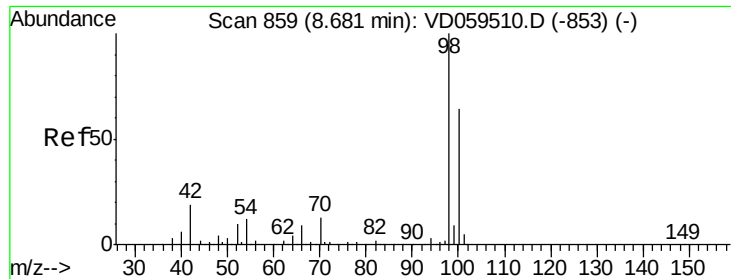
#49  
1,4-Dioxane  
Concen: 19.229 ug/l  
RT: 7.48 min Scan# 737  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 88 Resp: 838  
Ion Ratio Lower Upper  
88 100  
43 0.0 41.4 62.0#  
58 91.4 49.4 74.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

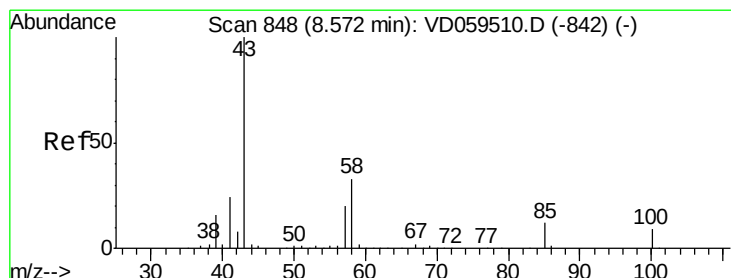
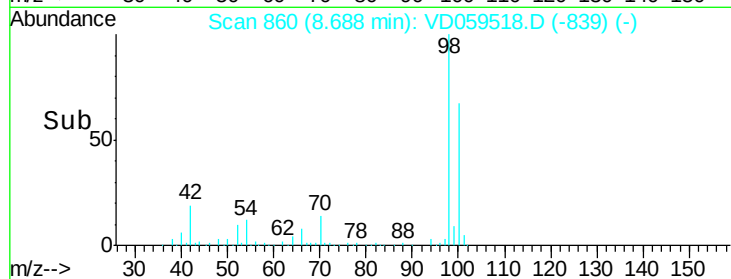
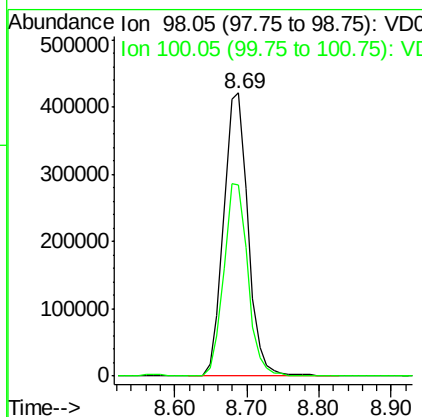
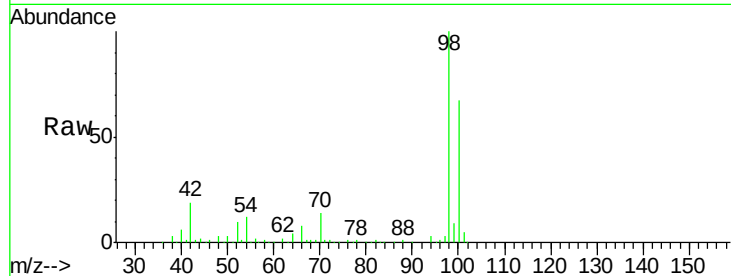




#50  
Toluene-d8  
Concen: 19.229 ug/l  
RT: 8.69 min Scan# 860  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

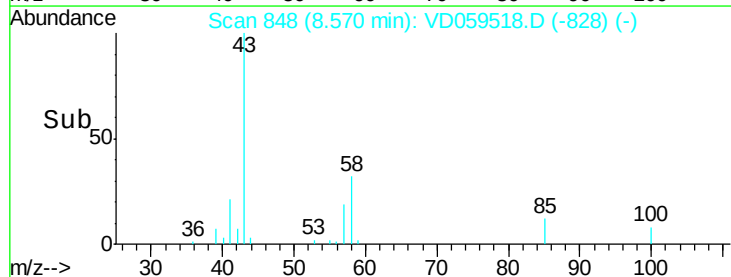
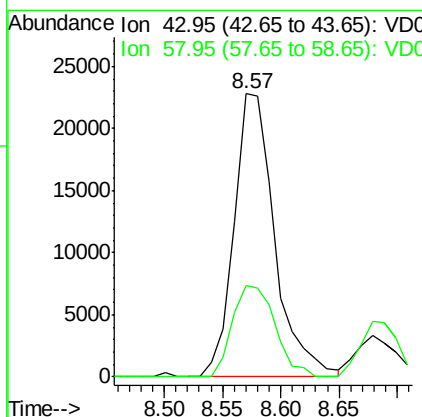
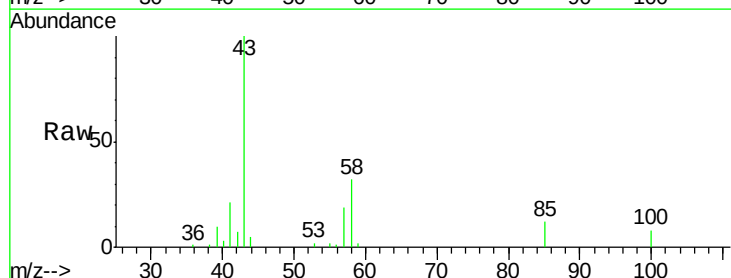
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

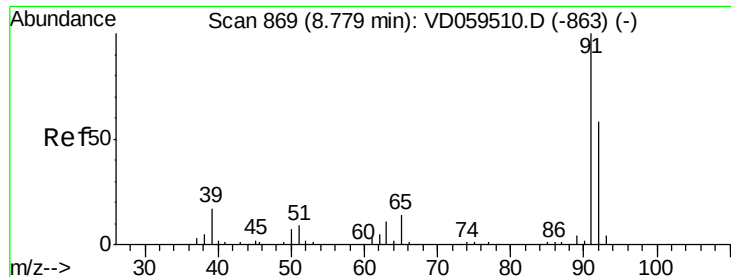
Tot Ion: 98 Resp: 985866  
Ion Ratio Lower Upper  
98 100  
100 67.4 51.8 77.8



#51  
4-Methyl-2-Pentanone  
Concen: 11.309 ug/l  
RT: 8.57 min Scan# 848  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 43 Resp: 55384  
Ion Ratio Lower Upper  
43 100  
58 32.2 26.7 40.1





#52

Toluene

Concen: 2.403 ug/l

RT: 8.78 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

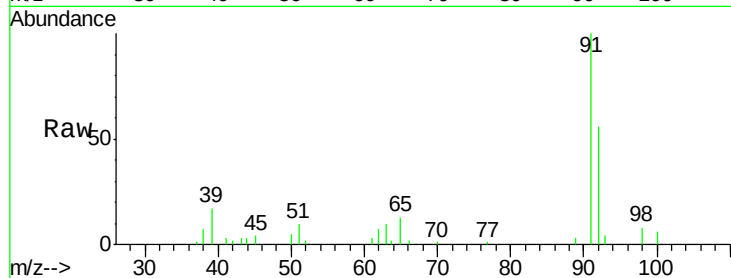
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 92 Resp: 31106

Ion Ratio Lower Upper

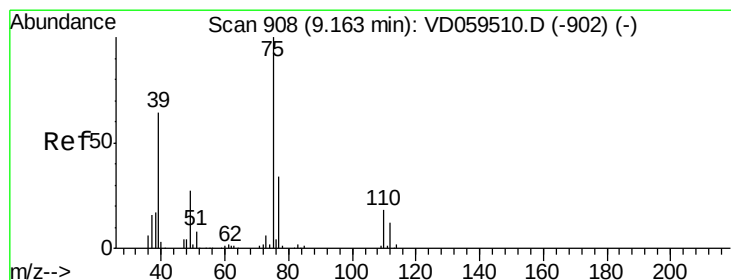
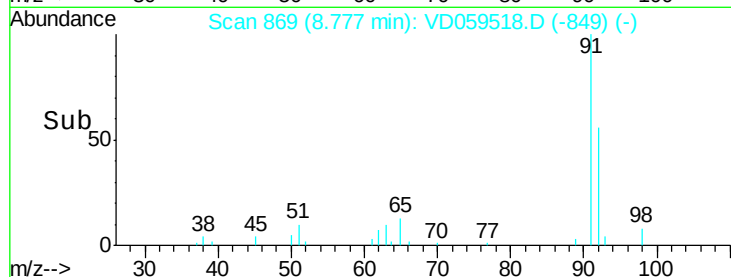
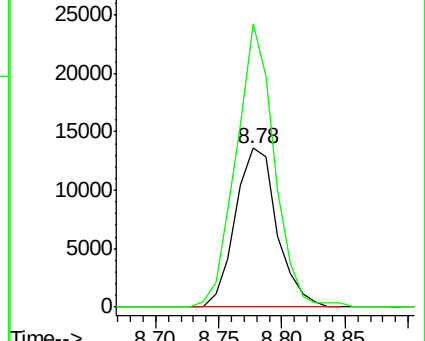
92 100

91 178.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 1.873 ug/l

RT: 9.16 min Scan# 908

Delta R.T. -0.00 min

Lab File: VD059518.D

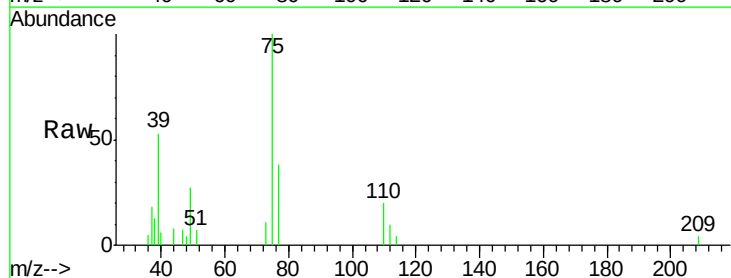
Acq: 2 Jul 2018 23:18

Tgt Ion: 75 Resp: 16847

Ion Ratio Lower Upper

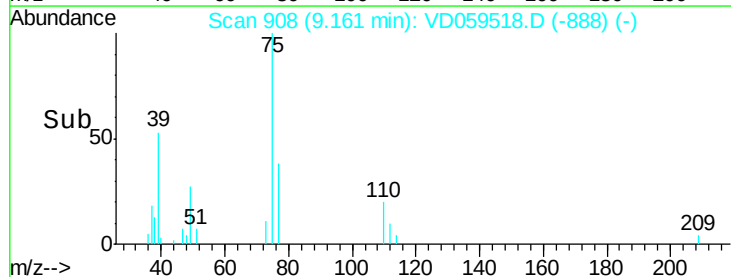
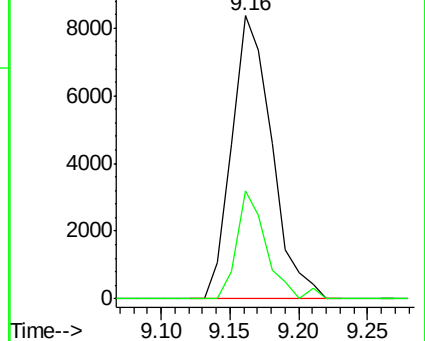
75 100

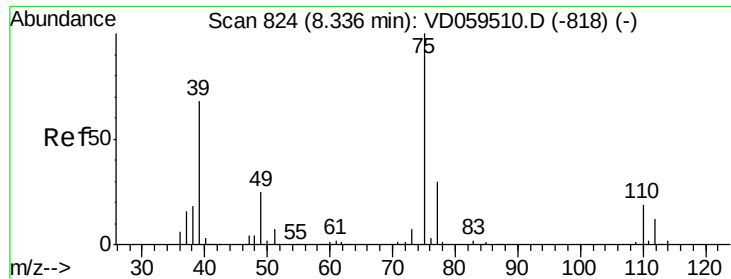
77 38.0 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 1.757 ug/l

RT: 8.33 min Scan# 824

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

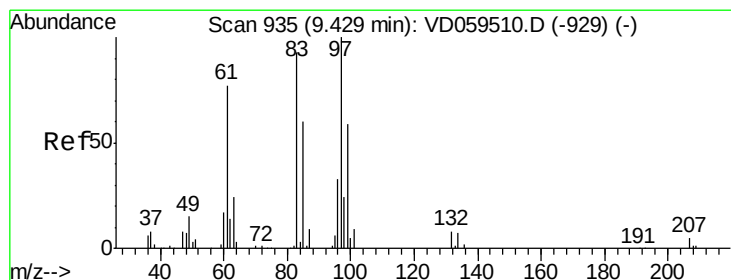
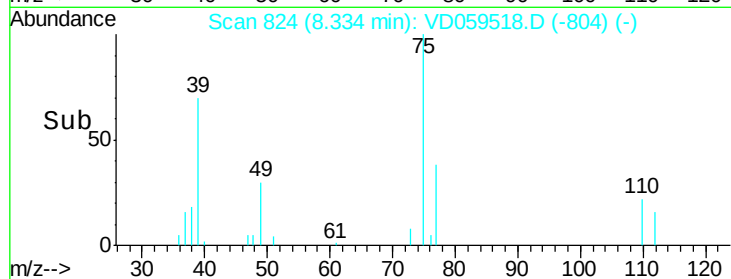
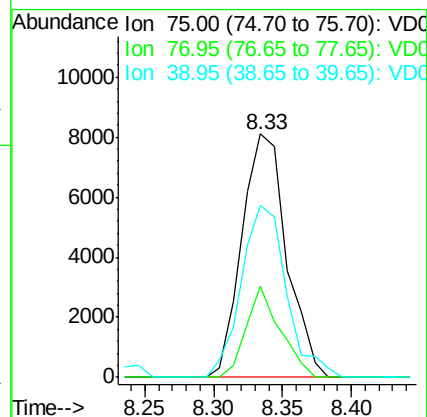
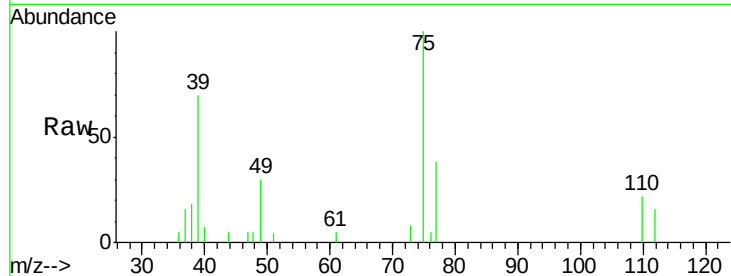
Tot Ion: 75 Resp: 18327

Ion Ratio Lower Upper

75 100

77 37.6 24.4 36.6#

39 70.4 54.7 82.1



#55

1,1,2-Trichloroethane

Concen: 2.457 ug/l

RT: 9.44 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Tgt Ion: 97 Resp: 11664

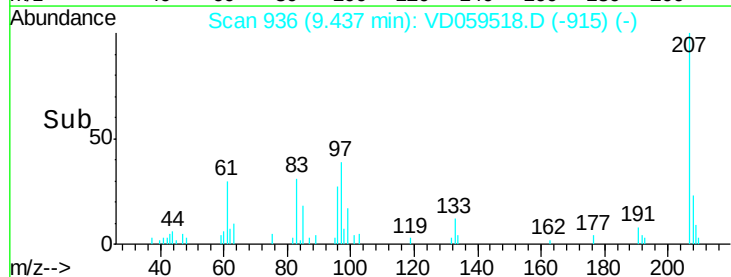
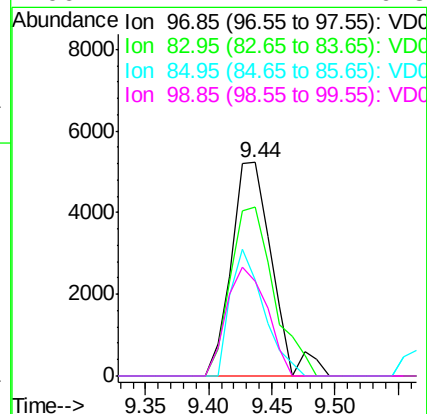
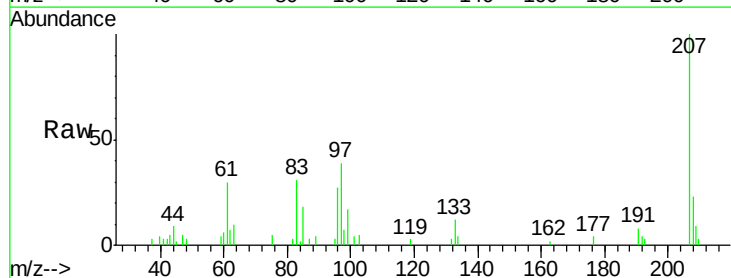
Ion Ratio Lower Upper

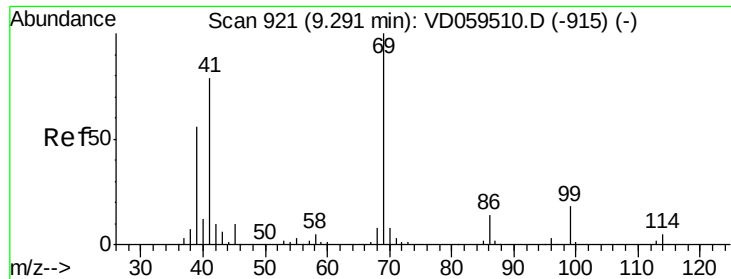
97 100

83 79.0 74.3 111.5

85 45.1 48.1 72.1#

99 44.2 47.2 70.8#





#56

Ethyl methacrylate

Concen: 1.791 ug/l

RT: 9.29 min Scan# 921

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

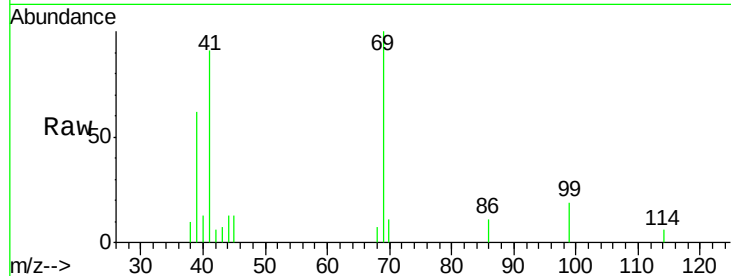
Tot Ion: 69 Resp: 10652

Ion Ratio Lower Upper

69 100

41 91.0 63.4 95.0

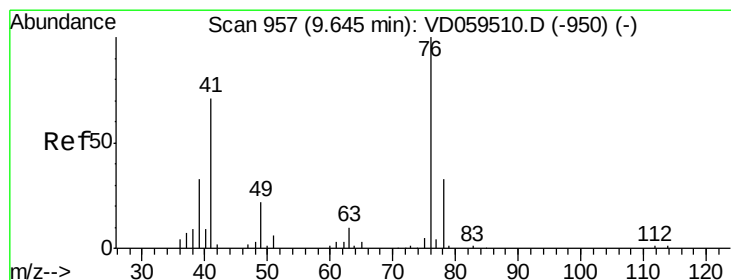
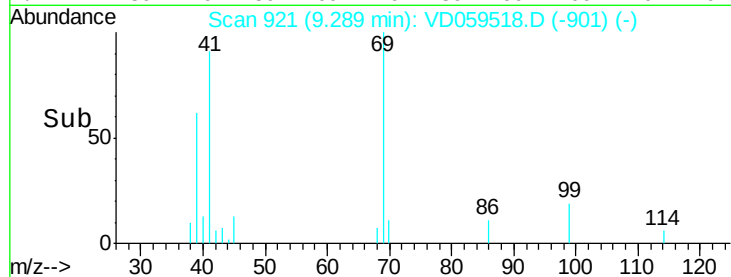
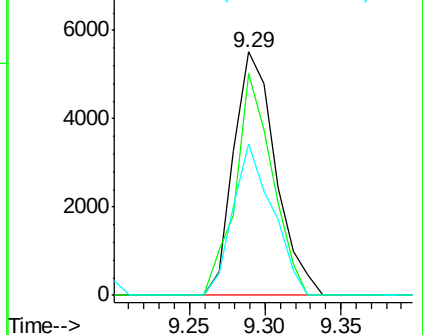
39 62.4 45.0 67.6



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 2.179 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059518.D

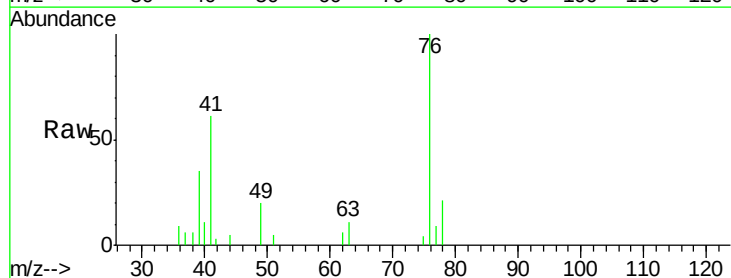
Acq: 2 Jul 2018 23:18

Tgt Ion: 76 Resp: 18632

Ion Ratio Lower Upper

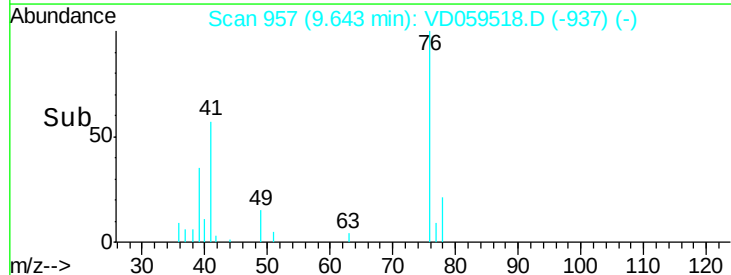
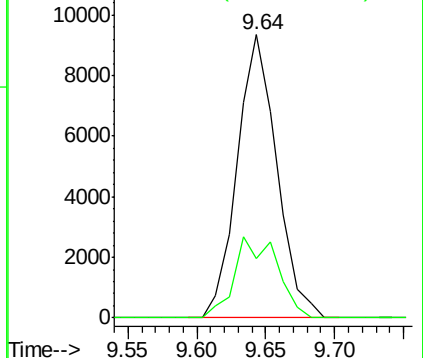
76 100

78 20.9 26.5 39.7#

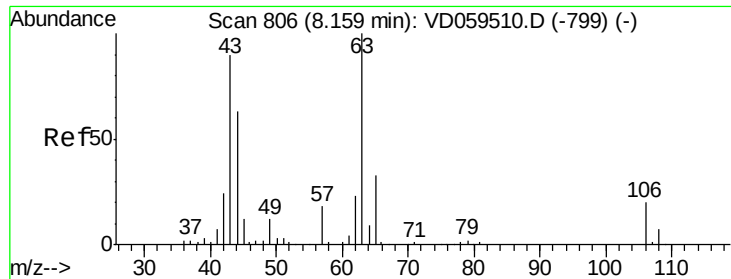


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC







#58

2-Chloroethyl Vinyl ether

Concen: 10.976 ug/l

RT: 8.17 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

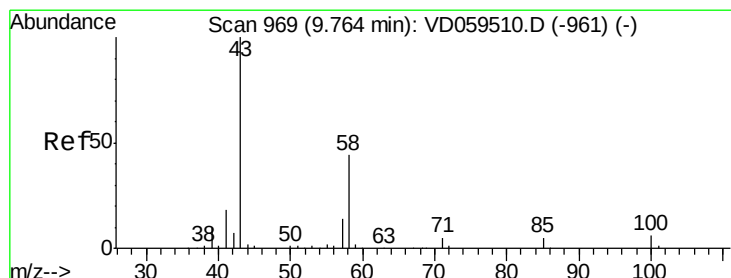
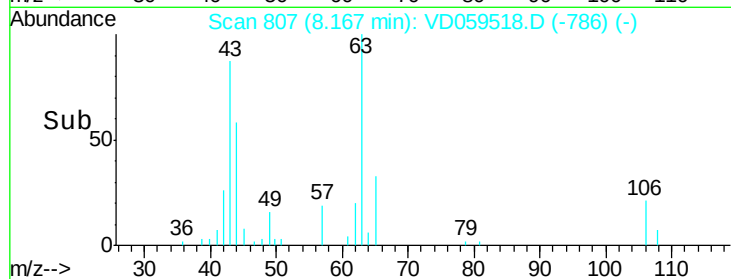
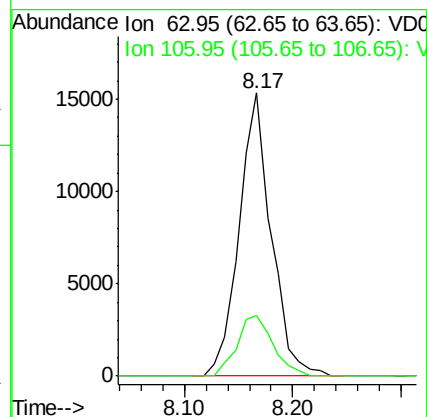
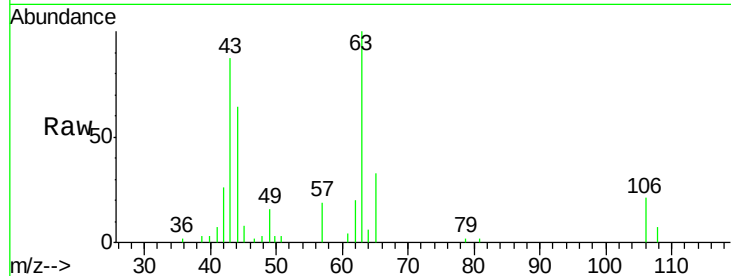
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 63 Resp: 31574

Ion Ratio Lower Upper

63 100

106 21.3 16.4 24.6



#59

2-Hexanone

Concen: 11.145 ug/l

RT: 9.77 min Scan# 970

Delta R.T. 0.01 min

Lab File: VD059518.D

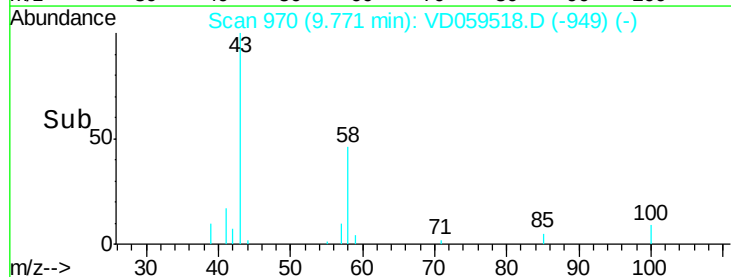
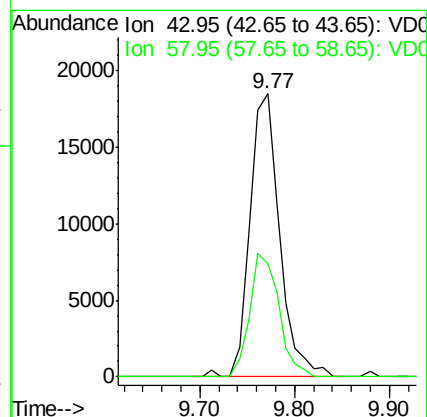
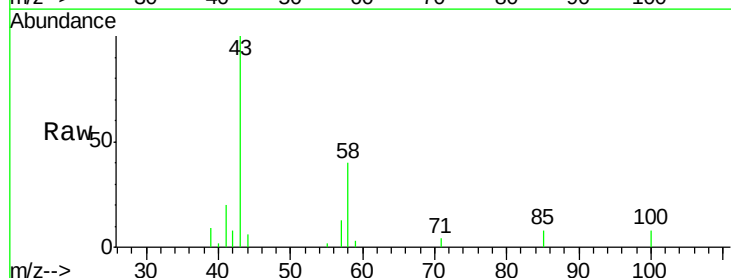
Acq: 2 Jul 2018 23:18

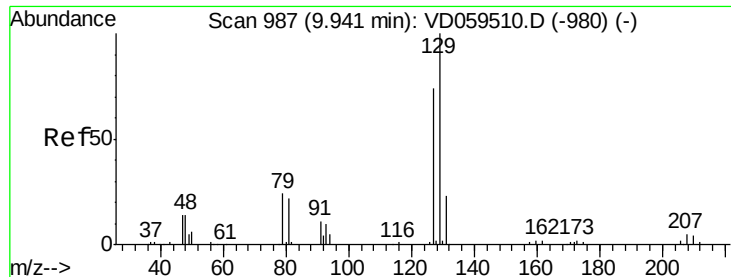
Tgt Ion: 43 Resp: 40145

Ion Ratio Lower Upper

43 100

58 39.9 22.0 66.0





#60

Dibromochloromethane

Concen: 1.914 ug/l

RT: 9.94 min Scan# 987

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

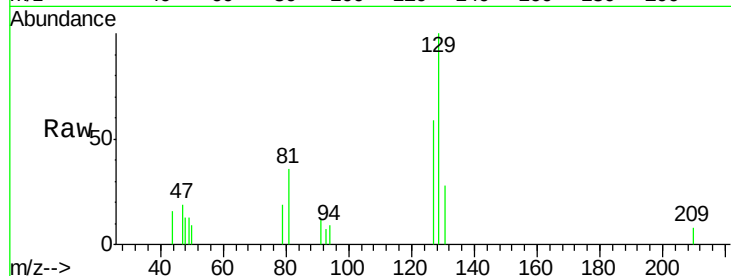
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:129 Resp: 12678

Ion Ratio Lower Upper

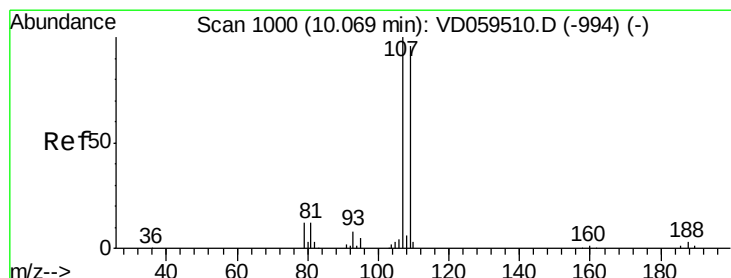
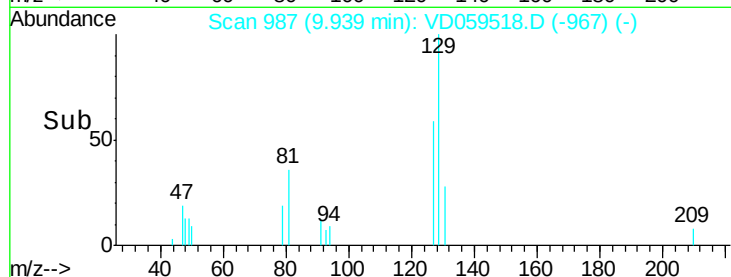
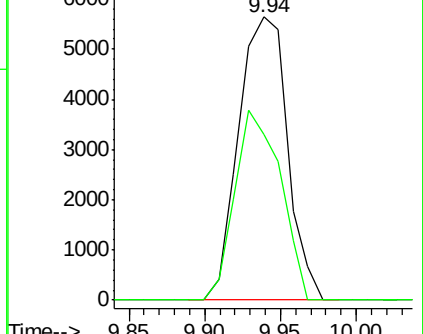
129 100

127 58.7 37.2 111.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.809 ug/l

RT: 10.07 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VD059518.D

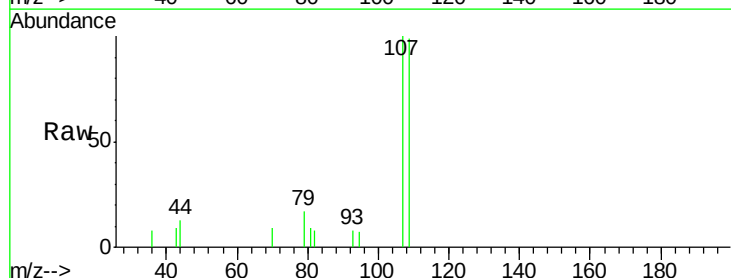
Acq: 2 Jul 2018 23:18

Tgt Ion:107 Resp: 9506

Ion Ratio Lower Upper

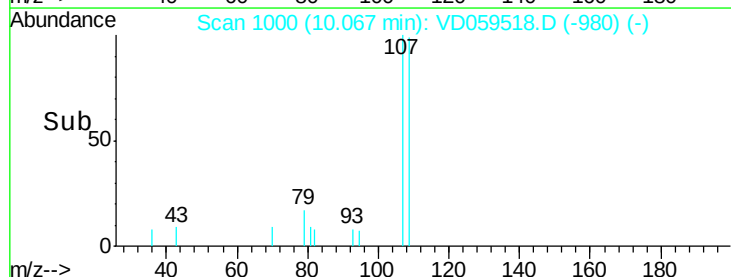
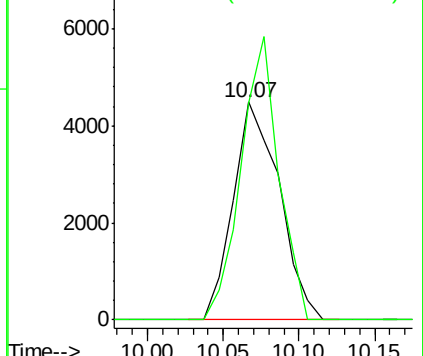
107 100

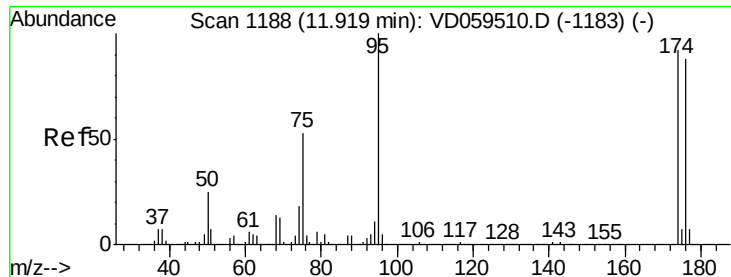
109 99.2 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 1.809 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

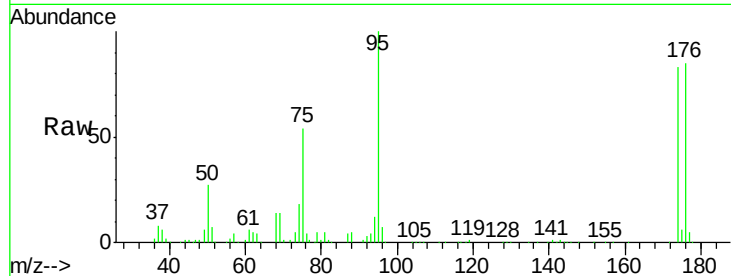
Tot Ion: 95 Resp: 410365

Ion Ratio Lower Upper

95 100

174 82.8 0.0 183.0

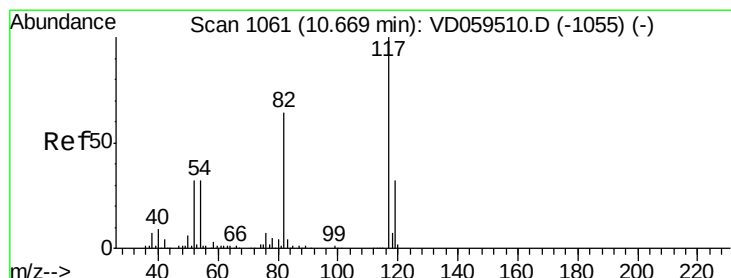
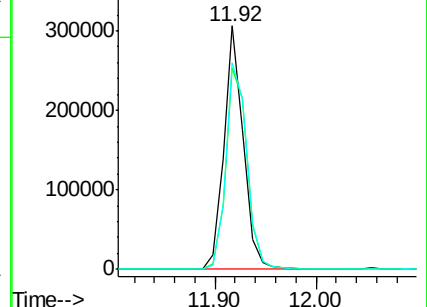
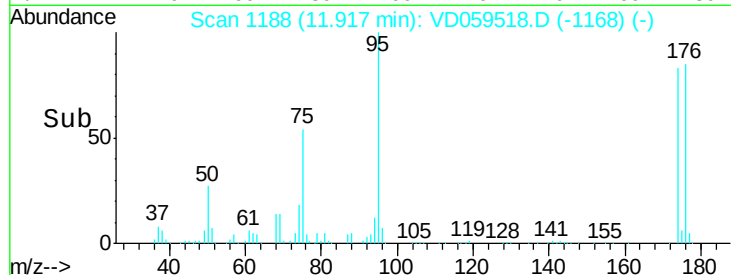
176 85.0 0.0 176.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.67 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

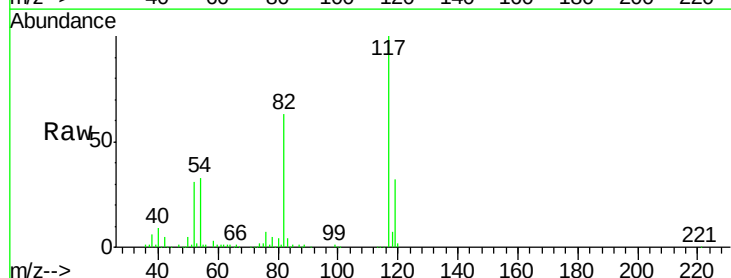
Tgt Ion: 117 Resp: 773731

Ion Ratio Lower Upper

117 100

82 63.4 51.1 76.7

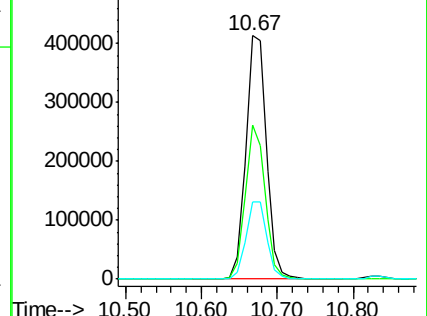
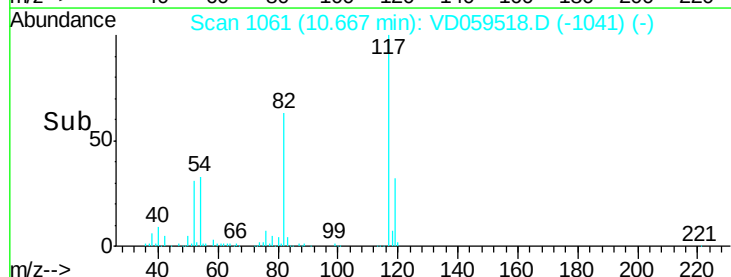
119 31.7 25.6 38.4

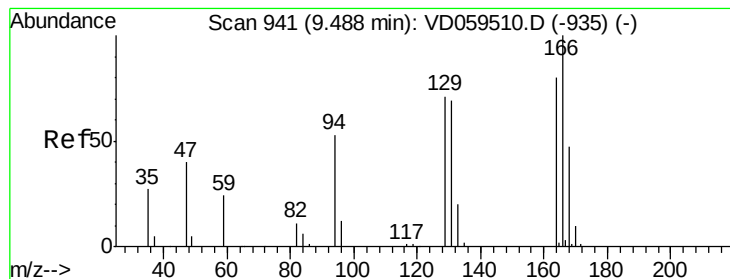


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 2.398 ug/l

RT: 9.49 min Scan# 941

Delta R.T. -0.00 min

Lab File: VD059518.D

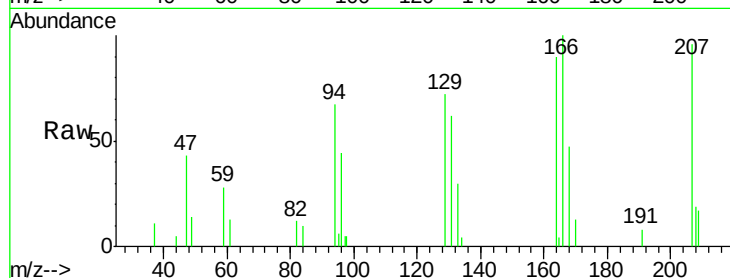
Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018



Tot Ion:164 Resp: 15959

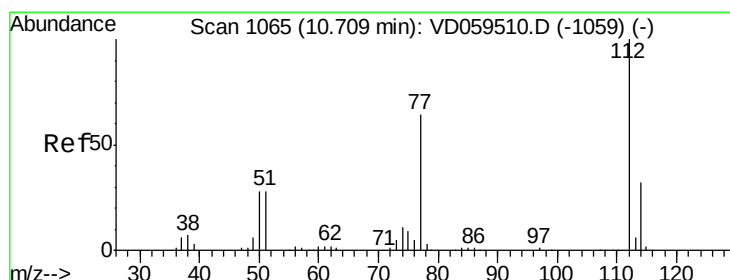
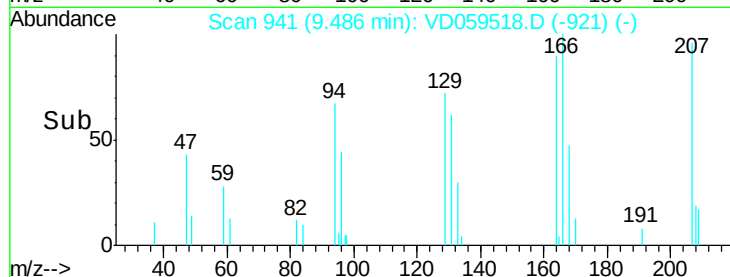
Ion Ratio Lower Upper

164 100

166 111.0 99.5 149.3

129 80.5 70.9 106.3

131 69.2 68.8 103.2



#65

Chlorobenzene

Concen: 2.278 ug/l

RT: 10.71 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VD059518.D

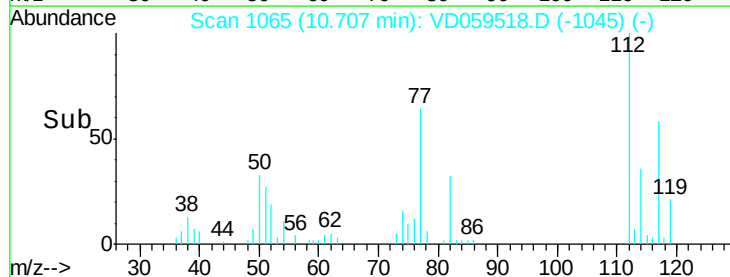
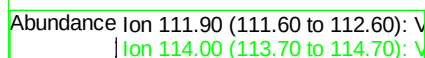
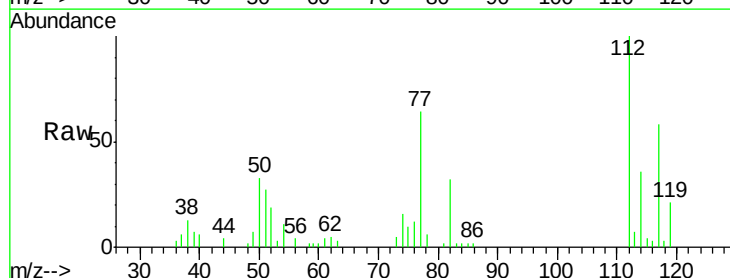
Acq: 2 Jul 2018 23:18

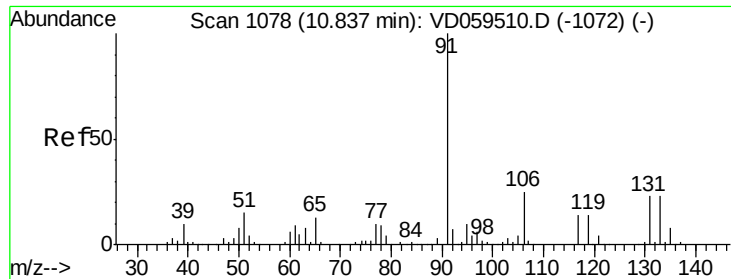
Tgt Ion:112 Resp: 33957

Ion Ratio Lower Upper

112 100

114 36.2 25.4 38.2

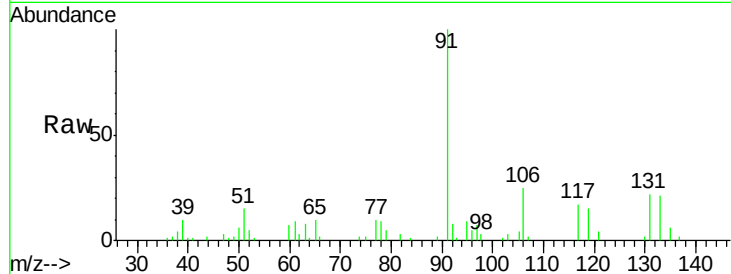




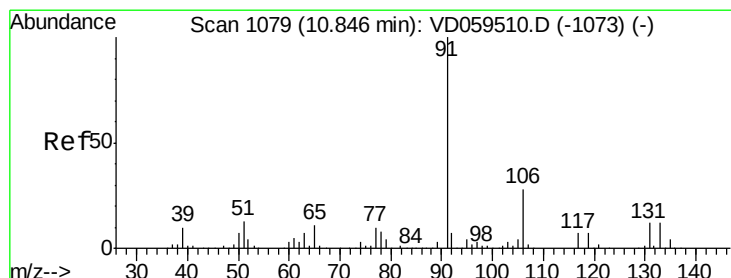
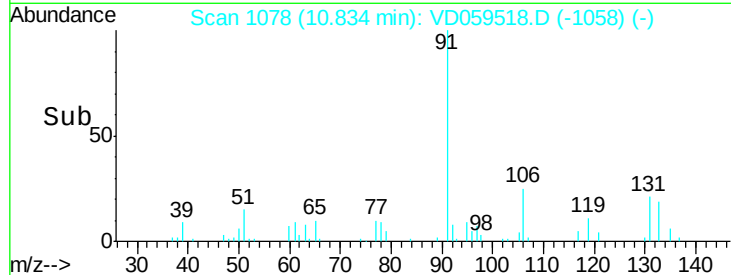
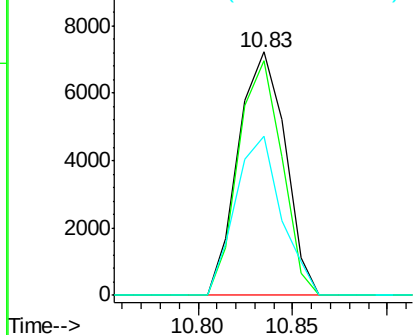
#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 2.051 ug/l  
 RT: 10.83 min Scan# 1078  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Tot Ion:131 Resp: 12448  
 Ion Ratio Lower Upper  
 131 100  
 133 96.2 48.9 146.6  
 119 65.2 30.7 92.1

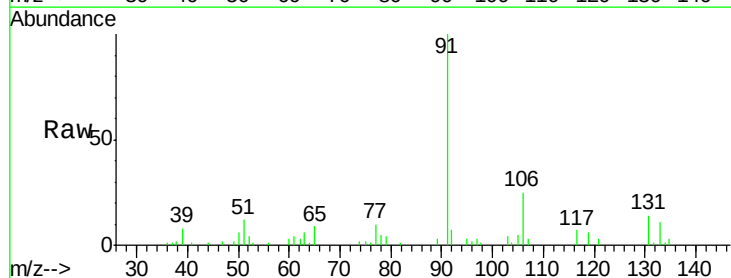


Abundance Ion 130.90 (130.60 to 131.60): V  
 Ion 132.90 (132.60 to 133.60): V  
 Ion 118.85 (118.55 to 119.55): V

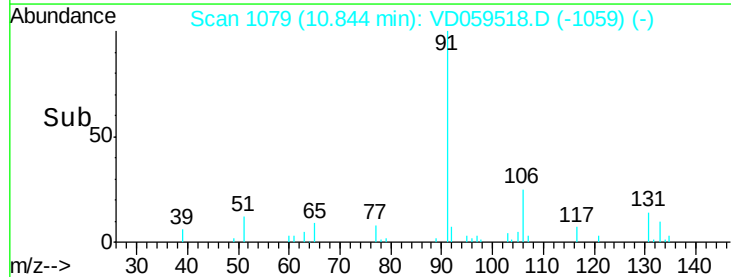
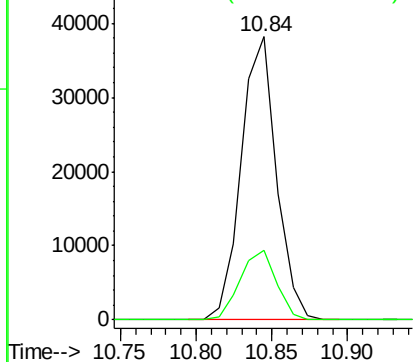


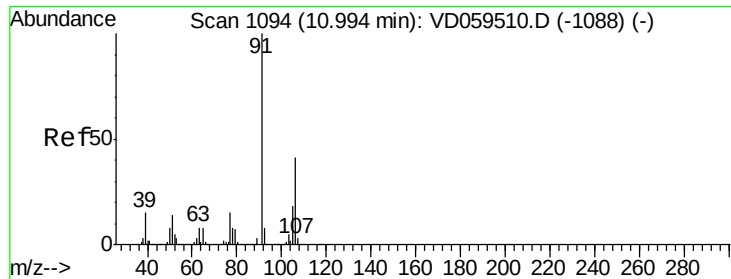
#67  
 Ethyl Benzene  
 Concen: 2.341 ug/l  
 RT: 10.84 min Scan# 1079  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 91 Resp: 61873  
 Ion Ratio Lower Upper  
 91 100  
 106 24.5 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): VDC  
 Ion 106.05 (105.75 to 106.75): V

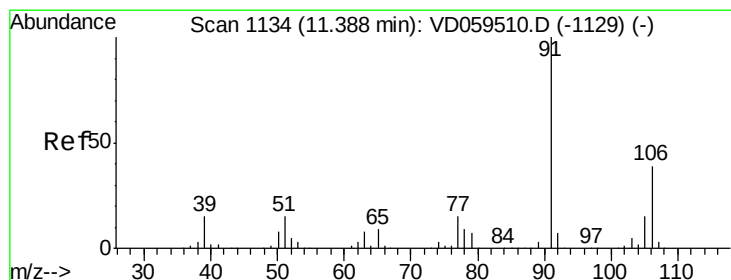
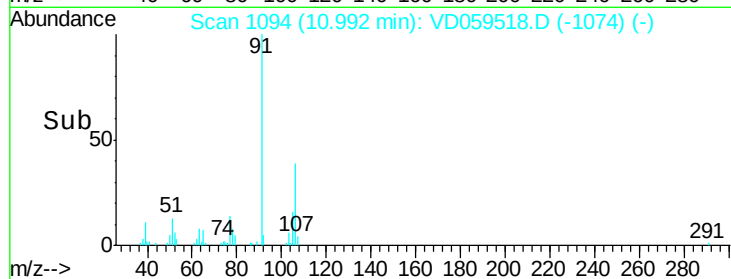
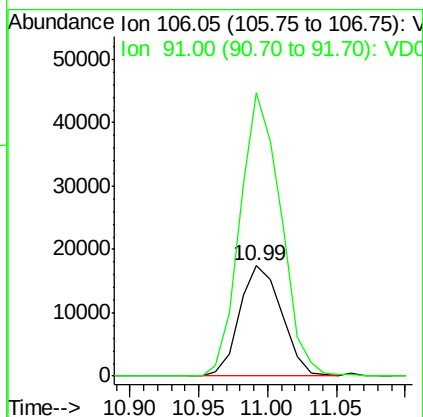
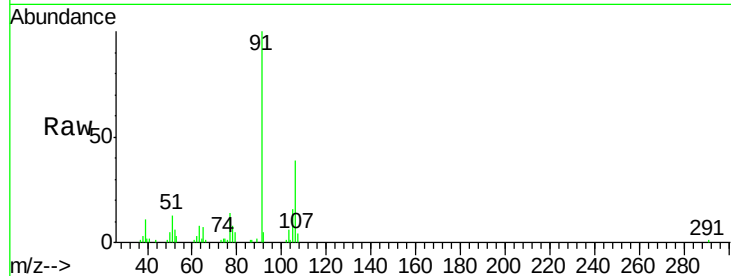




#68  
m/p-Xylenes  
Concen: 4.271 ug/l  
RT: 10.99 min Scan# 1094  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

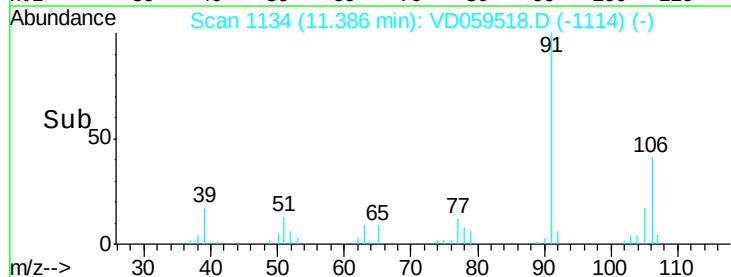
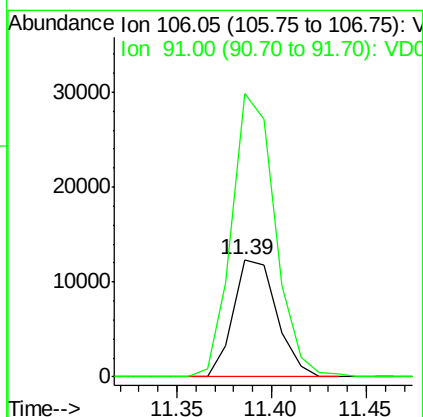
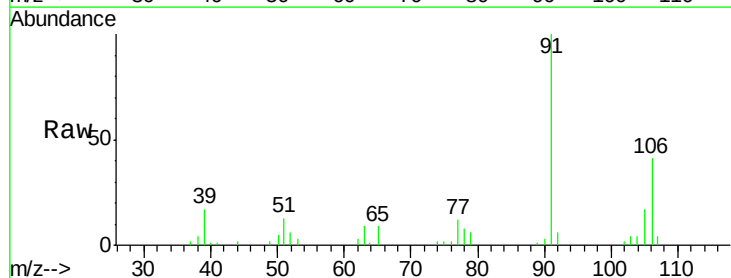
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

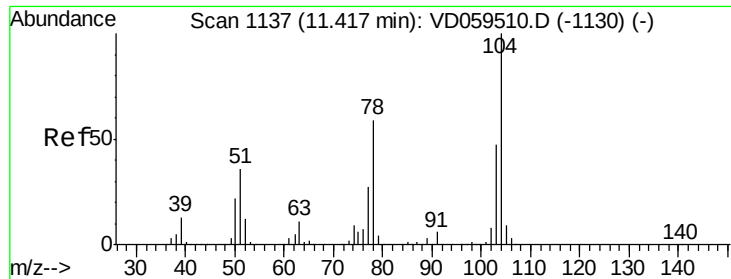
Tot Ion:106 Resp: 37243  
Ion Ratio Lower Upper  
106 100  
91 256.1 194.1 291.1



#69  
o-Xylene  
Concen: 2.330 ug/l  
RT: 11.39 min Scan# 1134  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion:106 Resp: 19579  
Ion Ratio Lower Upper  
106 100  
91 241.5 127.0 381.0

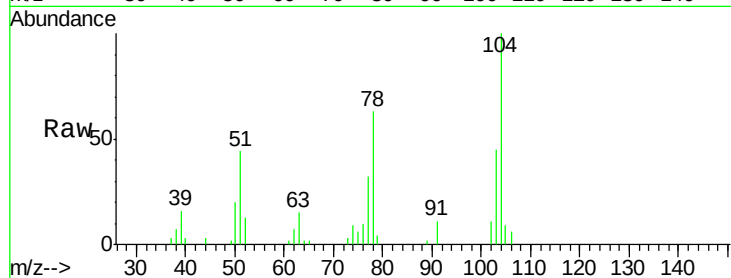




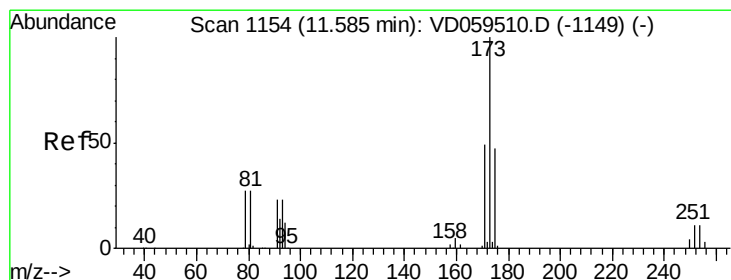
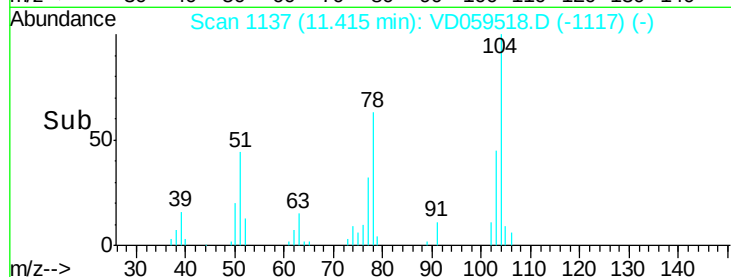
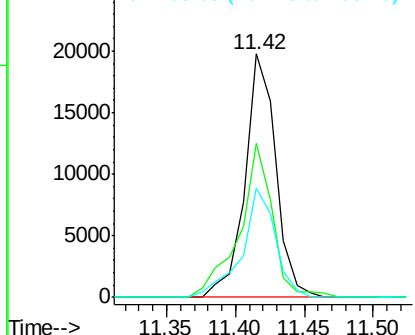
#70  
Stvrene  
Concen: 2.196 ug/l  
RT: 11.42 min Scan# 1137  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:104 Resp: 30929  
Ion Ratio Lower Upper  
104 100  
78 63.2 47.6 71.4  
103 44.8 37.6 56.4

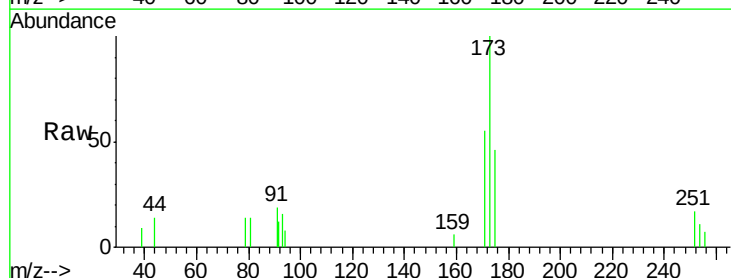


Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V

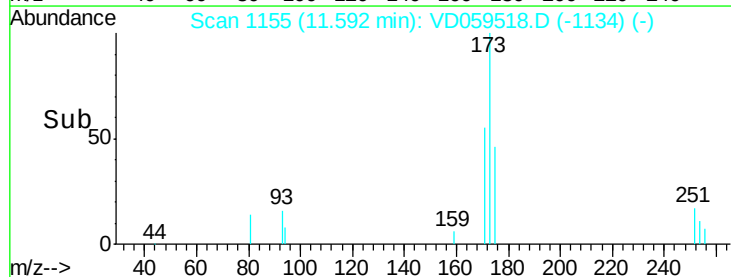
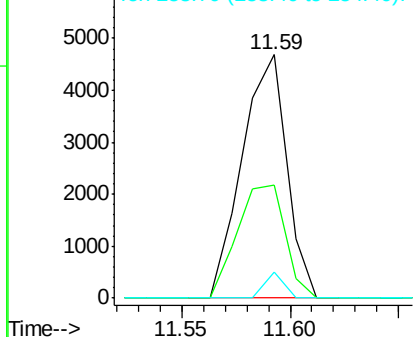


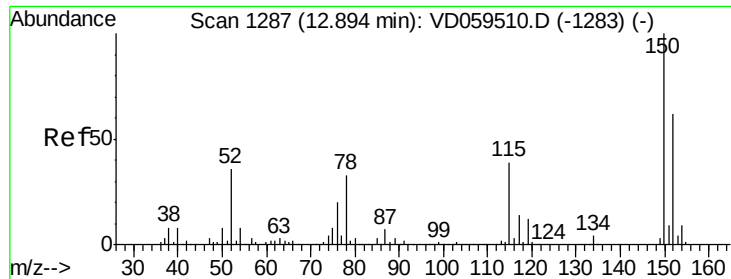
#71  
Bromoform  
Concen: 1.461 ug/l  
RT: 11.59 min Scan# 1155  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion:173 Resp: 6695  
Ion Ratio Lower Upper  
173 100  
175 46.3 23.3 69.8  
254 10.7 9.0 13.6



Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V



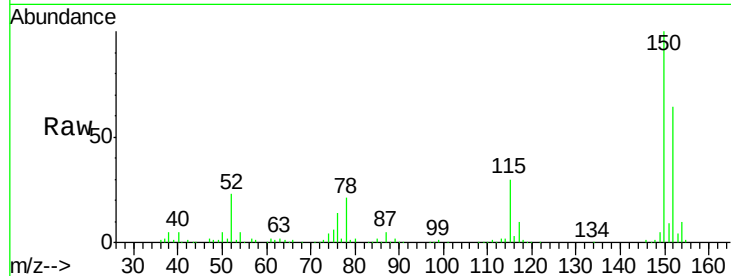


#72

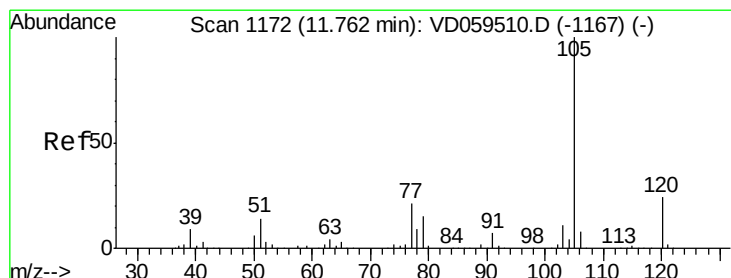
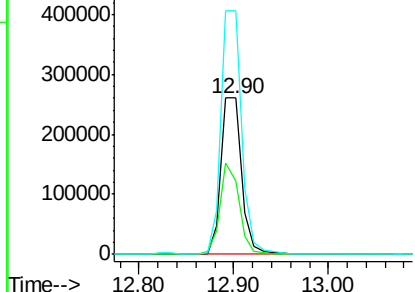
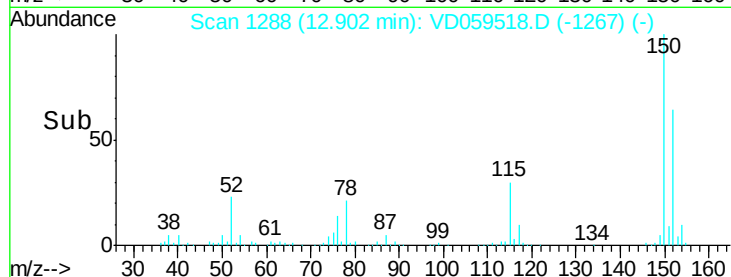
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.90 min Scan# 1288  
Delta R.T. 0.01 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:152 Resp: 393373  
Ion Ratio Lower Upper  
152 100  
115 47.2 31.3 93.9  
150 155.7 0.0 323.6



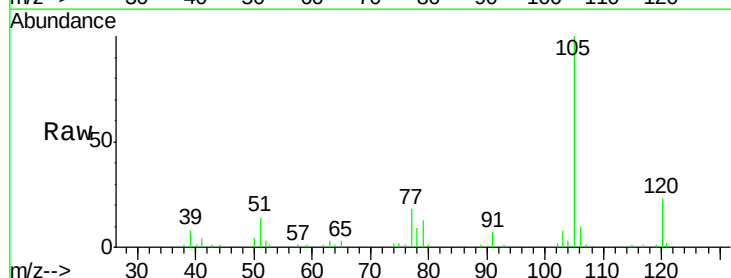
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V



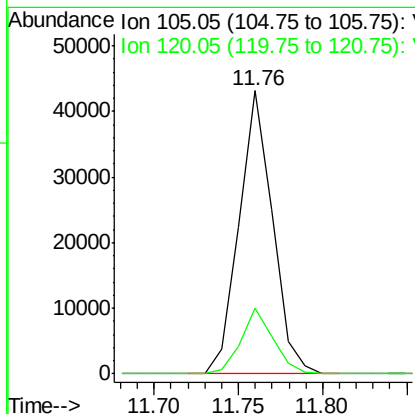
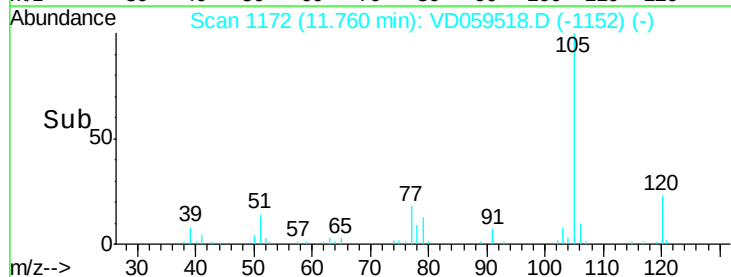
#73

Isopropylbenzene  
Concen: 2.528 ug/l  
RT: 11.76 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

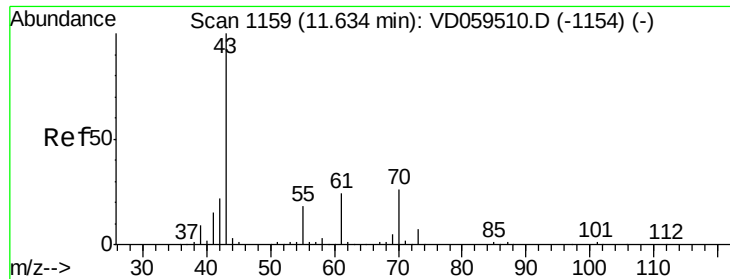
Tgt Ion:105 Resp: 59419  
Ion Ratio Lower Upper  
105 100  
120 23.3 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.05 (119.75 to 120.75): V







#74

N-amvl acetate

Concen: 2.074 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 43 Resp: 20578

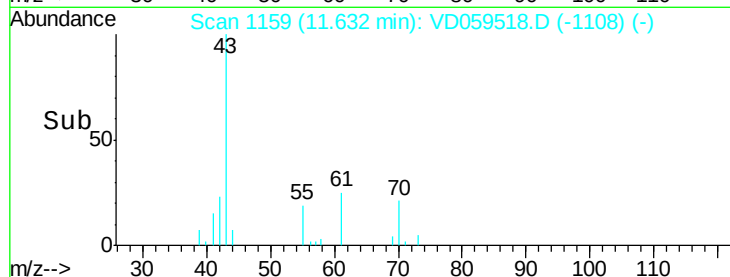
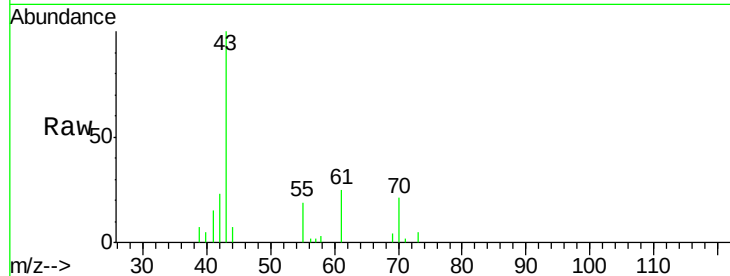
Ion Ratio Lower Upper

43 100

70 21.5 20.6 31.0

55 19.1 14.4 21.6

61 24.7 19.2 28.8

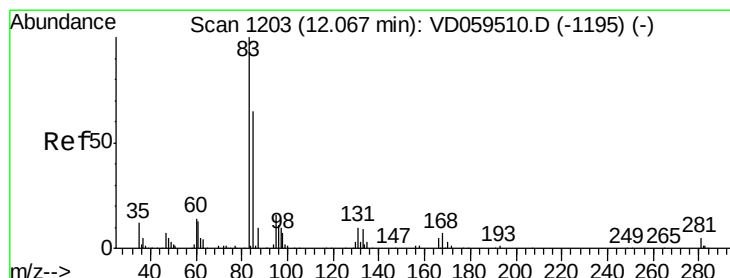
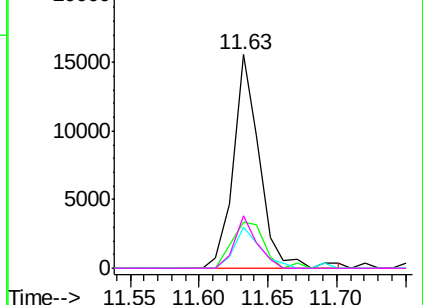


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 1.973 ug/l

RT: 12.07 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

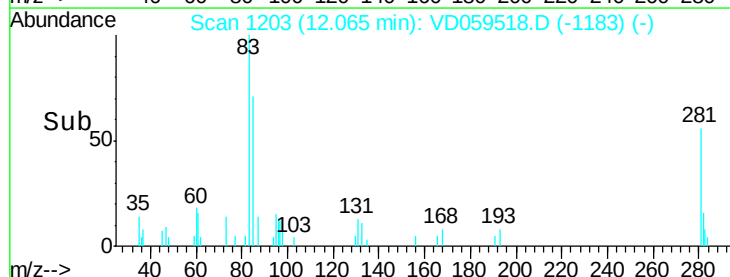
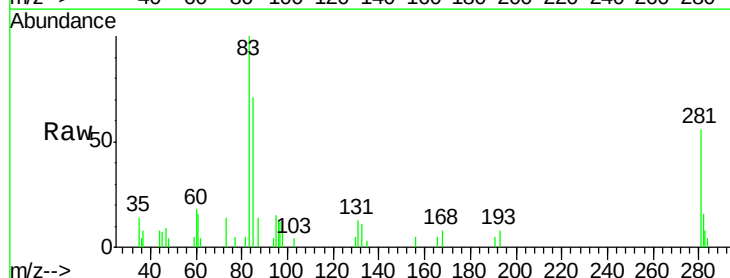
Tgt Ion: 83 Resp: 12017

Ion Ratio Lower Upper

83 100

131 12.8 5.0 15.0

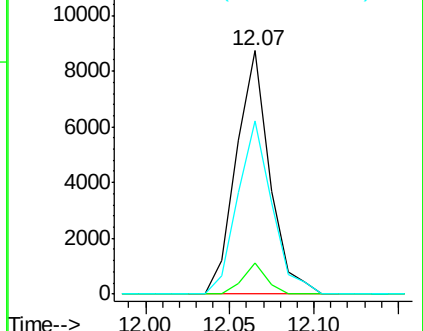
85 71.2 32.3 96.8

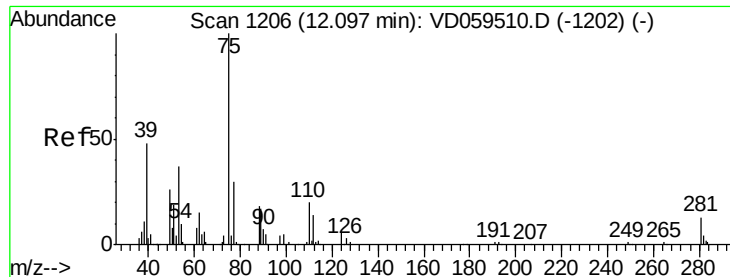


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

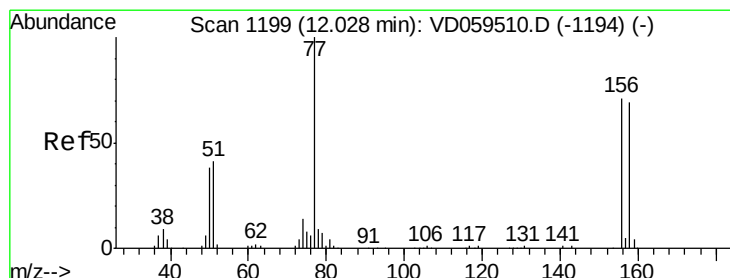
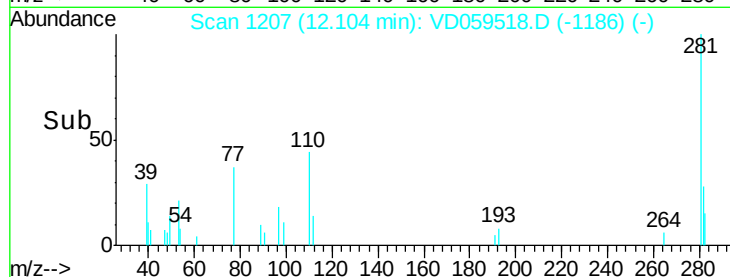
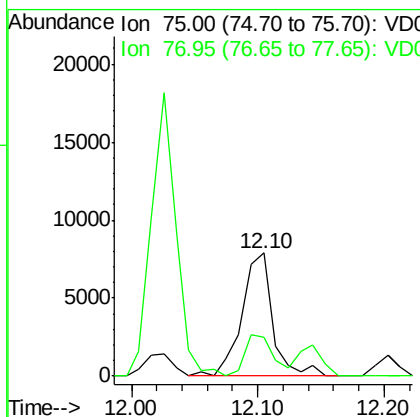
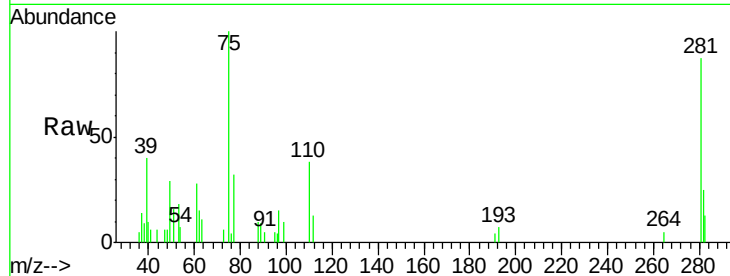




#76  
 1,2,3-Trichloropropane  
 Concen: 2.108 ug/l  
 RT: 12.10 min Scan# 1207  
 Delta R.T. 0.01 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

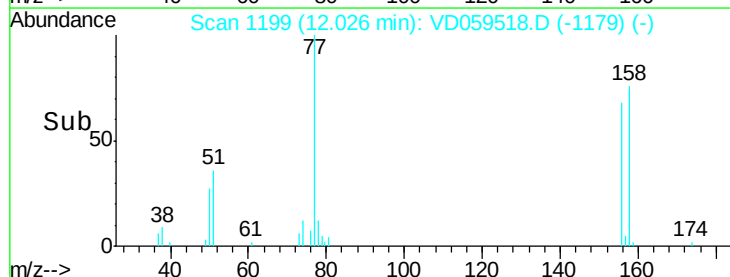
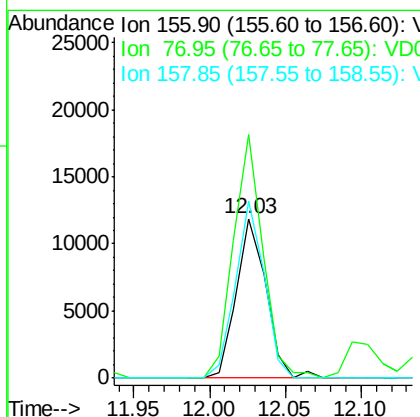
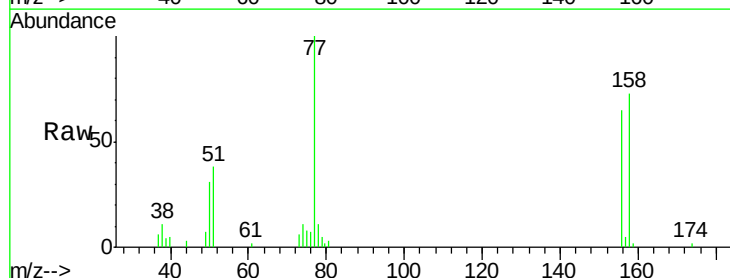
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

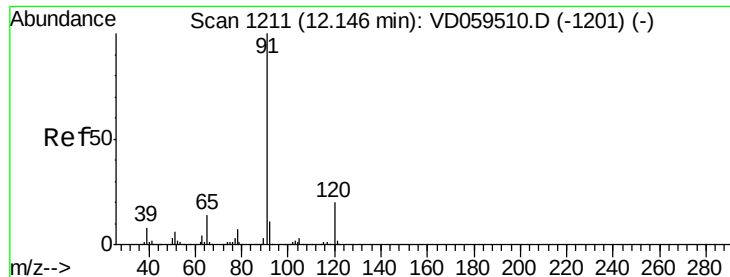
Tot Ion: 75 Resp: 13380  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 16.4 49.2



#77  
 Bromobenzene  
 Concen: 2.190 ug/l  
 RT: 12.03 min Scan# 1199  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

Tgt Ion: 156 Resp: 16161  
 Ion Ratio Lower Upper  
 156 100  
 77 152.9 70.0 210.0  
 158 111.6 48.3 144.9





#78

n-propylbenzene

Concen: 2.232 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

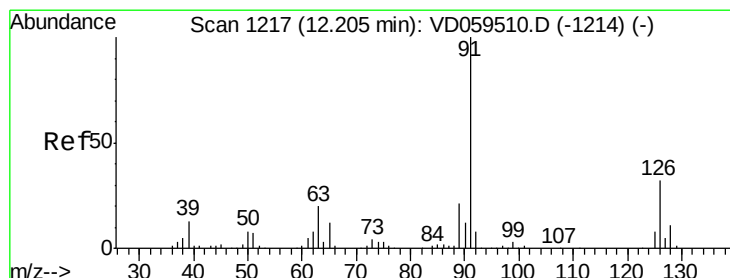
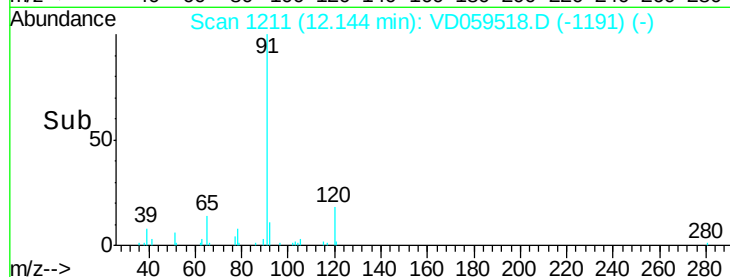
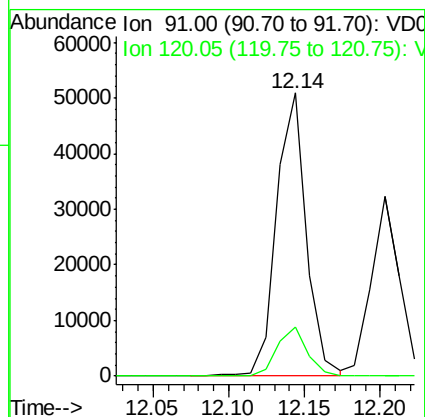
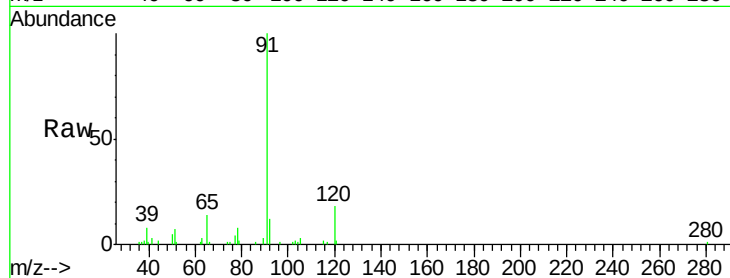
LOD-MDL-SOIL-01-QT3-2018

Tot Ion: 91 Resp: 70271

Ion Ratio Lower Upper

91 100

120 17.5 10.0 29.8



#79

2-Chlorotoluene

Concen: 2.294 ug/l

RT: 12.20 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD059518.D

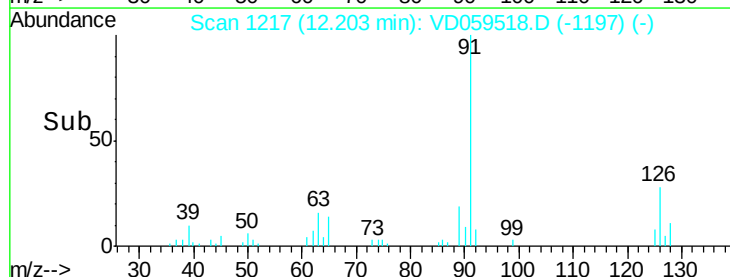
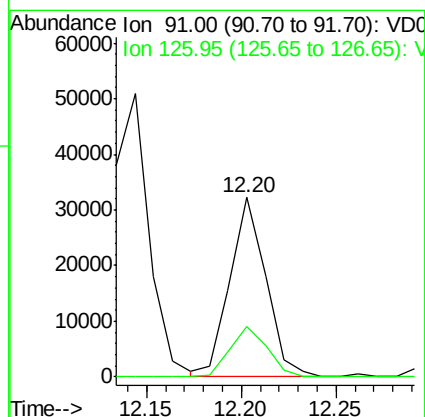
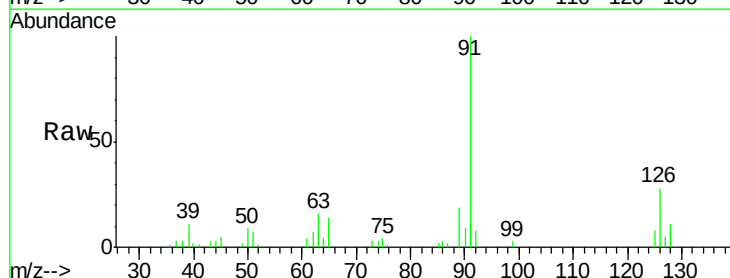
Acq: 2 Jul 2018 23:18

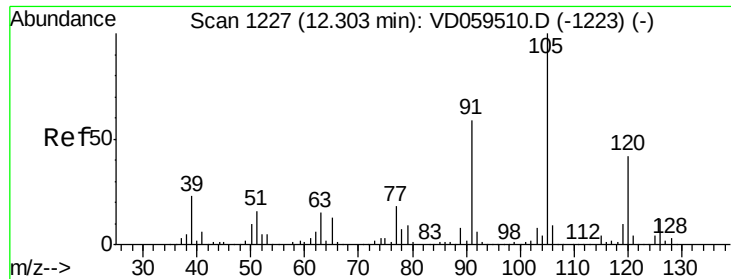
Tgt Ion: 91 Resp: 42490

Ion Ratio Lower Upper

91 100

126 28.4 15.9 47.6





#80

1,3,5-Trimethylbenzene

Concen: 2.350 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

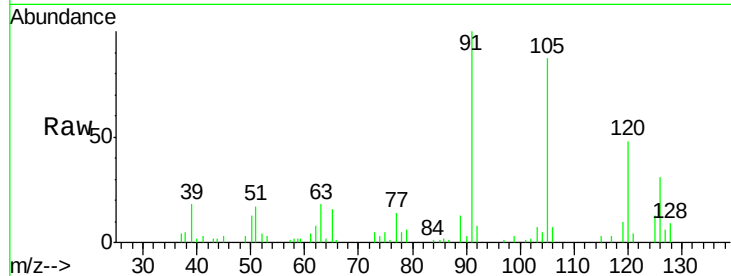
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:105 Resp: 44893

Ion Ratio Lower Upper

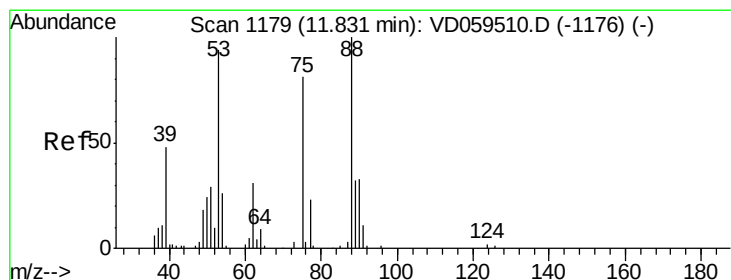
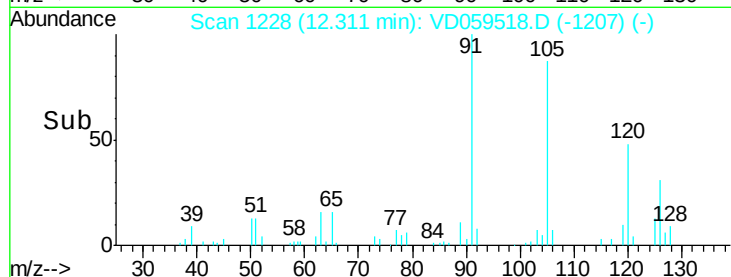
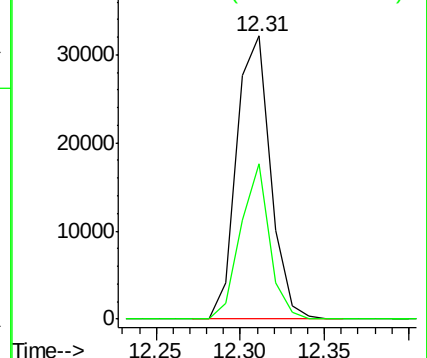
105 100

120 55.0 20.8 62.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#81

trans-1,4-Dichloro-2-butene

Concen: 125.918 ug/l

RT: 11.92 min Scan# 1188

Delta R.T. 0.09 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

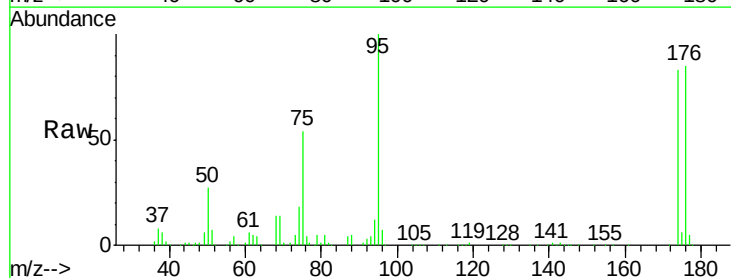
Tgt Ion: 75 Resp: 218588

Ion Ratio Lower Upper

75 100

53 0.0 92.6 139.0#

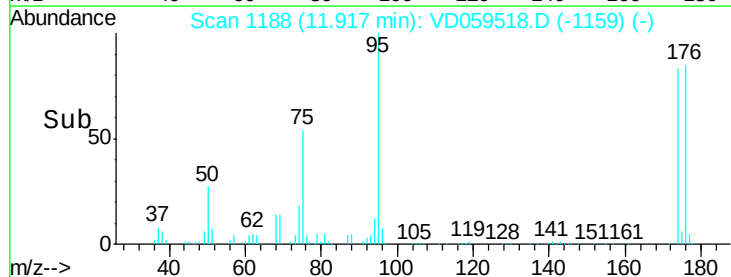
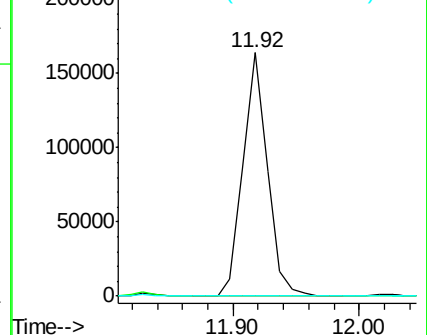
89 0.0 31.5 47.3#

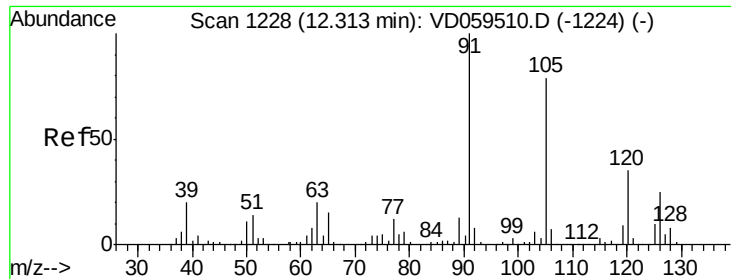


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

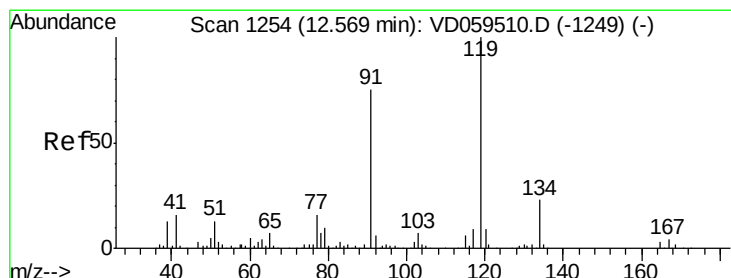
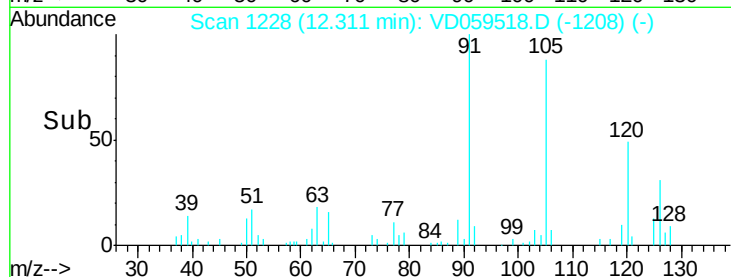
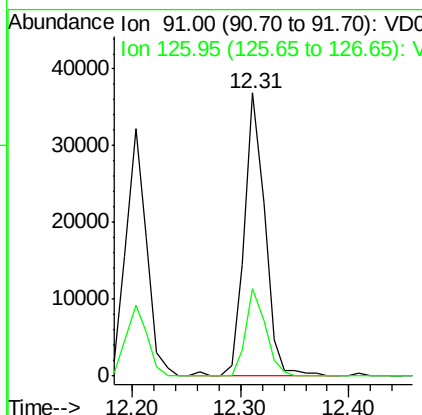
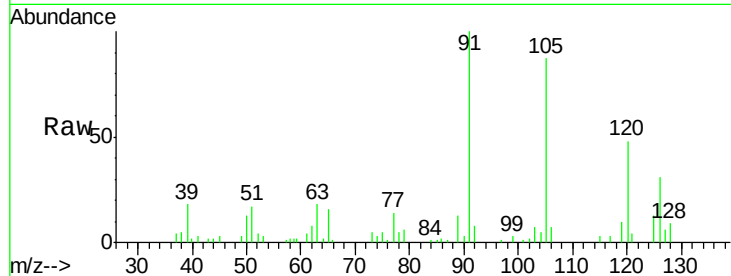




#82  
4-Chlorotoluene  
Concen: 2.334 ug/l  
RT: 12.31 min Scan# 1228  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

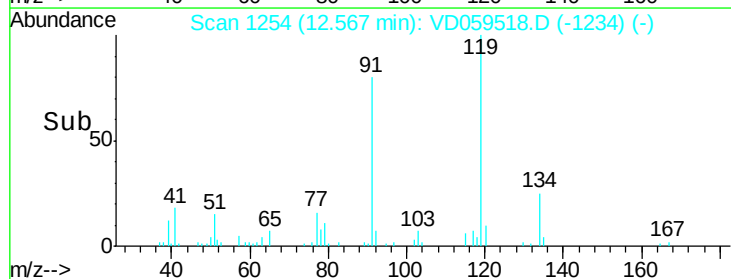
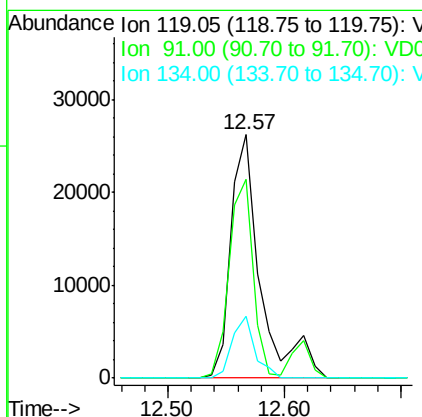
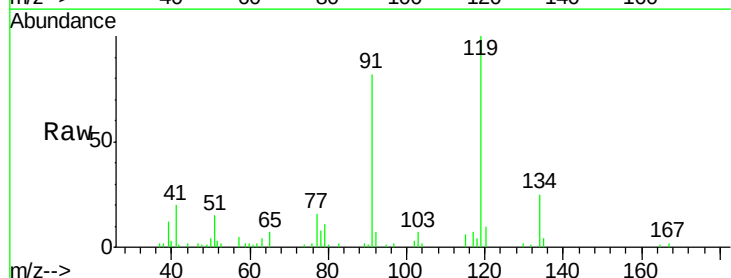
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2018

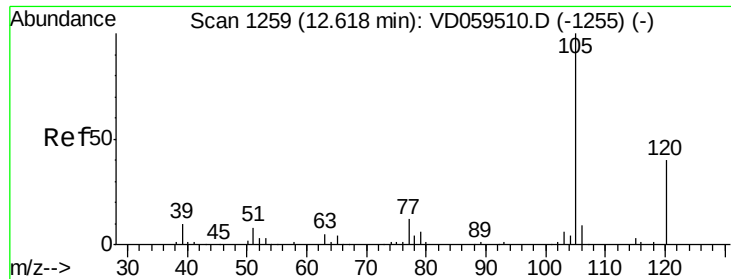
Tot Ion: 91 Resp: 48994  
Ion Ratio Lower Upper  
91 100  
126 30.8 12.3 36.9



#83  
tert-Butylbenzene  
Concen: 2.131 ug/l  
RT: 12.57 min Scan# 1254  
Delta R.T. -0.00 min  
Lab File: VD059518.D  
Acq: 2 Jul 2018 23:18

Tgt Ion: 119 Resp: 46320  
Ion Ratio Lower Upper  
119 100  
91 81.8 37.8 113.3  
134 25.2 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 2.254 ug/l

RT: 12.62 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

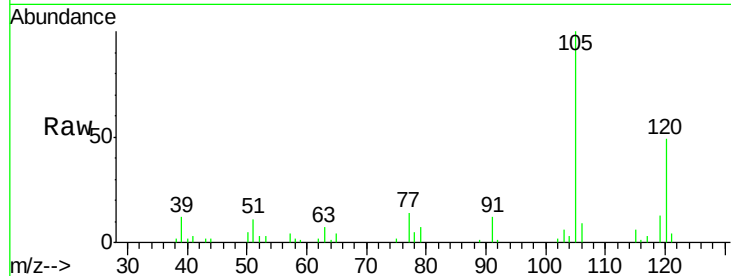
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:105 Resp: 46259

Ion Ratio Lower Upper

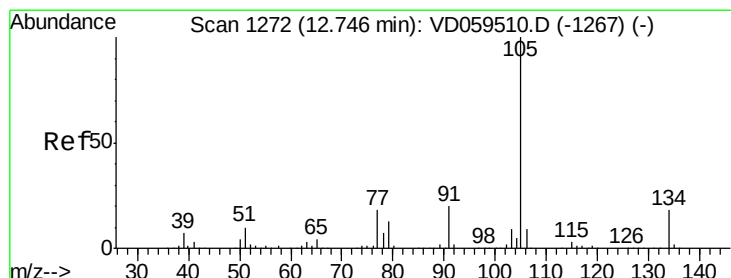
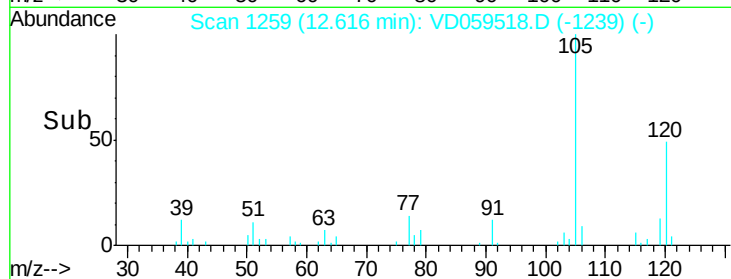
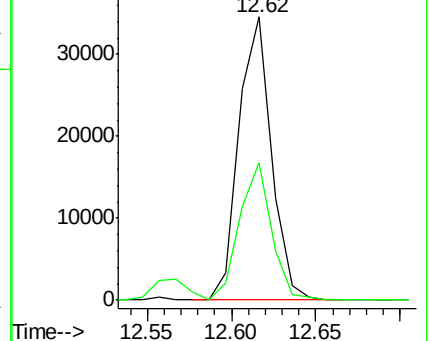
105 100

120 48.7 21.1 63.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#85

sec-Butylbenzene

Concen: 2.350 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD059518.D

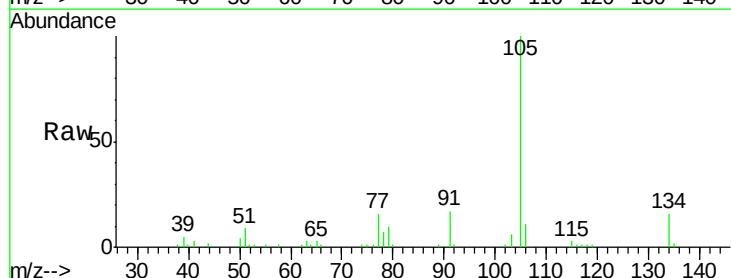
Acq: 2 Jul 2018 23:18

Tgt Ion:105 Resp: 58606

Ion Ratio Lower Upper

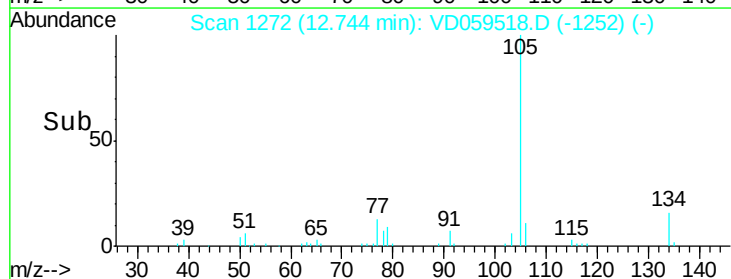
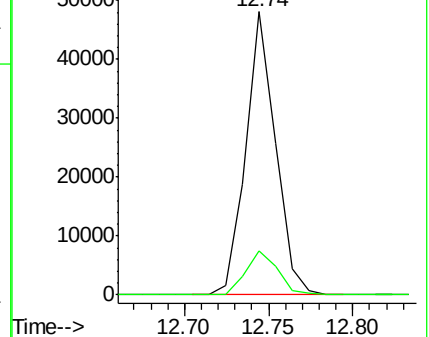
105 100

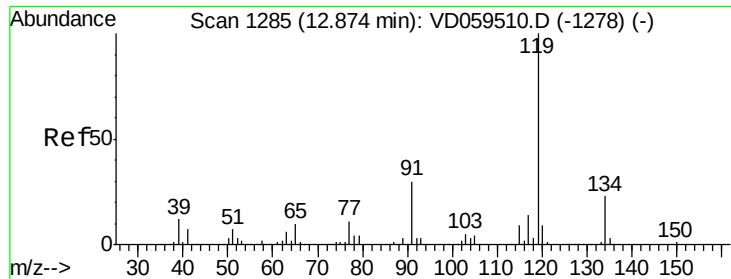
134 15.5 8.8 26.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

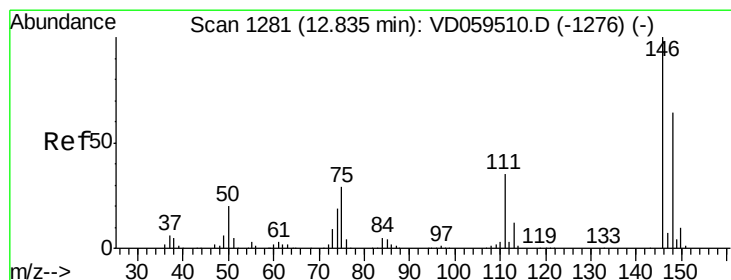
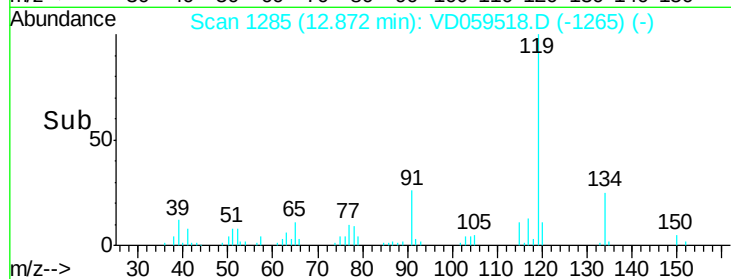
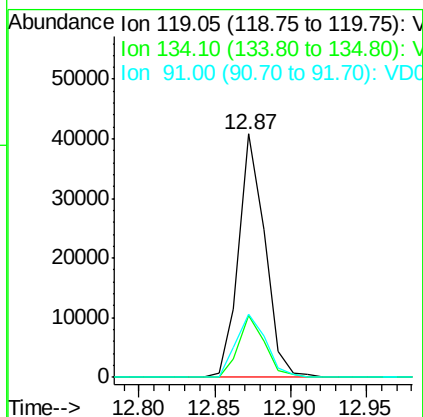
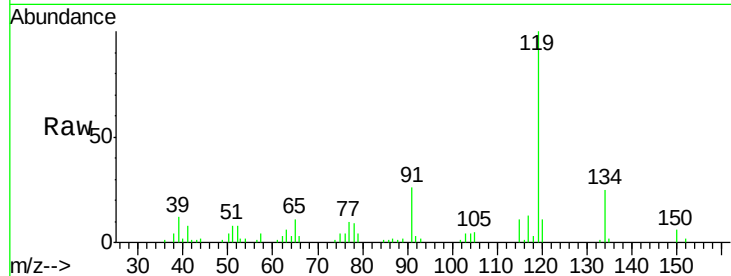




#86  
 p-Isopropyltoluene  
 Concen: 2.346 ug/l  
 RT: 12.87 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

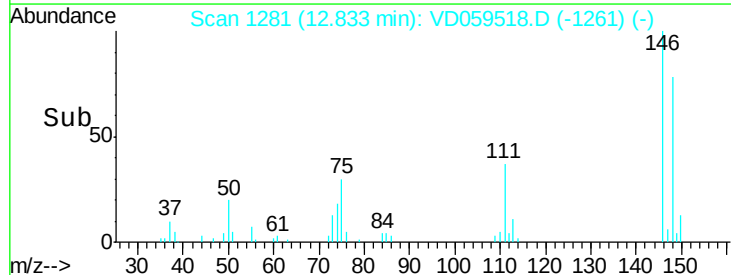
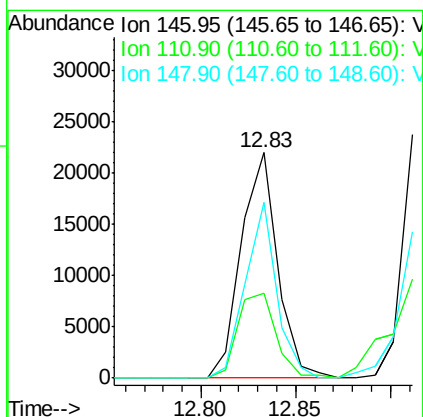
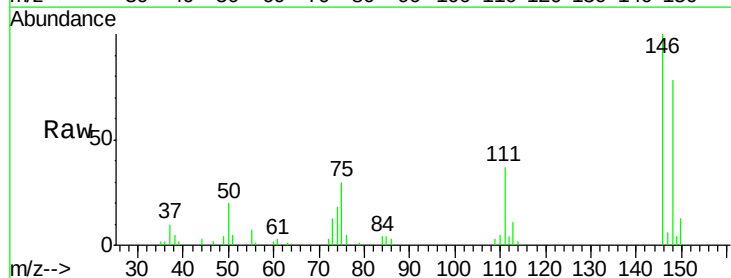
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

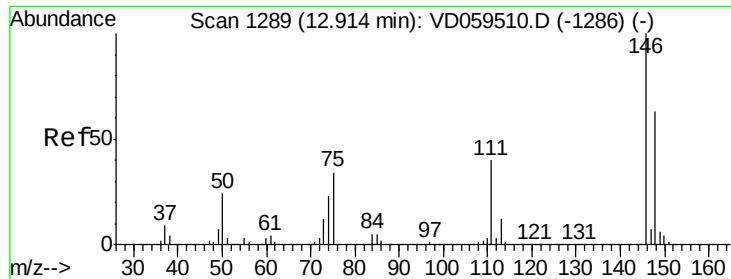
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.3  | 11.6  | 34.8  |
| 91      | 26.0  | 15.3  | 45.8  |



#87  
 1,3-Dichlorobenzene  
 Concen: 2.319 ug/l  
 RT: 12.83 min Scan# 1281  
 Delta R.T. -0.00 min  
 Lab File: VD059518.D  
 Acq: 2 Jul 2018 23:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 17.6  | 52.9  |
| 148     | 78.0  | 32.0  | 96.2  |





#88

1,4-Dichlorobenzene

Concen: 2.593 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

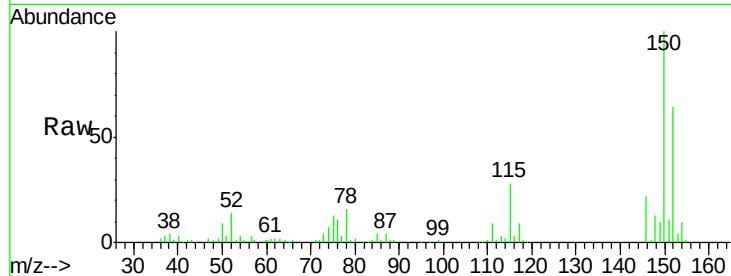
Tot Ion:146 Resp: 32159

Ion Ratio Lower Upper

146 100

111 40.6 20.0 59.9

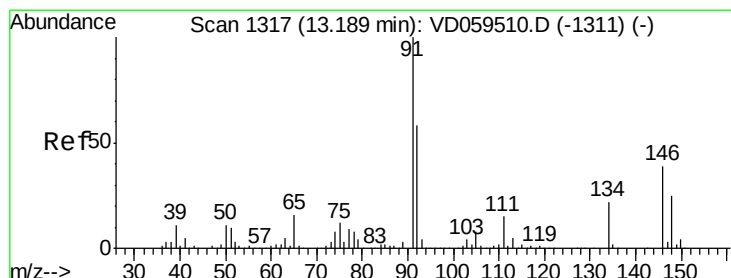
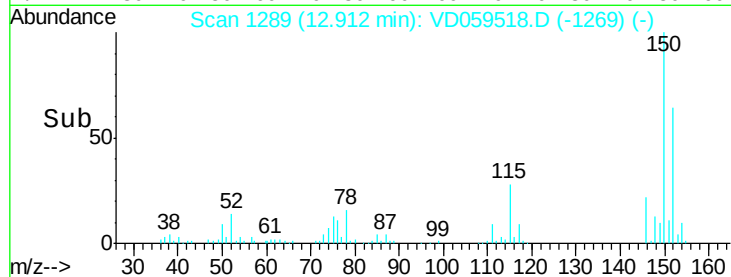
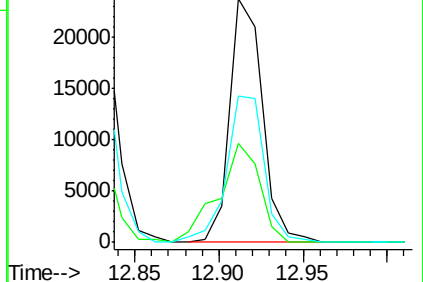
148 60.0 31.7 95.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.450 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

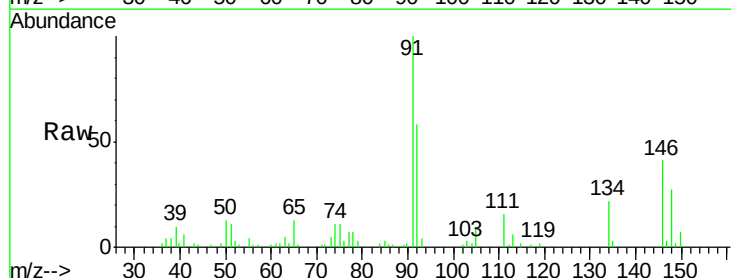
Tgt Ion: 91 Resp: 52279

Ion Ratio Lower Upper

91 100

92 57.9 28.9 86.7

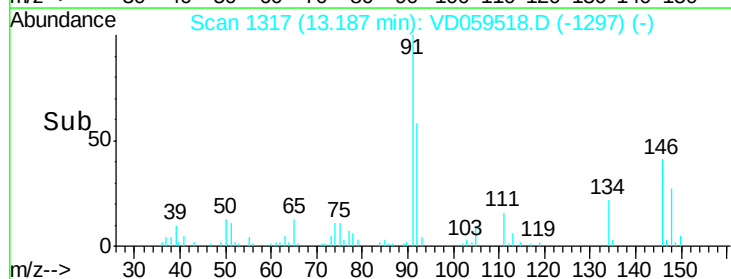
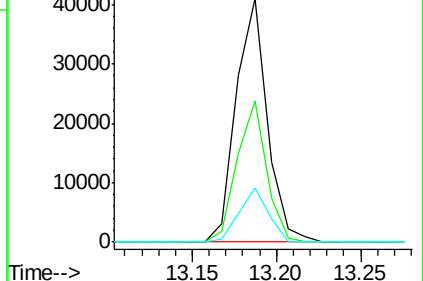
134 22.2 11.3 33.8



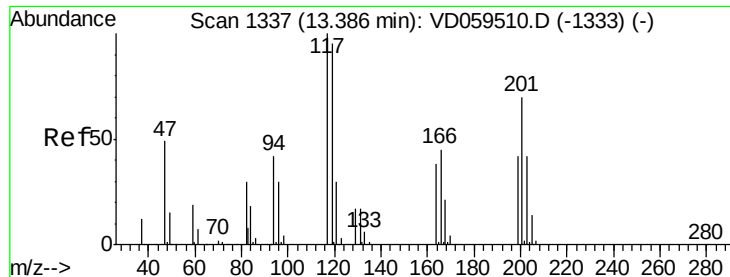
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V







#90

Hexachloroethane

Concen: 1.789 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. 0.01 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

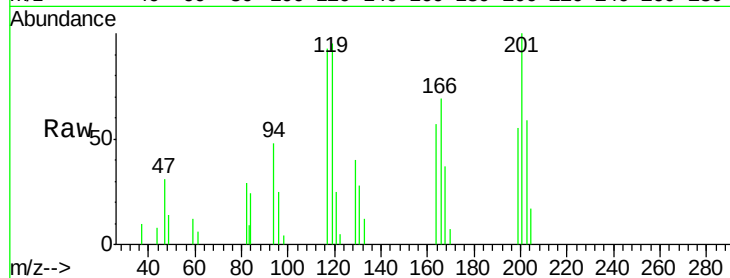
LOD-MDL-SOIL-01-QT3-2018

Tot Ion:117 Resp: 9697

Ion Ratio Lower Upper

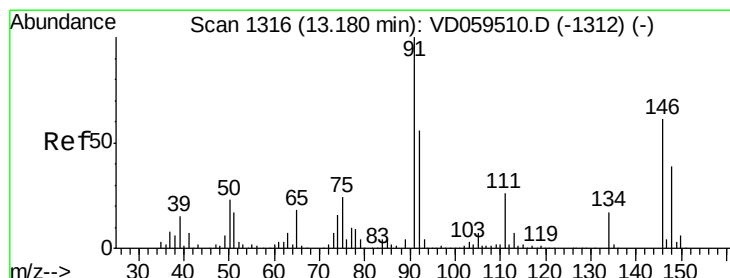
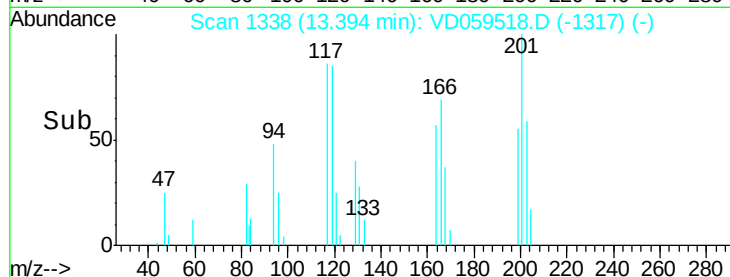
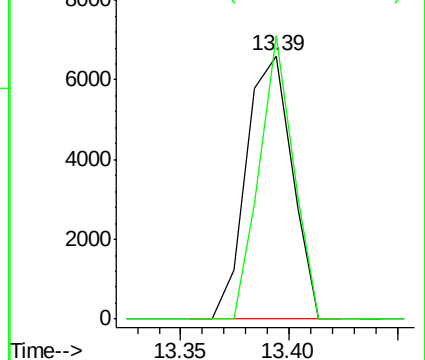
117 100

201 107.5 35.2 105.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 2.451 ug/l

RT: 13.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

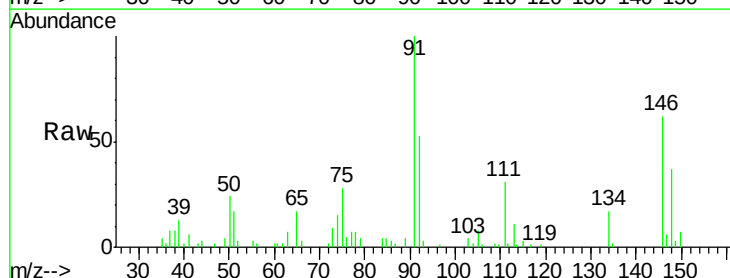
Tgt Ion:146 Resp: 26041

Ion Ratio Lower Upper

146 100

111 49.6 21.3 63.9

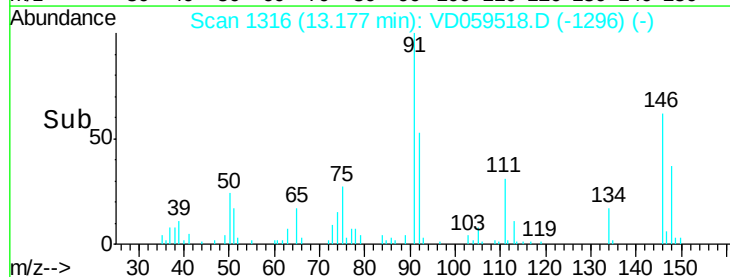
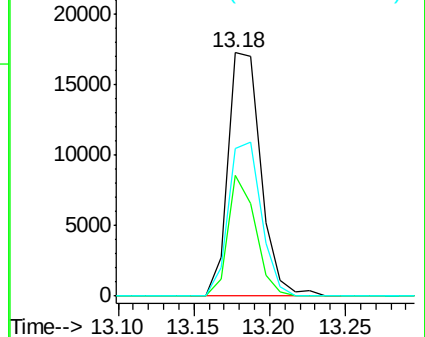
148 60.6 32.4 97.0

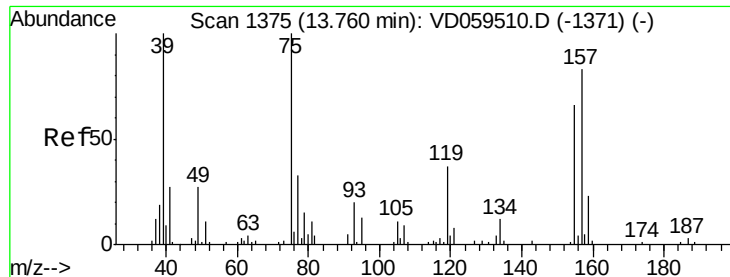


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.185 ug/l

RT: 13.76 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

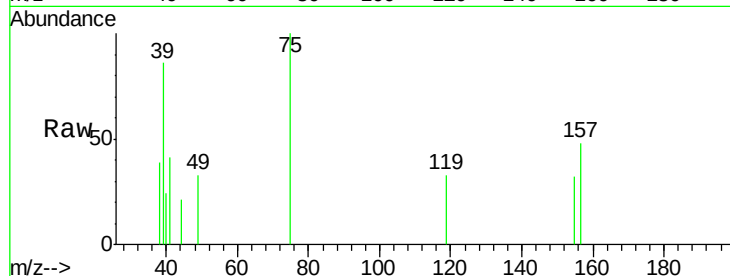
Tot Ion: 75 Resp: 2294

Ion Ratio Lower Upper

75 100

155 31.7 32.8 98.4#

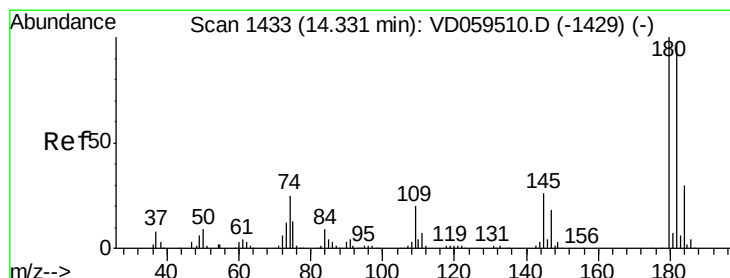
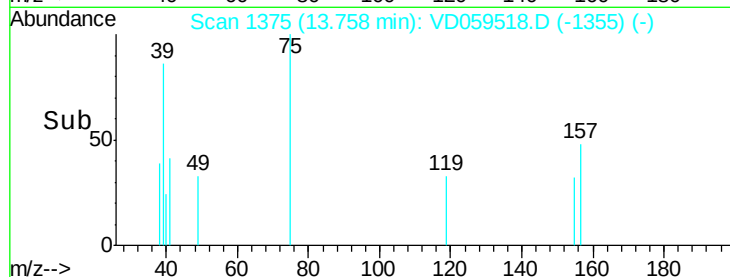
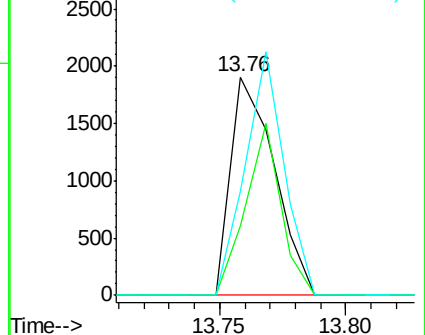
157 47.8 41.5 124.5



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 2.346 ug/l

RT: 14.33 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

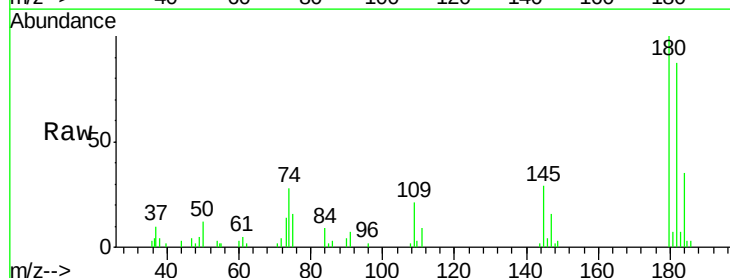
Tgt Ion:180 Resp: 22096

Ion Ratio Lower Upper

180 100

182 87.1 48.7 146.1

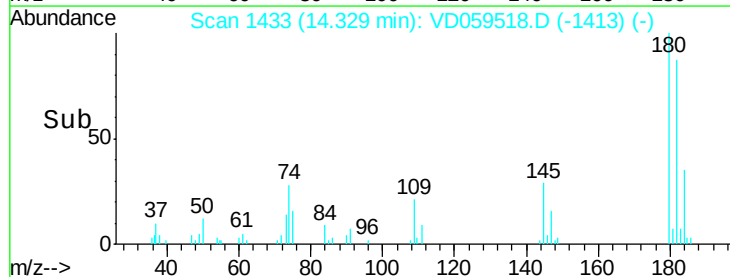
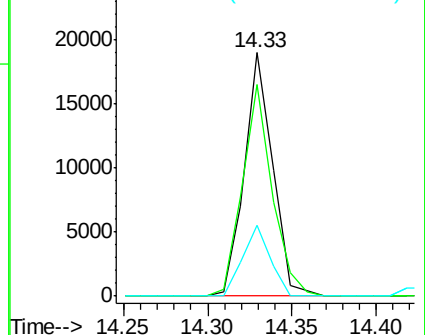
145 29.3 13.2 39.6

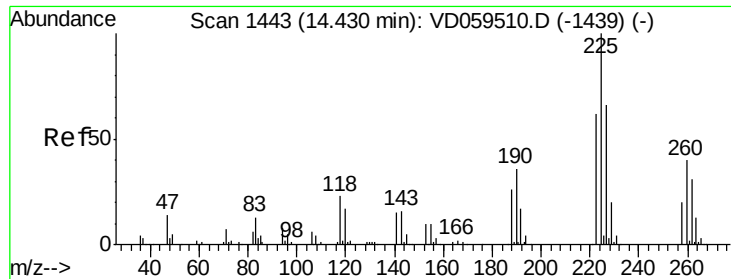


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 2.170 ug/l

RT: 14.43 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

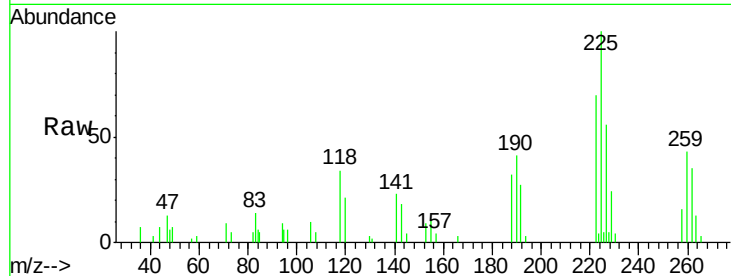
Tot Ion:225 Resp: 15636

Ion Ratio Lower Upper

225 100

223 69.8 31.0 93.0

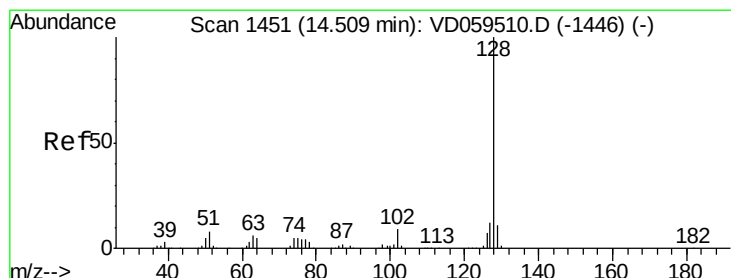
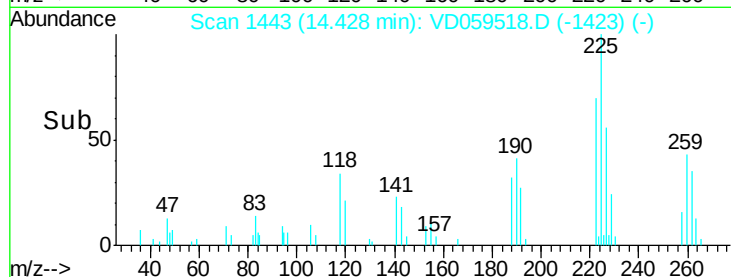
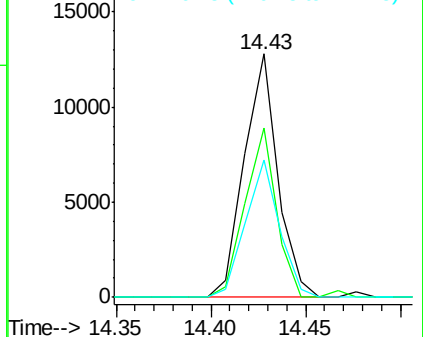
227 56.3 33.1 99.5



Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V



#95

Naphthalene

Concen: 2.373 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD059518.D

Acq: 2 Jul 2018 23:18

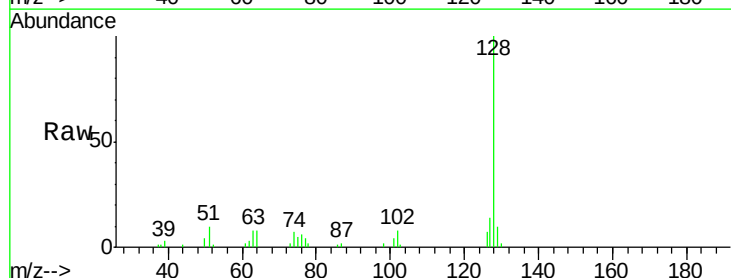
Tgt Ion:128 Resp: 33248

Ion Ratio Lower Upper

128 100

127 13.5 9.8 14.8

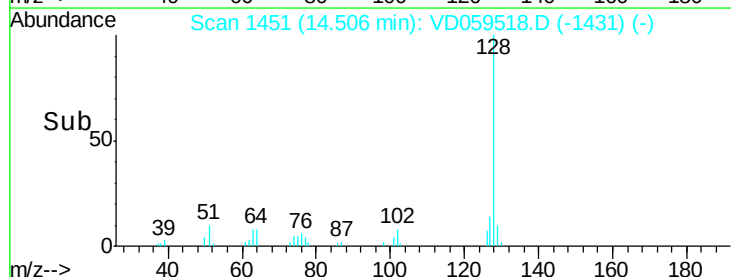
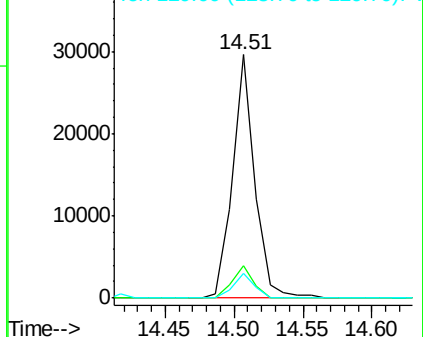
129 10.0 8.6 12.8

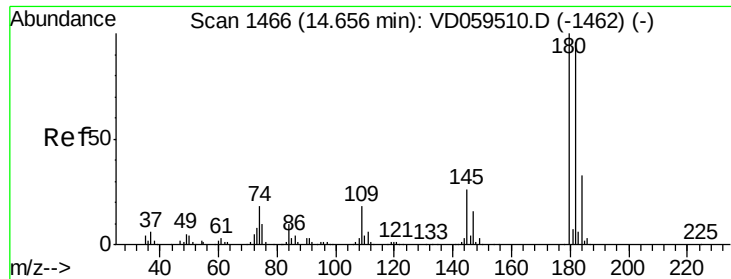


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.422 ug/l

RT: 14.65 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD059518.D

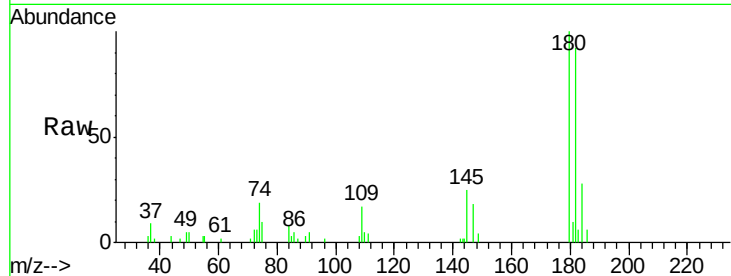
Acq: 2 Jul 2018 23:18

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018



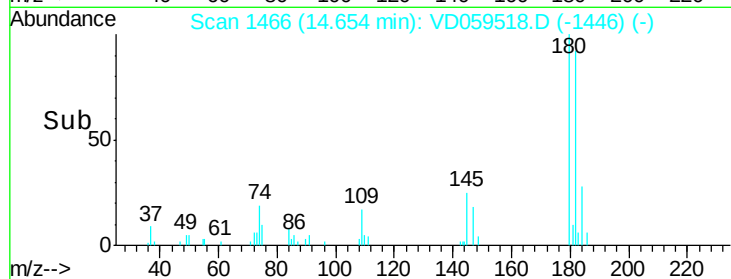
Tot Ion:180 Resp: 20061

Ion Ratio Lower Upper

180 100

182 91.7 48.1 144.4

145 25.1 13.2 39.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

