

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD080619\  
 Data File : VD063398.D  
 Acq On : 6 Aug 2019 14:51  
 Operator : JC/SY  
 Sample : K4165-01  
 Misc : 4.99g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CP-MW3-S-8-12-SOIL

Quant Time: Aug 07 06:42:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.06  | 168  | 51825    | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 82288    | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 67834    | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 24984    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 47165    | 82.02 | ug/l    | 0.01     |
| Spiked Amount               |       |      | Recovery | =     | 164.04% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 34501    | 49.11 | ug/l    | 0.01     |
| Spiked Amount               |       |      | Recovery | =     | 98.22%  |          |
| 50) Toluene-d8              | 10.41 | 98   | 62736    | 39.90 | ug/l    | 0.01     |
| Spiked Amount               |       |      | Recovery | =     | 79.80%  |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 24503    | 34.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 68.40%  |          |

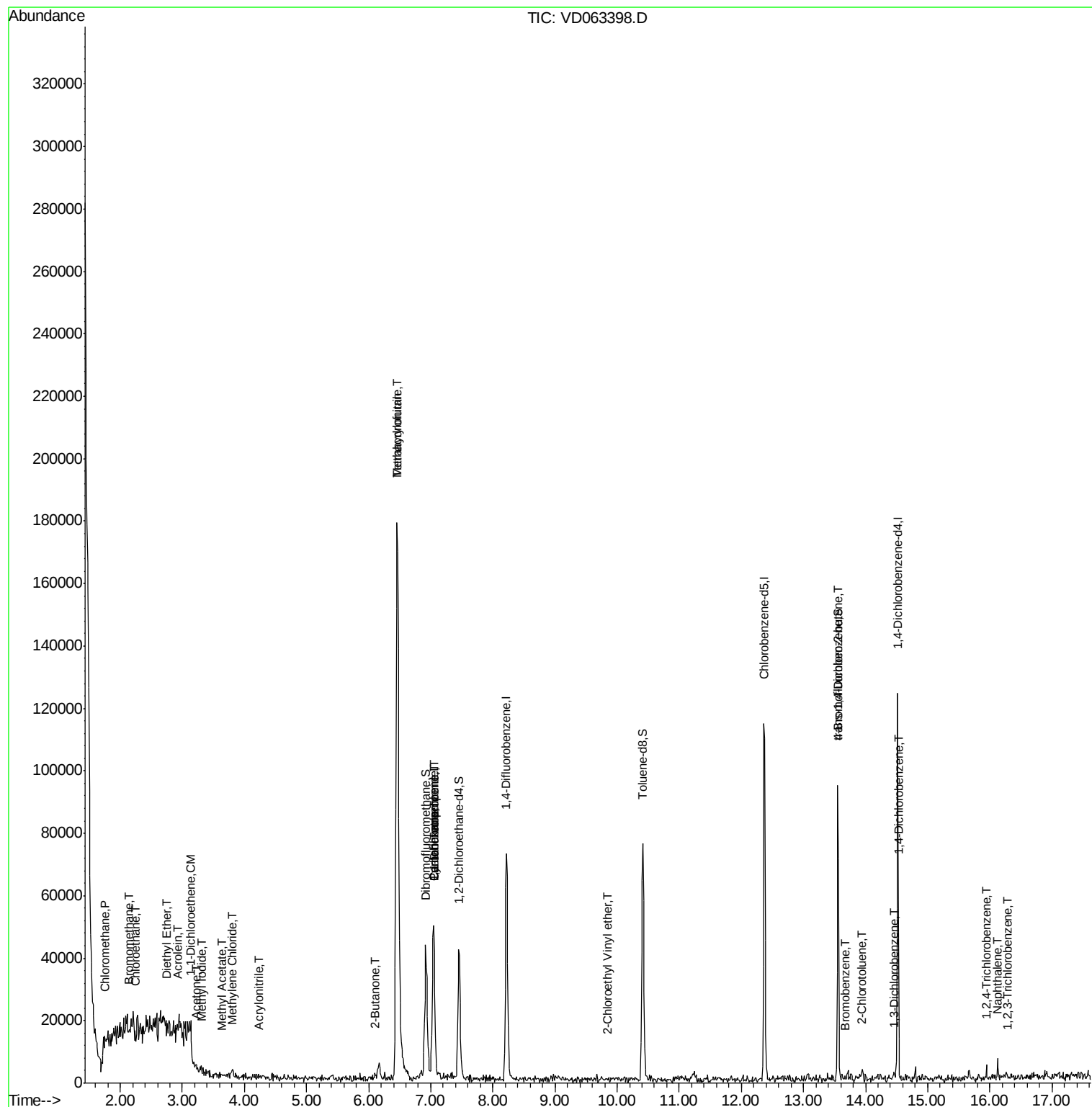
| Target Compounds               | R.T.  | QIon | Response | Conc     | Units  | Qvalue |
|--------------------------------|-------|------|----------|----------|--------|--------|
| 3) Chloromethane               | 1.75  | 50   | 1273     | 2.586    | ug/l # | 46     |
| 5) Bromomethane                | 2.15  | 94   | 1571     | 6.113    | ug/l # | 12     |
| 6) Chloroethane                | 2.25  | 64   | 252      | 1.071    | ug/l # | 18     |
| 8) Diethyl Ether               | 2.76  | 74   | 460      | 3.325    | ug/l   | 96     |
| 10) Methyl Iodide              | 3.31  | 142  | 1050     | 1.327    | ug/l # | 74     |
| 12) 1,1-Dichloroethene         | 3.14  | 96   | 405      | 1.008    | ug/l # | 1      |
| 13) Acrolein                   | 2.91  | 56   | 536      | 22.069   | ug/l   | 95     |
| 15) Acrylonitrile              | 4.23  | 53   | 329      | 5.029    | ug/l # | 14     |
| 16) Acetone                    | 3.22  | 43   | 3740     | 33.380   | ug/l # | 71     |
| 18) Methyl Acetate             | 3.64  | 43   | 672      | 3.122    | ug/l # | 60     |
| 20) Methylene Chloride         | 3.82  | 84   | 1363     | 3.010    | ug/l # | 47     |
| 25) 2-Butanone                 | 6.10  | 43   | 222      | 1.974    | ug/l # | 56     |
| 29) Tetrahydrofuran            | 6.46  | 42   | 159524   | 2996.531 | ug/l   | 99     |
| 31) Cyclohexane                | 7.04  | 56   | 1003     | 1.958    | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 7.04  | 75   | 4115     | 5.479    | ug/l # | 44     |
| 38) Carbon Tetrachloride       | 7.04  | 117  | 4977     | 4.402    | ug/l # | 11     |
| 41) Methacrylonitrile          | 6.46  | 41   | 113683   | 281.686  | ug/l # | 95     |
| 58) 2-Chloroethyl Vinyl ether  | 9.83  | 63   | 227      | 1.127    | ug/l # | 47     |
| 77) Bromobenzene               | 13.67 | 156  | 598      | 1.339    | ug/l # | 50     |
| 79) 2-Chlorotoluene            | 13.95 | 91   | 1218     | 1.126    | ug/l   | 93     |
| 81) trans-1,4-Dichloro-2-buten | 13.55 | 75   | 12118    | 145.424  | ug/l # | 3      |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 1115     | 1.409    | ug/l # | 25     |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 812      | 1.015    | ug/l # | 75     |
| 93) 1,2,4-Trichlorobenzene     | 15.95 | 180  | 1398     | 2.557    | ug/l # | 88     |
| 95) Naphthalene                | 16.12 | 128  | 3537     | 4.577    | ug/l # | 75     |
| 96) 1,2,3-Trichlorobenzene     | 16.28 | 180  | 560      | 1.296    | ug/l # | 12     |

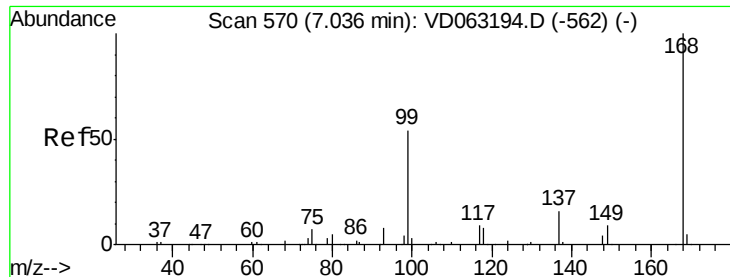
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD080619\  
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Sample : K4165-01  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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CP-MW3-S-8-12-SOIL

Quant Time: Aug 07 06:42:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

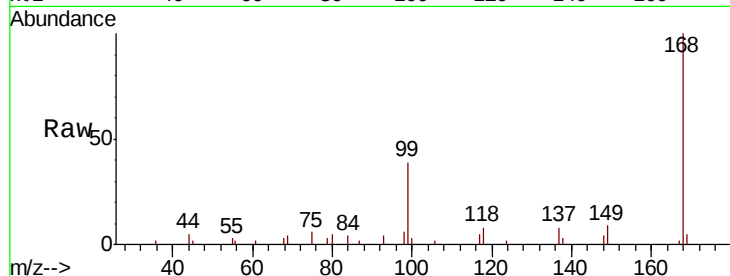
CP-MW3-S-8-12-SOIL

Tgt Ion:168 Resp: 51825

Ion Ratio Lower Upper

168 100

99 38.5 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

20000

15000

10000

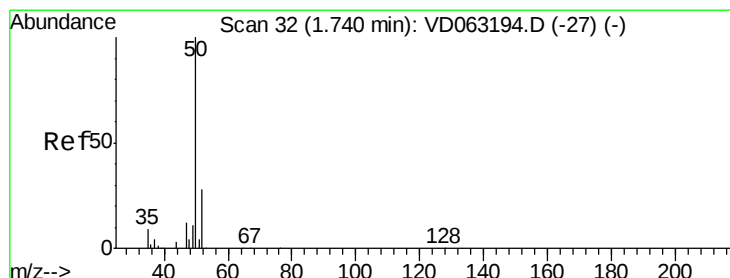
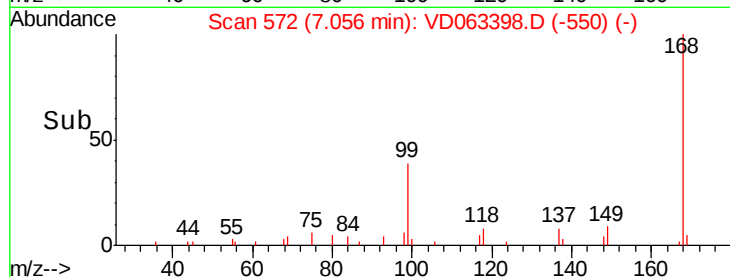
5000

0

Time-->

6.90 7.00 7.10 7.20

7.06



#3

Chloromethane

Concen: 2.586 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063398.D

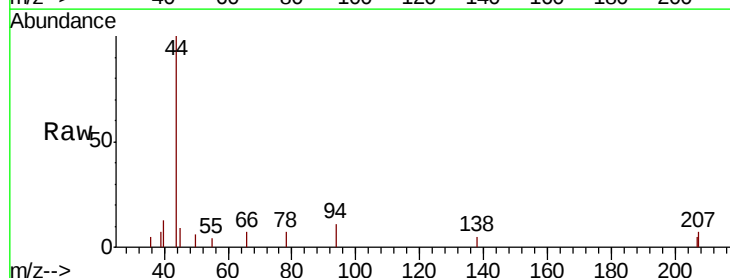
Acq: 6 Aug 2019 14:51

Tgt Ion: 50 Resp: 1273

Ion Ratio Lower Upper

50 100

52 0.0 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

800

600

400

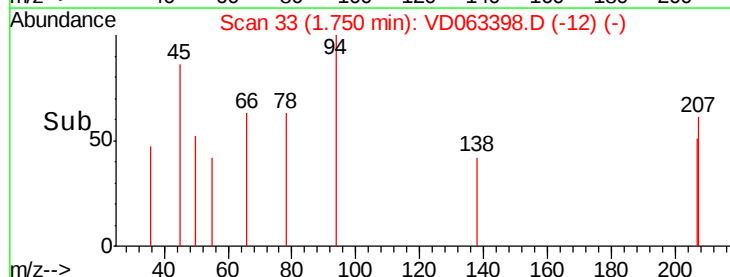
200

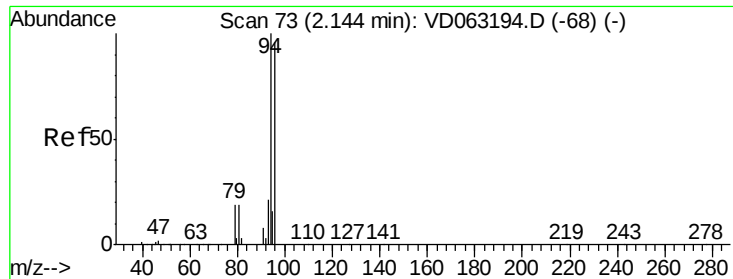
0

Time-->

1.70 1.75

1.75





#5

Bromomethane

Concen: 6.113 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

CP-MW3-S-8-12-SOIL

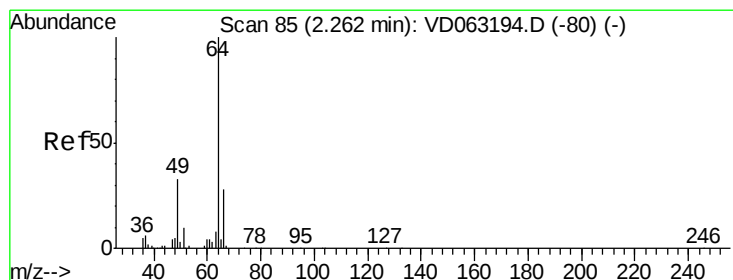
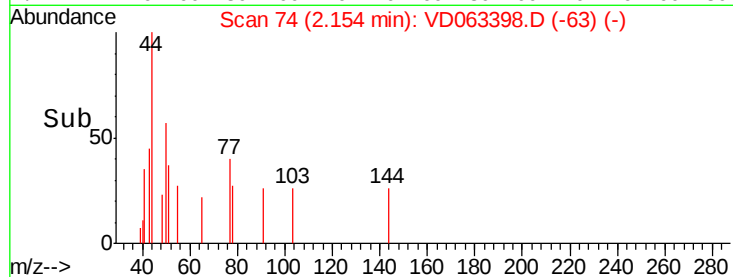
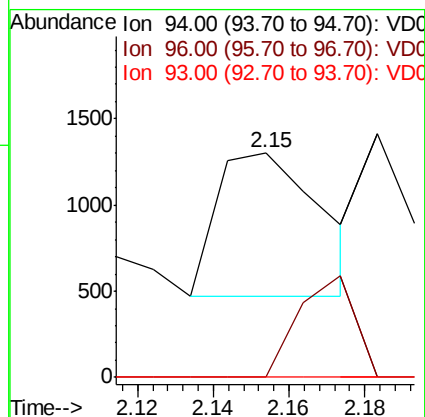
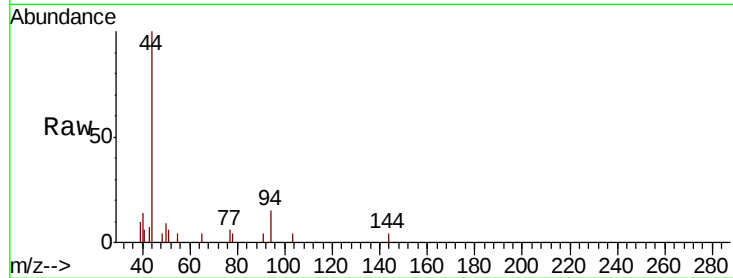
Tgt Ion: 94 Resp: 1571

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



#6

Chloroethane

Concen: 1.071 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063398.D

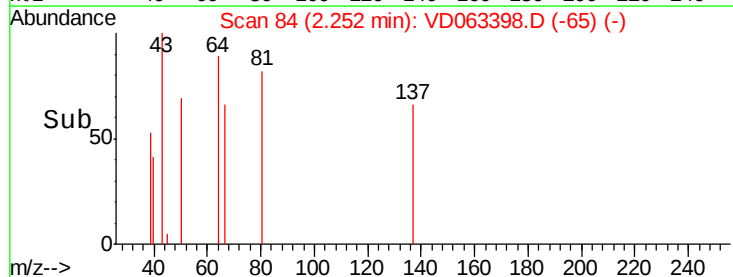
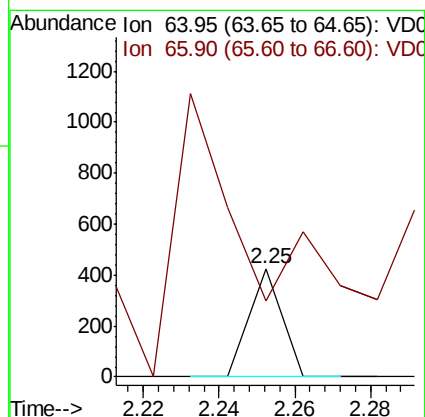
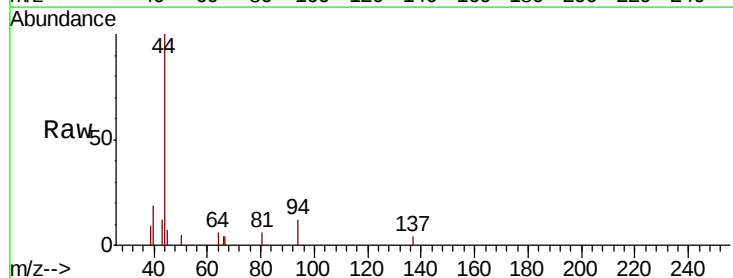
Acq: 6 Aug 2019 14:51

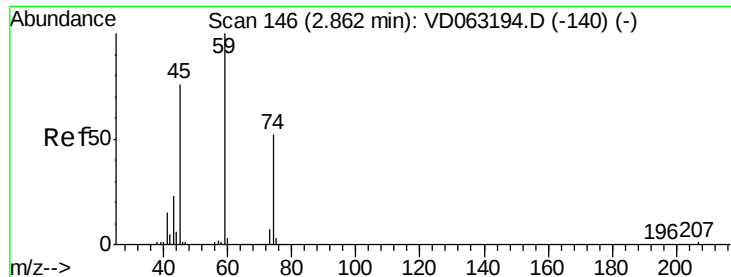
Tgt Ion: 64 Resp: 252

Ion Ratio Lower Upper

64 100

66 70.7 22.2 33.2#





#8

Diethyl Ether

Concen: 3.325 ug/l

RT: 2.76 min Scan# 136

Delta R.T. -0.10 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

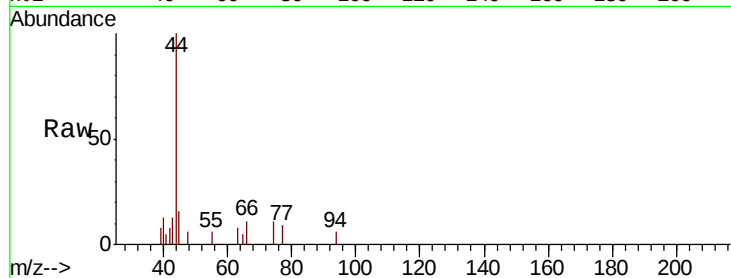
CP-MW3-S-8-12-SOIL

Tgt Ion: 74 Resp: 460

Ion Ratio Lower Upper

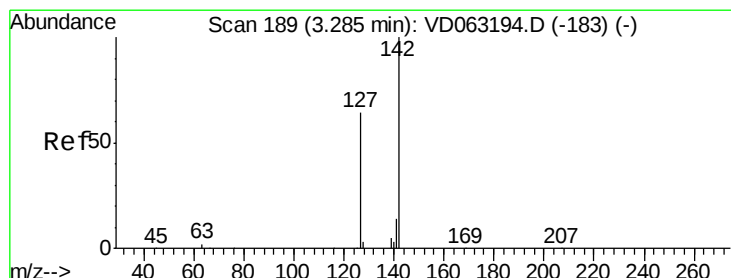
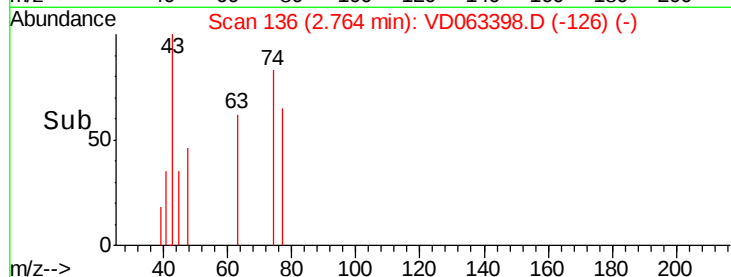
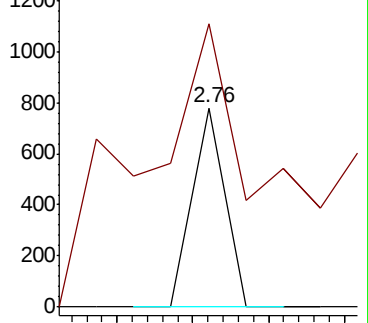
74 100

45 142.3 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

Methyl Iodide

Concen: 1.327 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.02 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

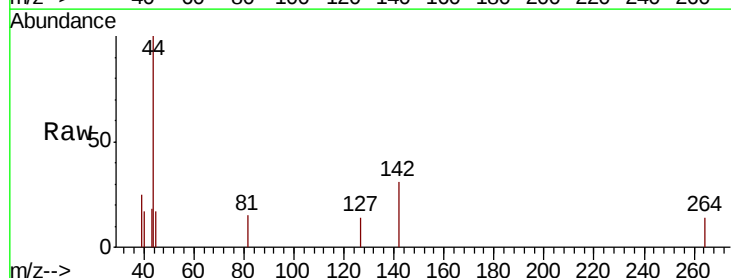
Tgt Ion: 142 Resp: 1050

Ion Ratio Lower Upper

142 100

127 44.7 50.8 76.2#

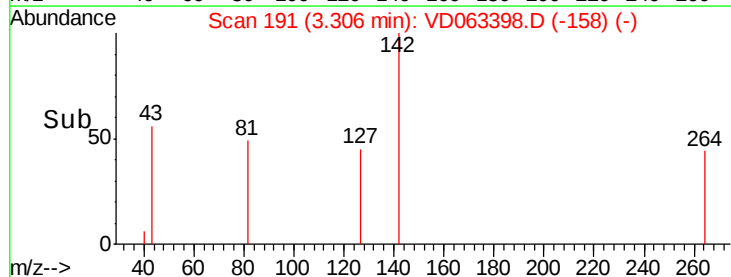
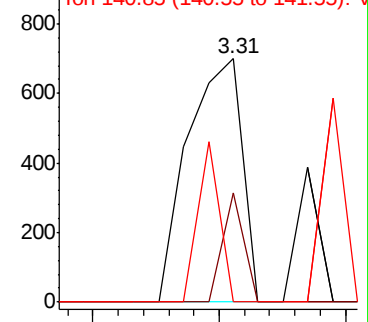
141 0.0 11.4 17.2#

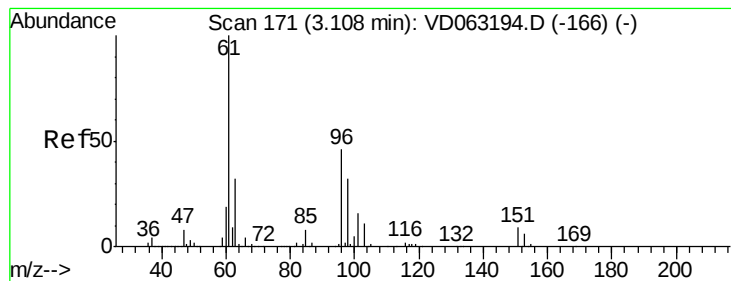


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#12

1,1-Dichloroethene

Concen: 1.008 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.03 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

CP-MW3-S-8-12-SOIL

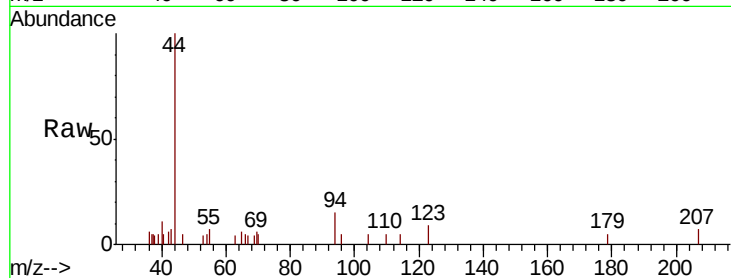
Tgt Ion: 96 Resp: 405

Ion Ratio Lower Upper

96 100

61 0.0 173.7 260.5#

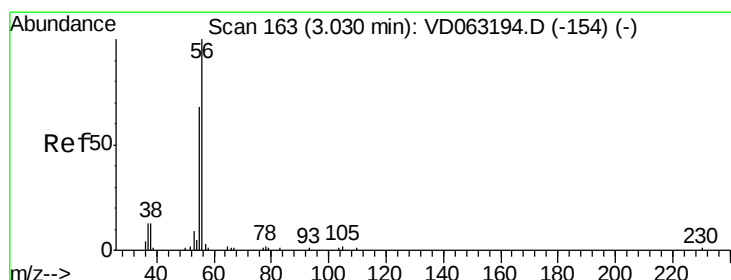
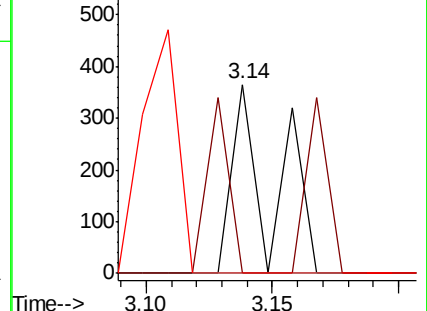
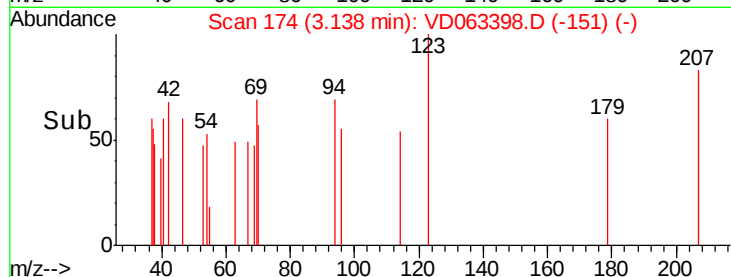
98 0.0 55.8 83.8#



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



#13

Acrolein

Concen: 22.069 ug/l

RT: 2.91 min Scan# 151

Delta R.T. -0.12 min

Lab File: VD063398.D

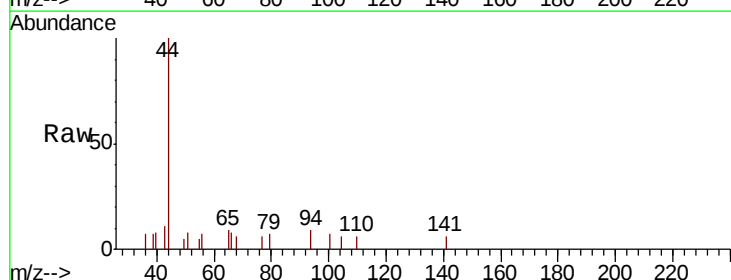
Acq: 6 Aug 2019 14:51

Tgt Ion: 56 Resp: 536

Ion Ratio Lower Upper

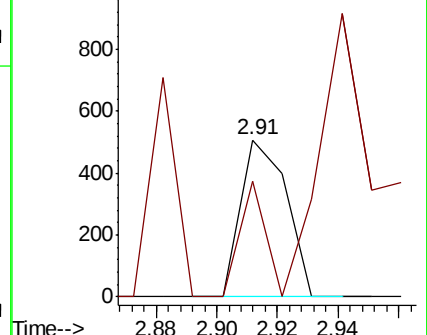
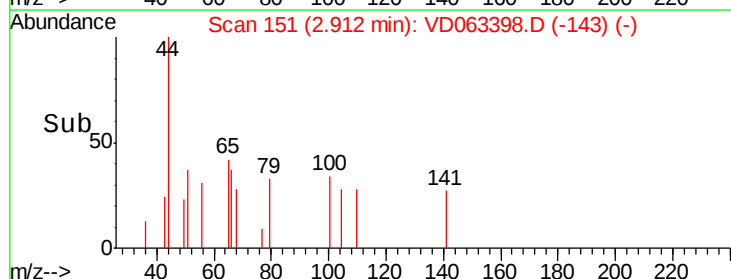
56 100

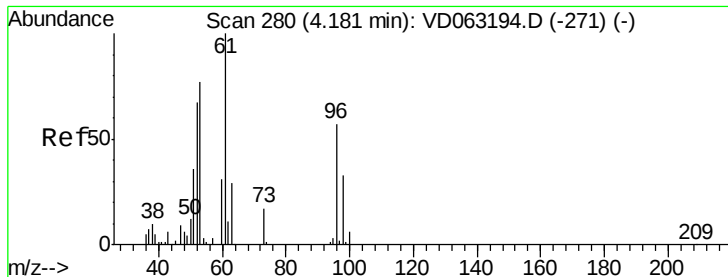
55 73.4 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 5.029 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.05 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

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CP-MW3-S-8-12-SOIL

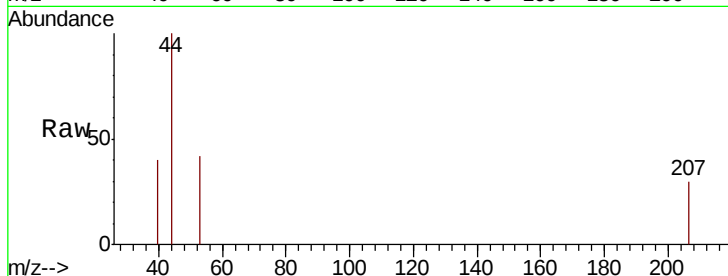
Tgt Ion: 53 Resp: 329

Ion Ratio Lower Upper

53 100

52 0.0 69.7 104.5#

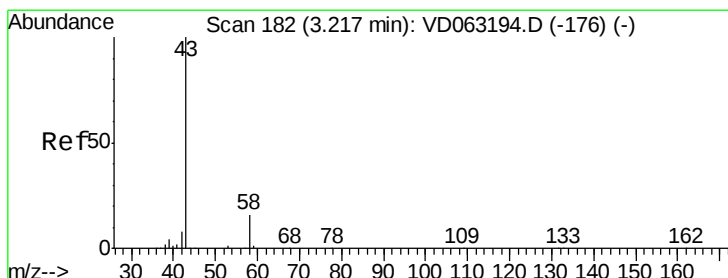
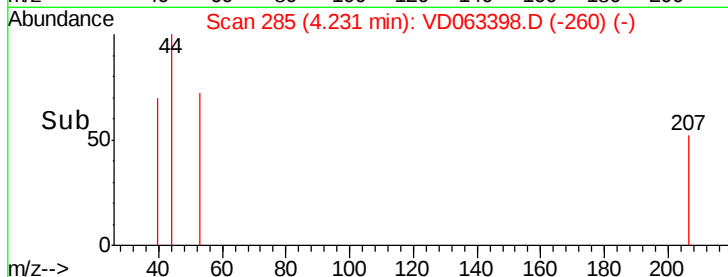
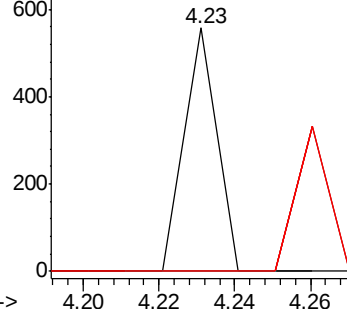
51 0.0 37.4 56.0#



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 33.380 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063398.D

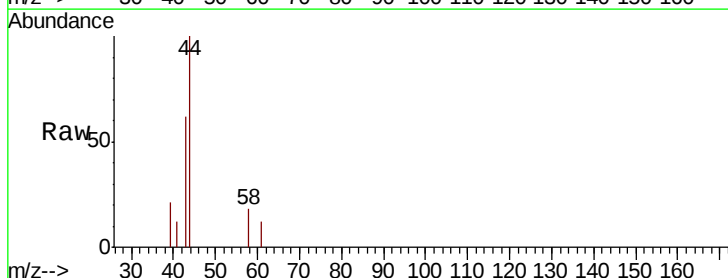
Acq: 6 Aug 2019 14:51

Tgt Ion: 43 Resp: 3740

Ion Ratio Lower Upper

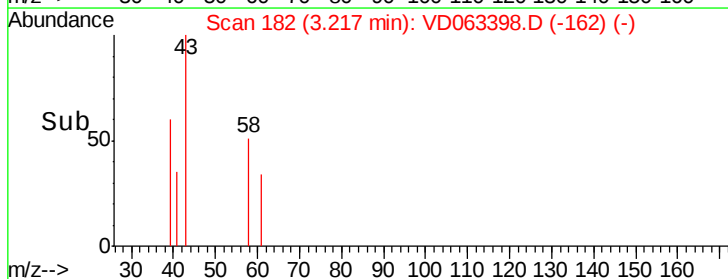
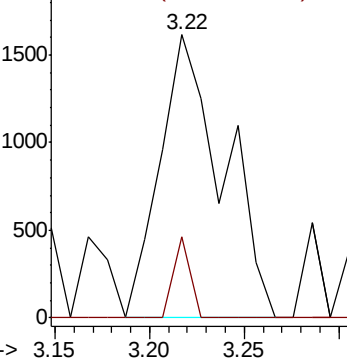
43 100

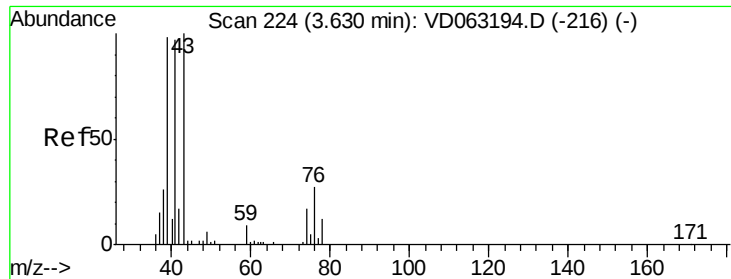
58 28.6 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

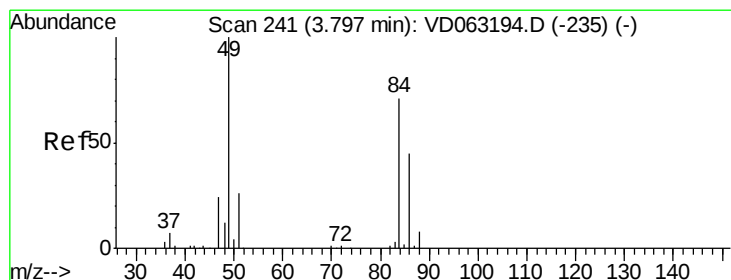
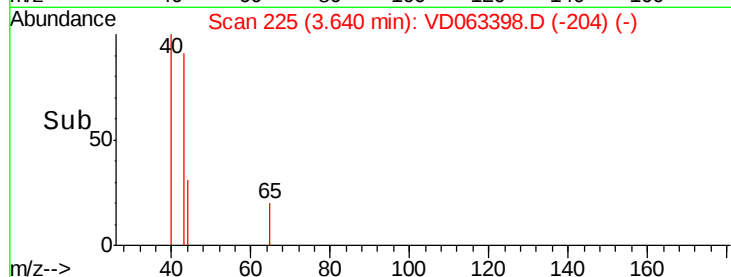
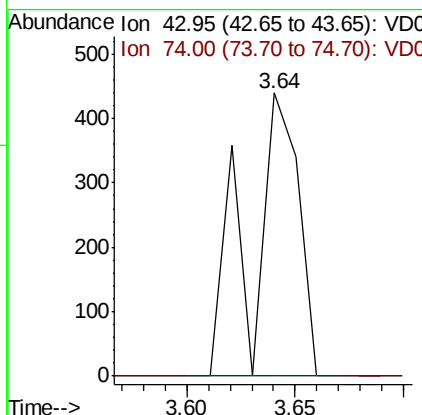
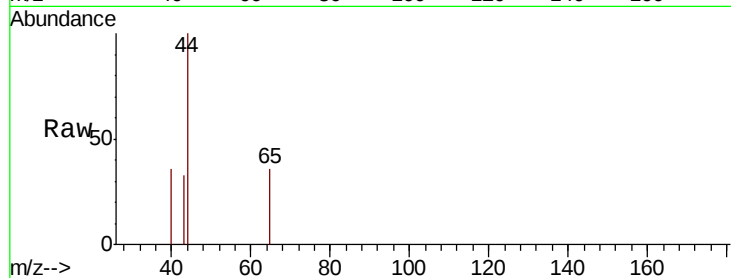




#18  
Methyl Acetate  
Concen: 3.122 ug/l  
RT: 3.64 min Scan# 225  
Delta R.T. 0.01 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

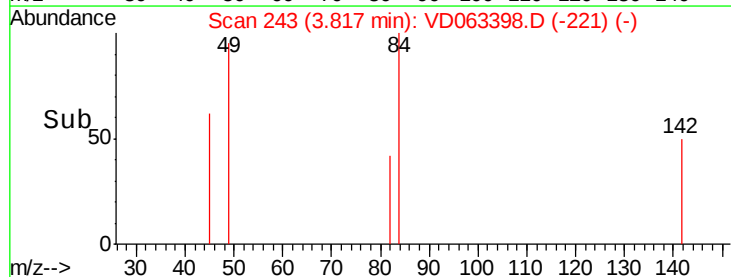
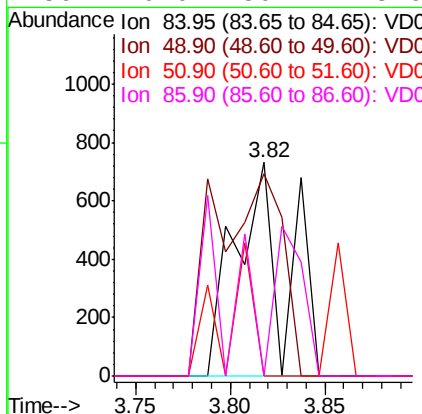
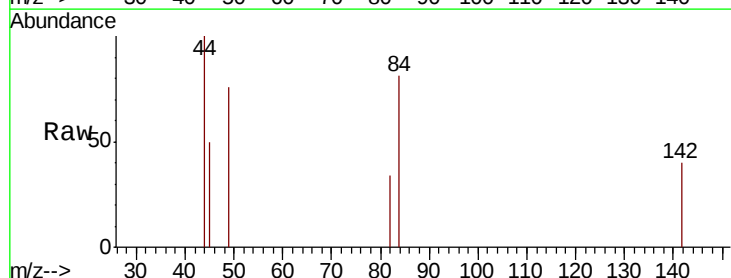
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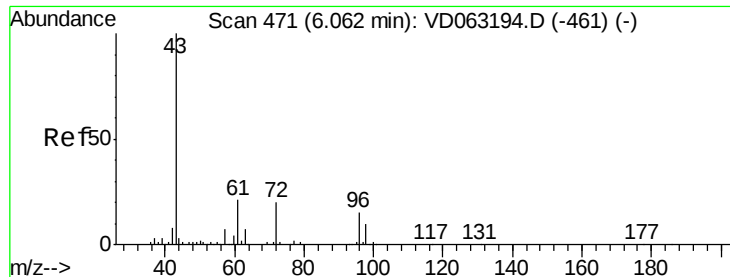
Tgt Ion: 43 Resp: 672  
Ion Ratio Lower Upper  
43 100  
74 0.0 13.8 20.8#



#20  
Methylene Chloride  
Concen: 3.010 ug/l  
RT: 3.82 min Scan# 243  
Delta R.T. 0.02 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Tgt Ion: 84 Resp: 1363  
Ion Ratio Lower Upper  
84 100  
49 94.5 112.5 168.7#  
51 0.0 29.6 44.4#  
86 0.0 50.4 75.6#





#25

2-Butanone

Concen: 1.974 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

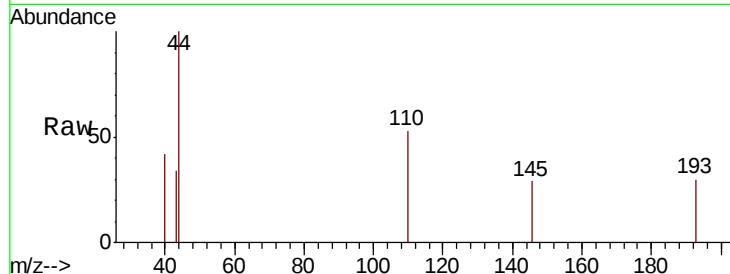
CP-MW3-S-8-12-SOIL

Tgt Ion: 43 Resp: 222

Ion Ratio Lower Upper

43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.10

400

300

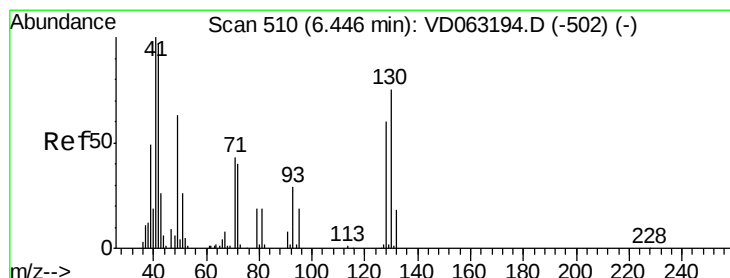
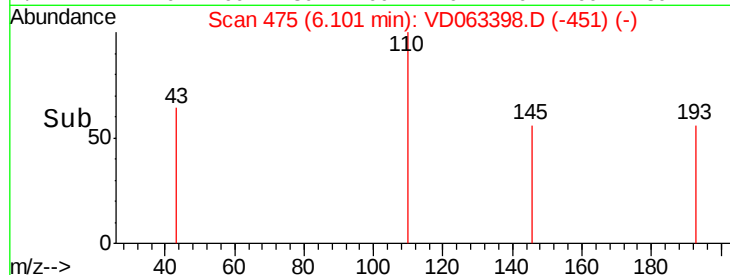
200

100

0

6.08 6.10 6.12

Time-->



#29

Tetrahydrofuran

Concen: 2996.531 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

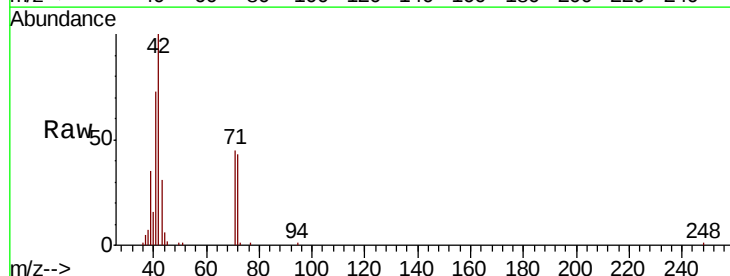
Tgt Ion: 42 Resp: 159524

Ion Ratio Lower Upper

42 100

72 41.1 33.4 50.2

71 43.4 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

60000

50000

40000

30000

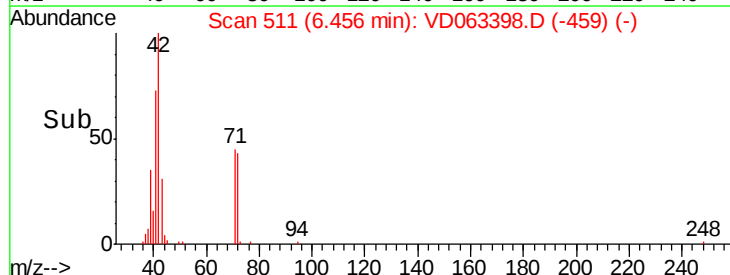
20000

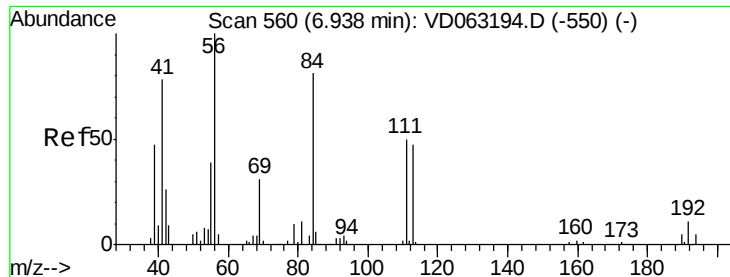
10000

0

6.30 6.40 6.50 6.60 6.70

Time-->

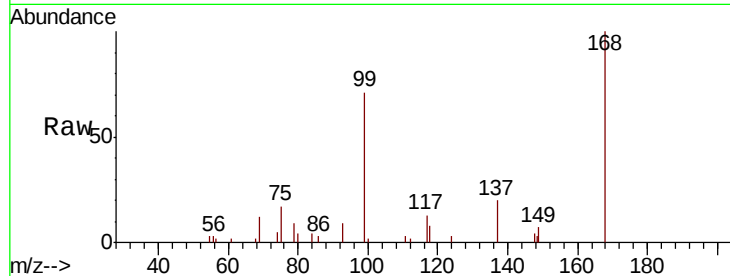




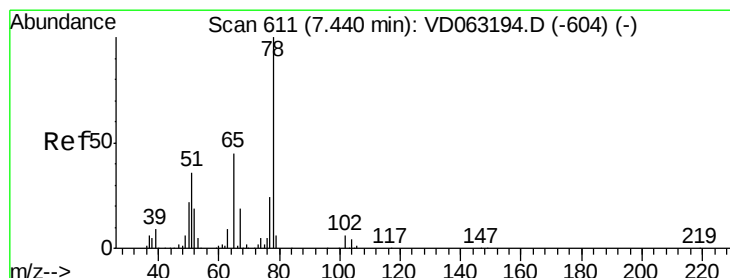
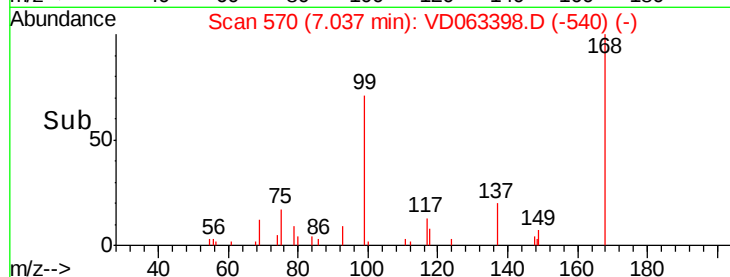
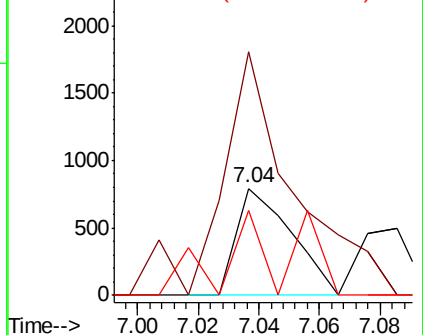
#31  
Cyclohexane  
Concen: 1.958 ug/l  
RT: 7.04 min Scan# 570  
Delta R.T. 0.10 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
CP-MW3-S-8-12-SOIL

Tgt Ion: 56 Resp: 1003  
Ion Ratio Lower Upper  
56 100  
69 227.3 24.5 36.7#  
84 79.3 64.9 97.3

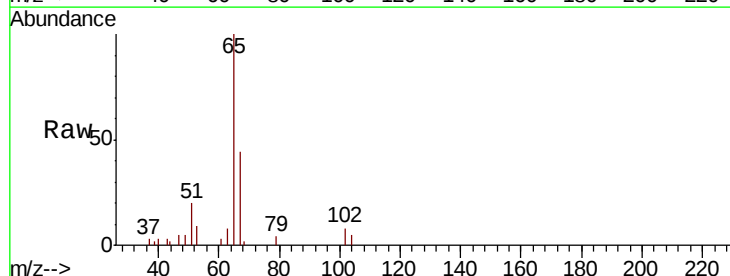


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

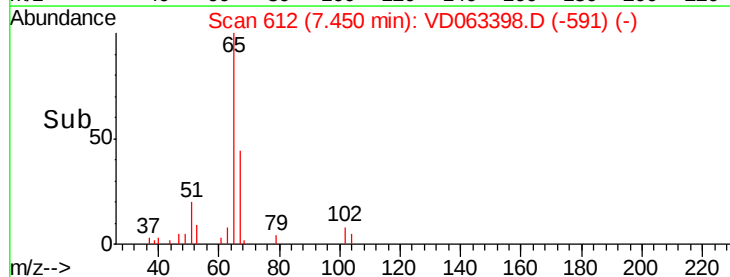
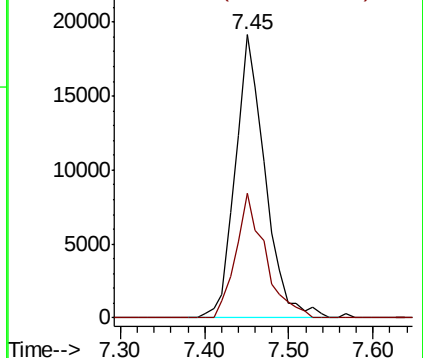


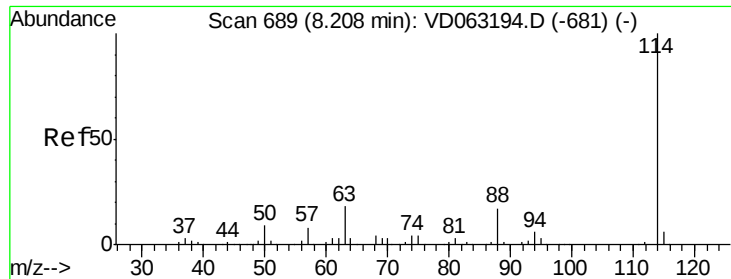
#33  
1,2-Dichloroethane-d4  
Concen: 82.019 ug/l  
RT: 7.45 min Scan# 612  
Delta R.T. 0.01 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Tgt Ion: 65 Resp: 47165  
Ion Ratio Lower Upper  
65 100  
67 44.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

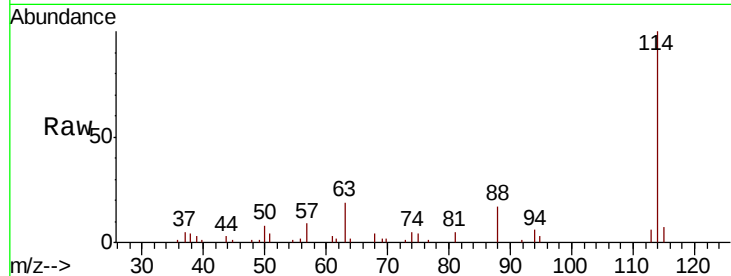




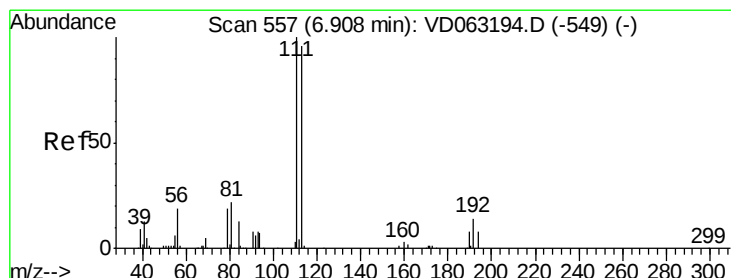
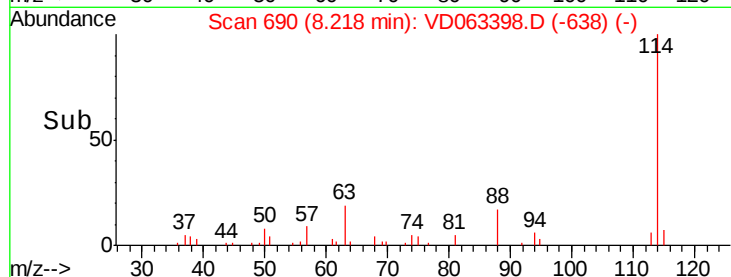
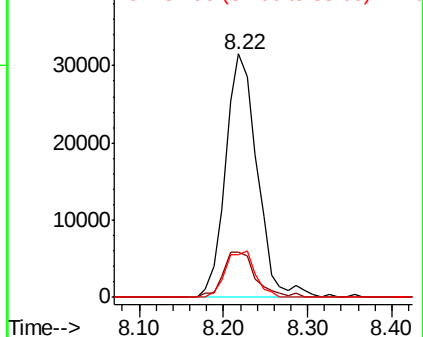
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.01 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CP-MW3-S-8-12-SOIL

Tgt Ion:114 Resp: 82288  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 35.2  
 88 17.5 0.0 34.6

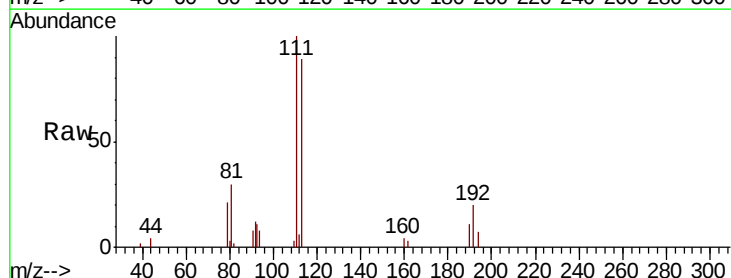


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

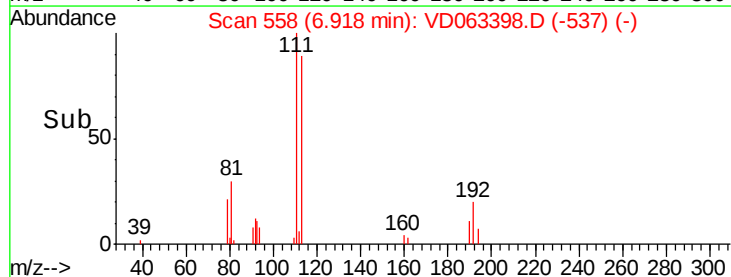
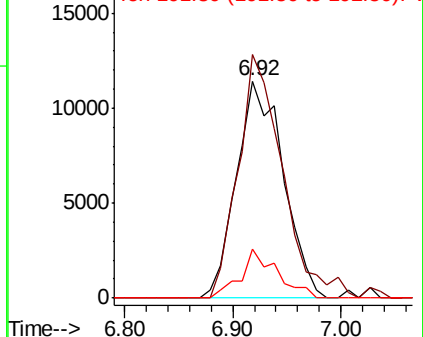


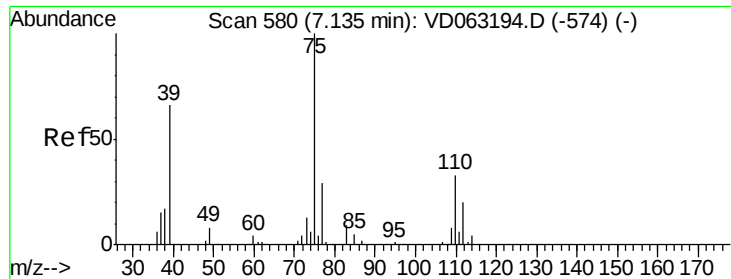
#35  
 Dibromofluoromethane  
 Concen: 49.107 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

Tgt Ion:113 Resp: 34501  
 Ion Ratio Lower Upper  
 113 100  
 111 112.1 83.2 124.8  
 192 22.4 11.8 17.8#



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

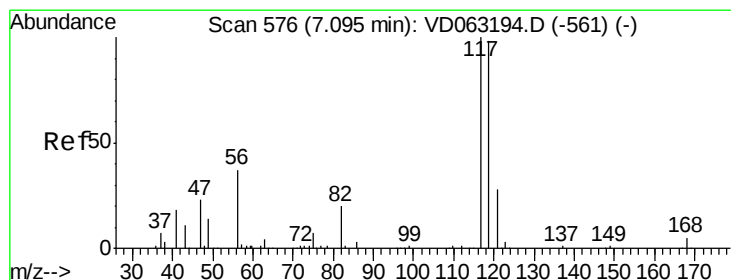
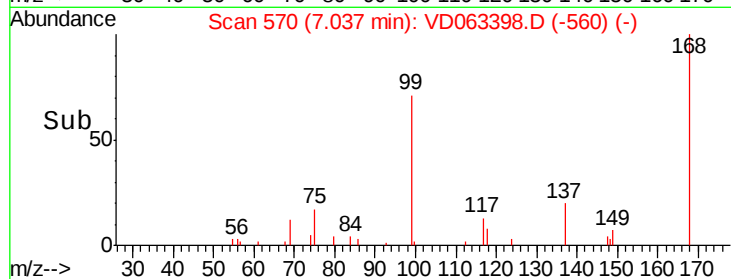
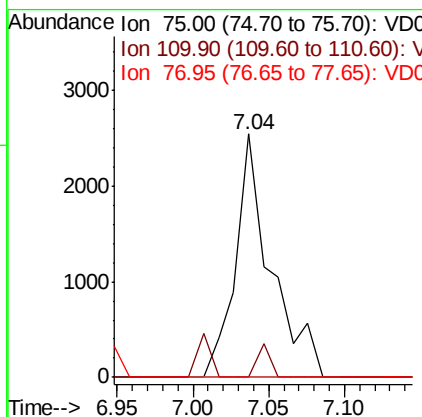
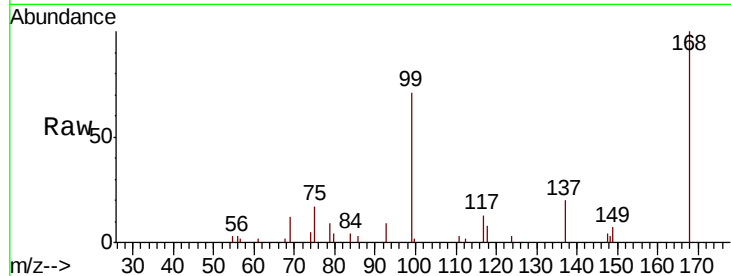




#36  
 1,1-Dichloropropene  
 Concen: 5.479 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.10 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

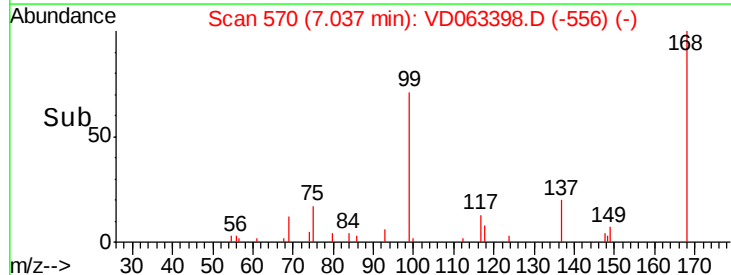
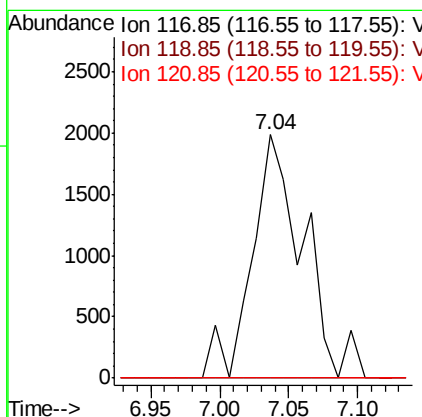
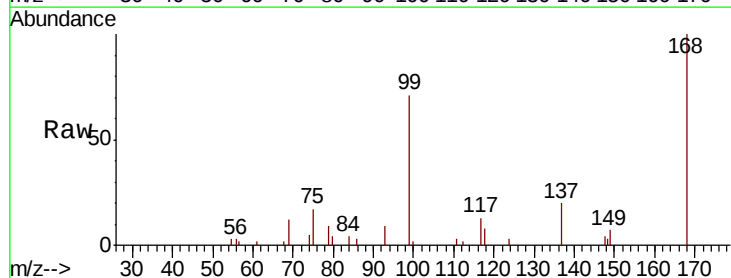
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CP-MW3-S-8-12-SOIL

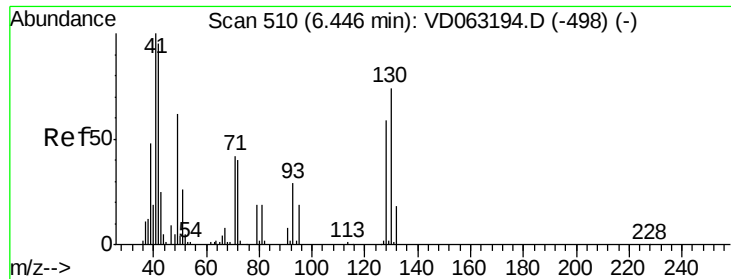
Tgt Ion: 75 Resp: 4115  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 16.1 48.2#  
 77 0.0 22.7 34.1#



#38  
 Carbon Tetrachloride  
 Concen: 4.402 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.06 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

Tgt Ion: 117 Resp: 4977  
 Ion Ratio Lower Upper  
 117 100  
 119 0.0 78.2 117.2#  
 121 0.0 22.1 33.1#





#41

Methacrylonitrile

Concen: 281.686 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

CP-MW3-S-8-12-SOIL

Tgt Ion: 41 Resp: 113683

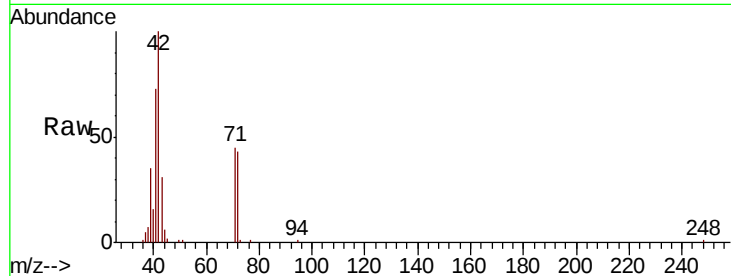
Ion Ratio Lower Upper

41 100

39 48.3 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

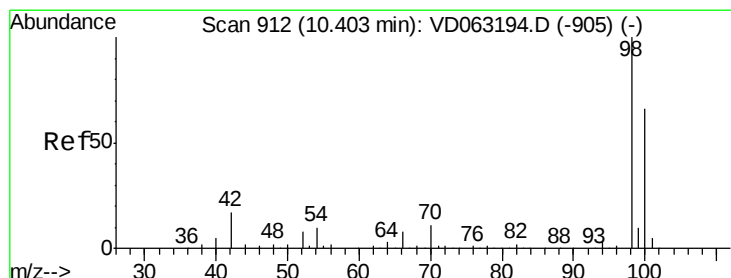
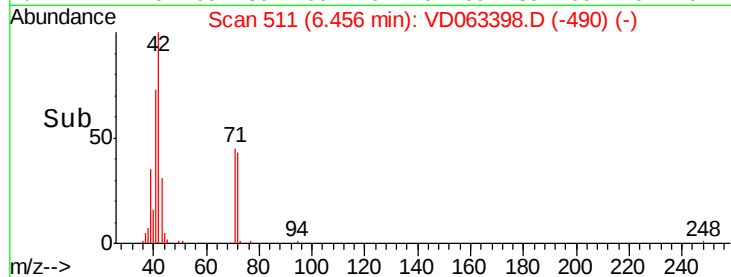
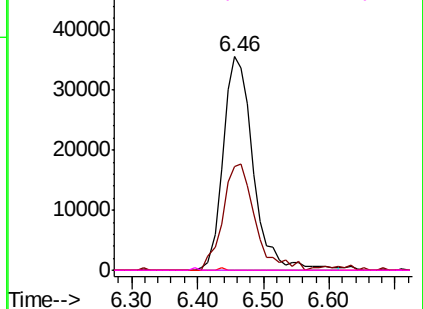


Abundance Ion 40.95 (40.65 to 41.65): VDC

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



#50

Toluene-d8

Concen: 39.900 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063398.D

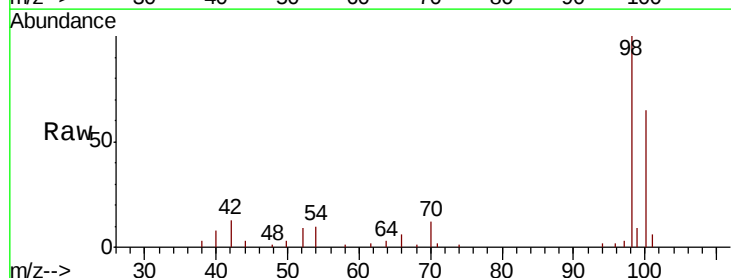
Acq: 6 Aug 2019 14:51

Tgt Ion: 98 Resp: 62736

Ion Ratio Lower Upper

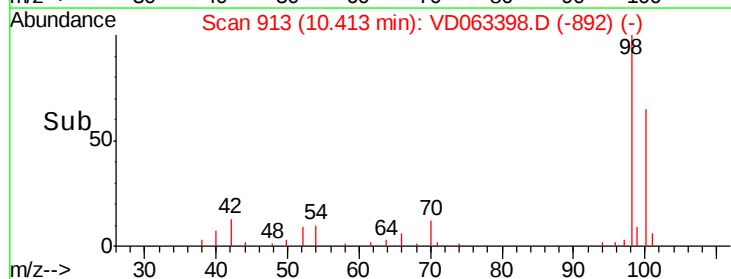
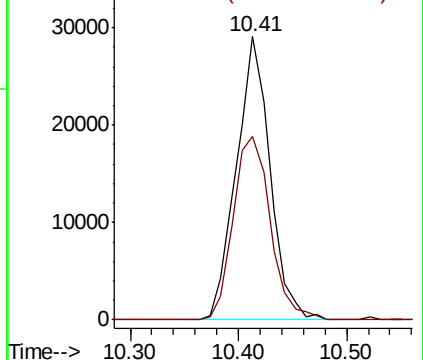
98 100

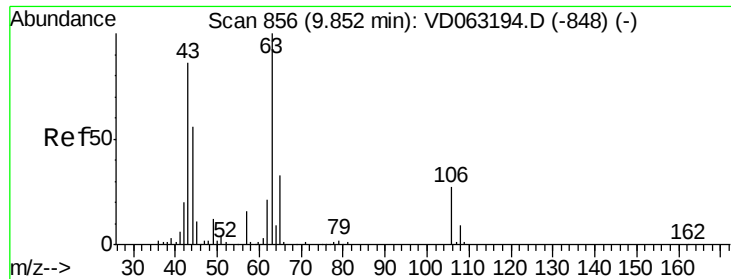
100 64.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

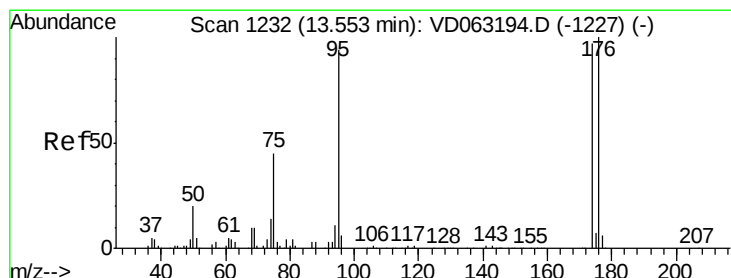
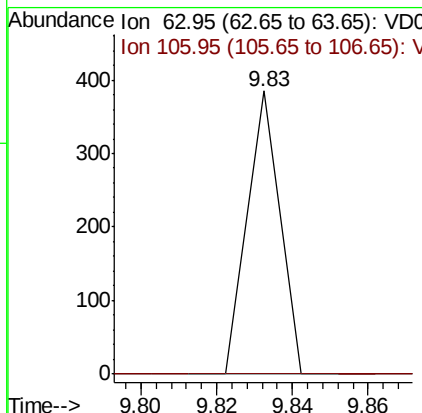
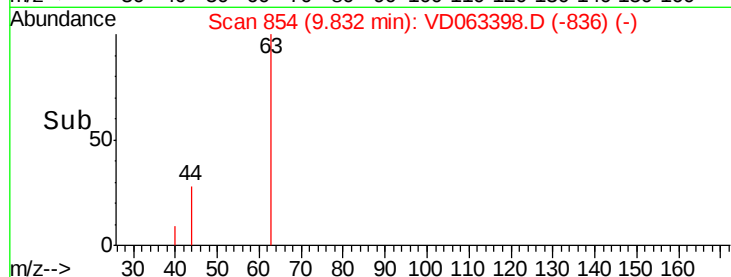
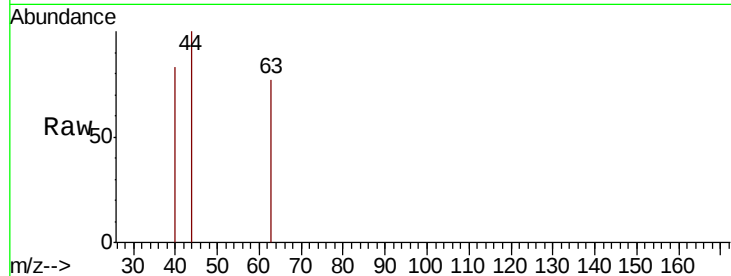




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 1.127 ug/l  
 RT: 9.83 min Scan# 854  
 Delta R.T. -0.02 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

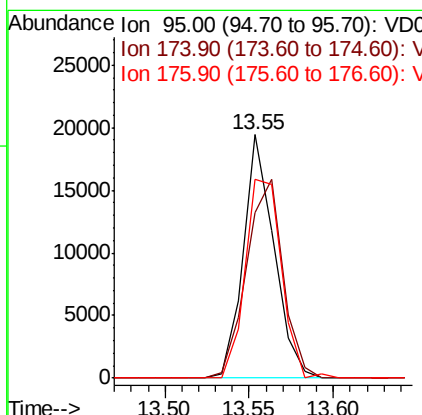
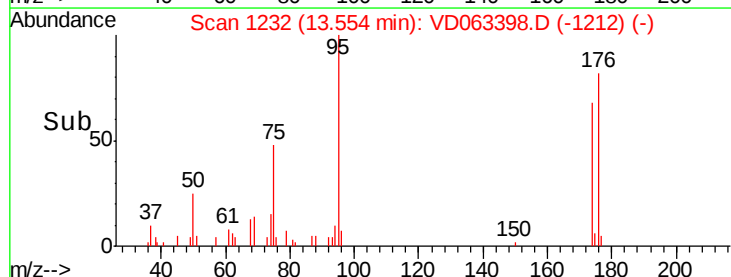
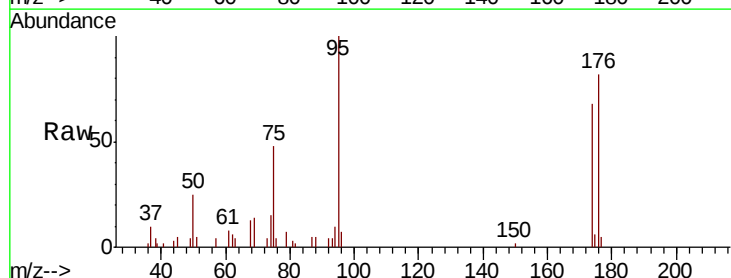
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CP-MW3-S-8-12-SOIL

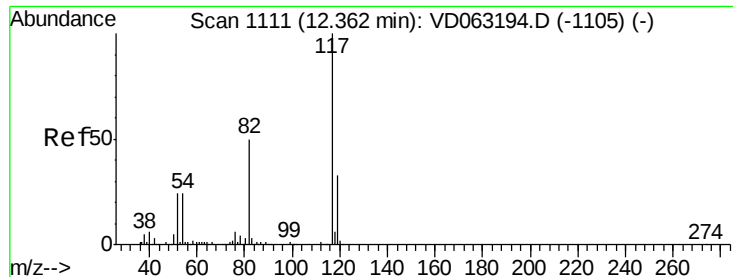
Tgt Ion: 63 Resp: 227  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 22.0 33.0#



#62  
 4-Bromofluorobenzene  
 Concen: 34.198 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

Tgt Ion: 95 Resp: 24503  
 Ion Ratio Lower Upper  
 95 100  
 174 68.1 0.0 205.4  
 176 81.6 0.0 211.8

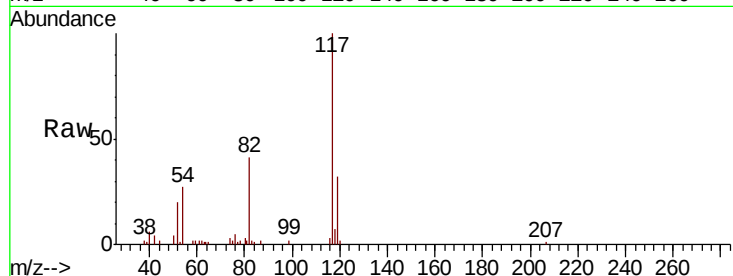




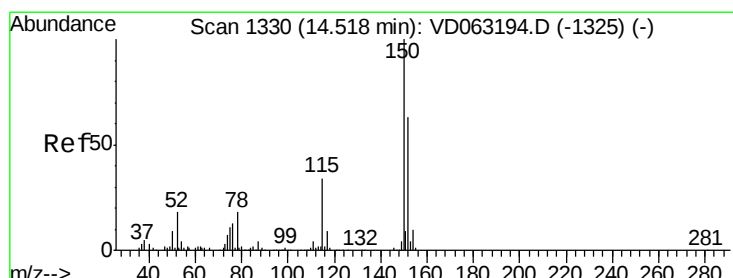
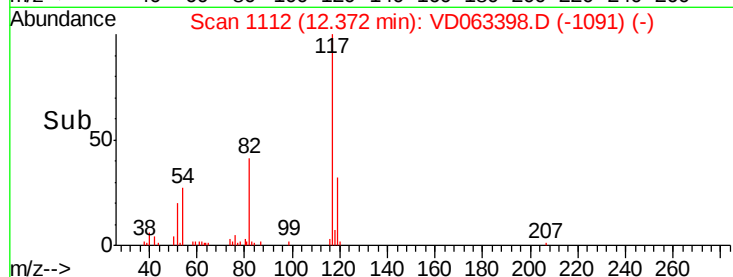
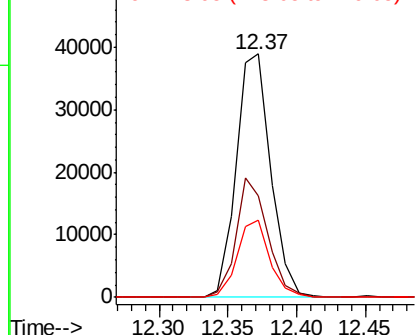
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
CP-MW3-S-8-12-SOIL

Tgt Ion:117 Resp: 67834  
Ion Ratio Lower Upper  
117 100  
82 41.5 40.1 60.1  
119 31.7 26.5 39.7

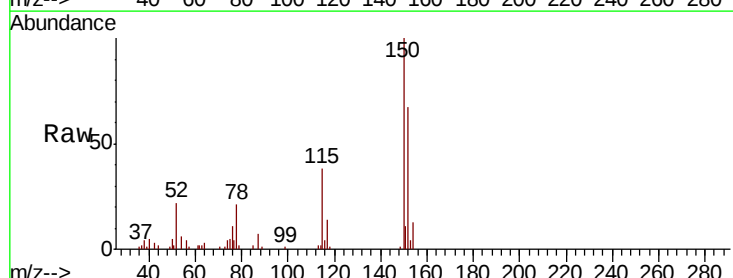


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

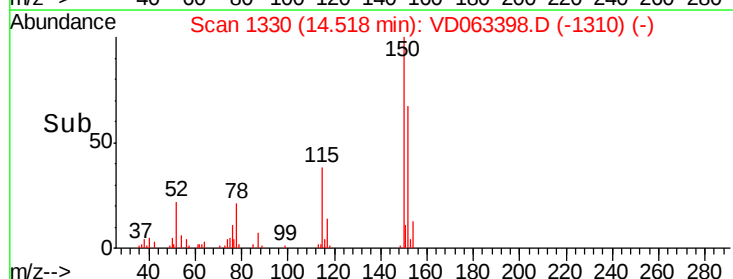
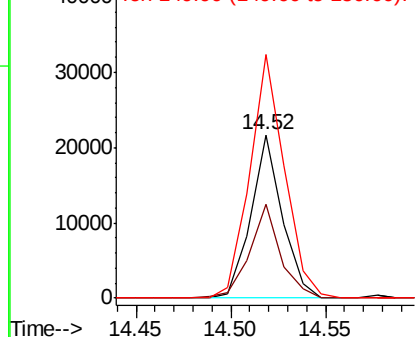


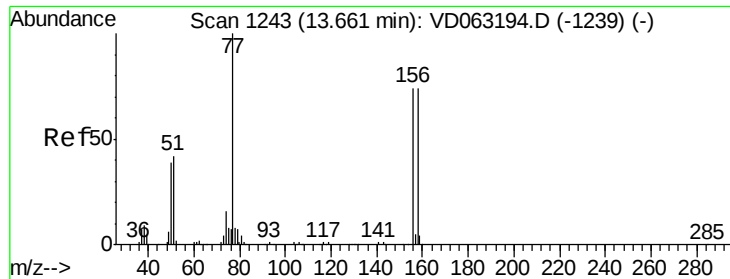
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Tgt Ion:152 Resp: 24984  
Ion Ratio Lower Upper  
152 100  
115 57.4 27.5 82.4  
150 149.2 0.0 320.6



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





#77

Bromobenzene

Concen: 1.339 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

CP-MW3-S-8-12-SOIL

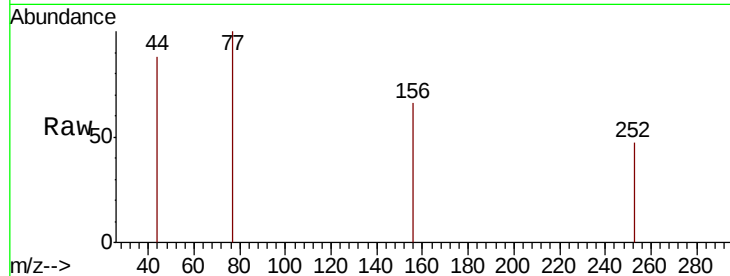
Tgt Ion:156 Resp: 598

Ion Ratio Lower Upper

156 100

77 150.9 67.6 202.8

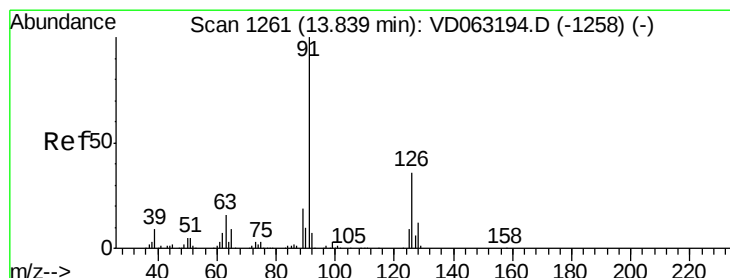
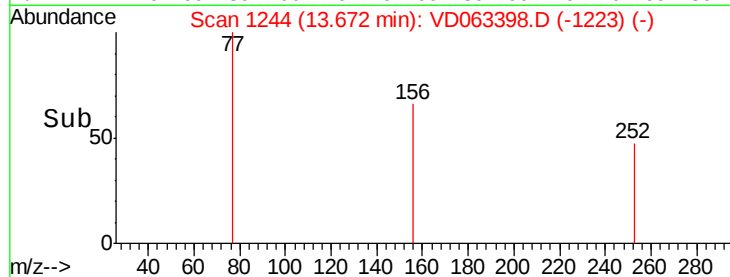
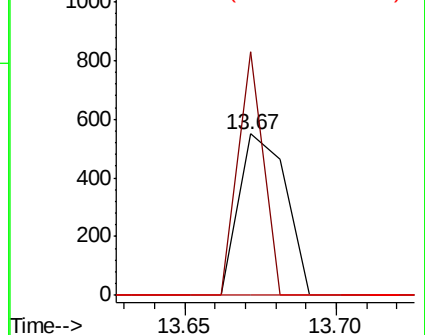
158 0.0 49.8 149.4#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#79

2-Chlorotoluene

Concen: 1.126 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.11 min

Lab File: VD063398.D

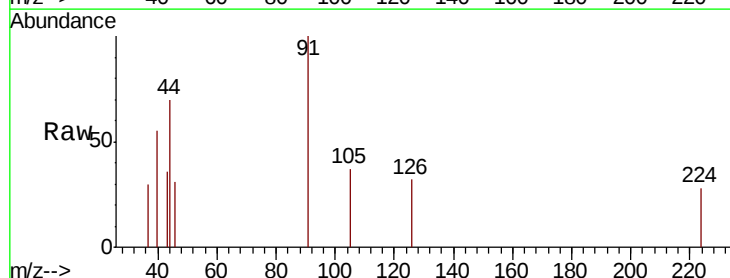
Acq: 6 Aug 2019 14:51

Tgt Ion: 91 Resp: 1218

Ion Ratio Lower Upper

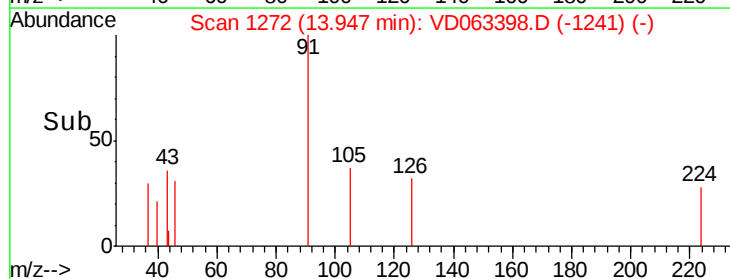
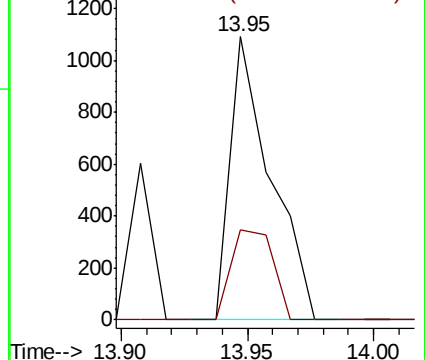
91 100

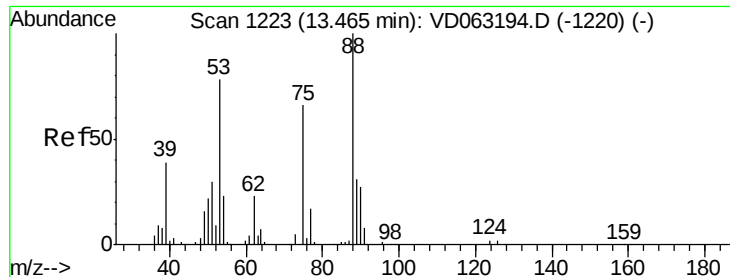
126 31.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 145.424 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

Instrument :

MSVOA\_D

ClientSampleId :

CP-MW3-S-8-12-SOIL

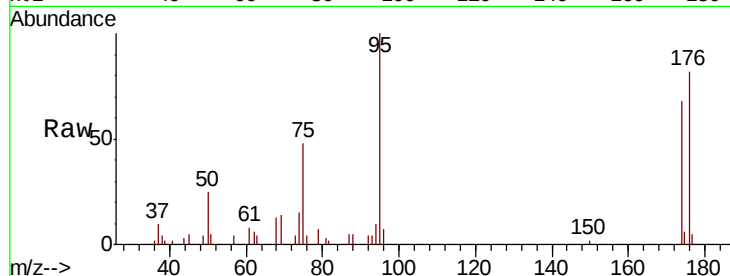
Tgt Ion: 75 Resp: 12118

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

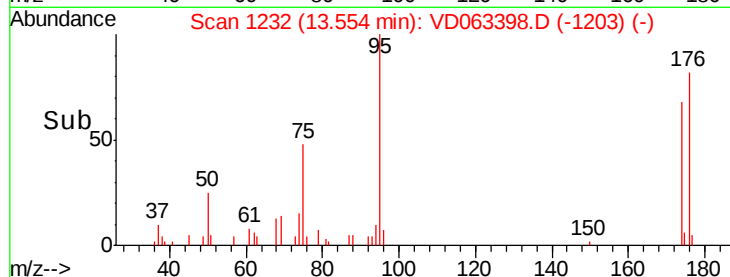
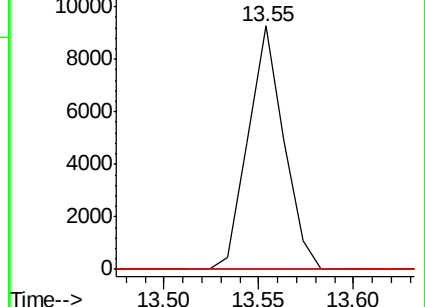
89 0.0 37.4 56.0#



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



#87

1,3-Dichlorobenzene

Concen: 1.409 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VD063398.D

Acq: 6 Aug 2019 14:51

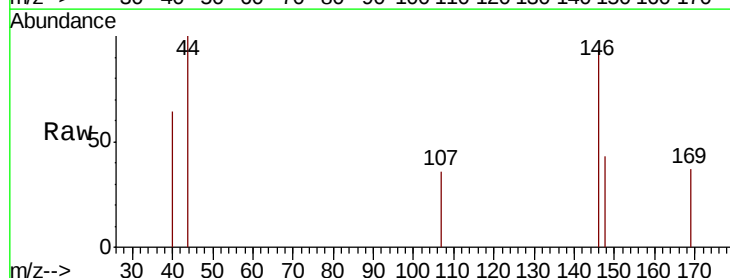
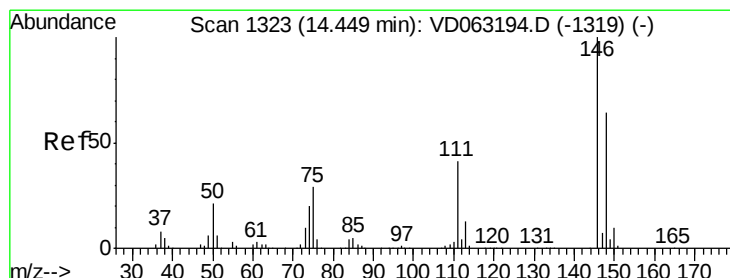
Tgt Ion: 146 Resp: 1115

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

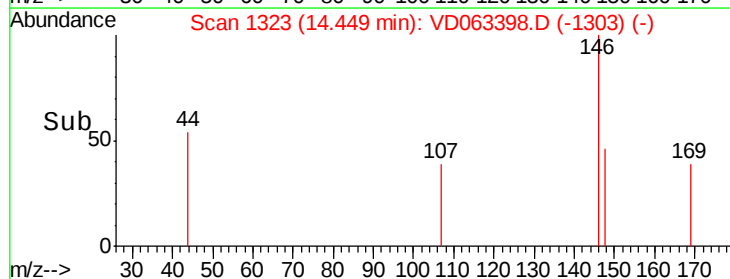
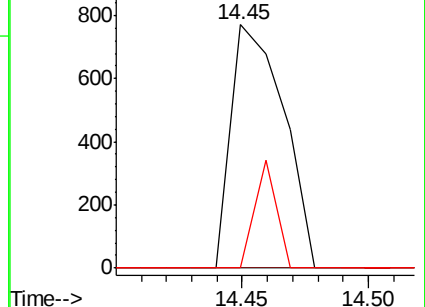
148 0.0 31.8 95.4#

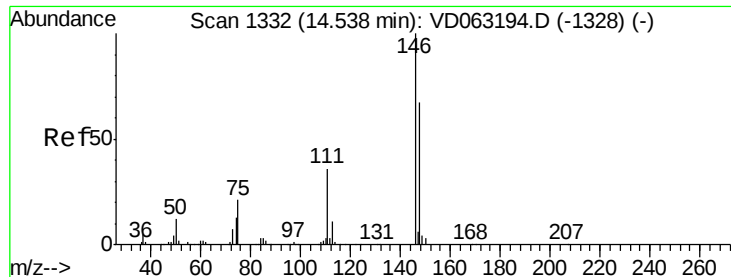


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

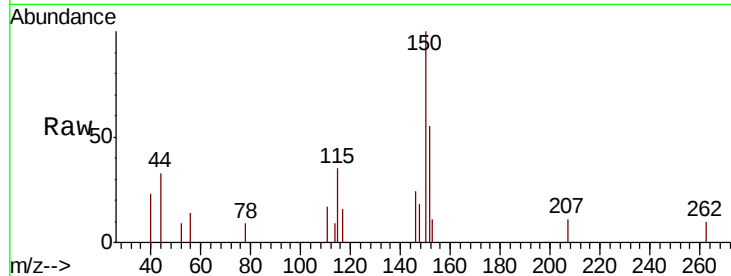




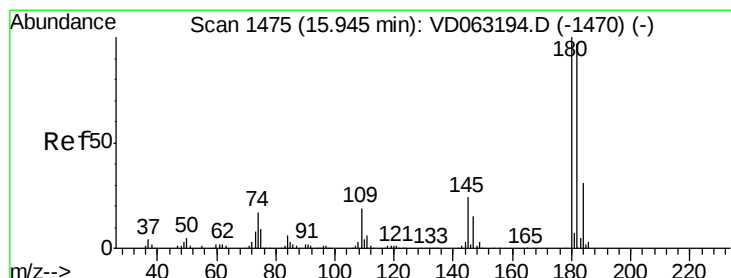
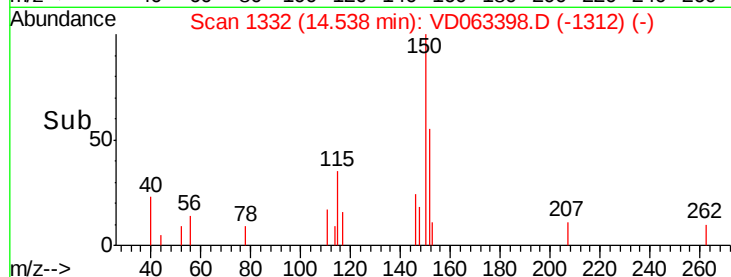
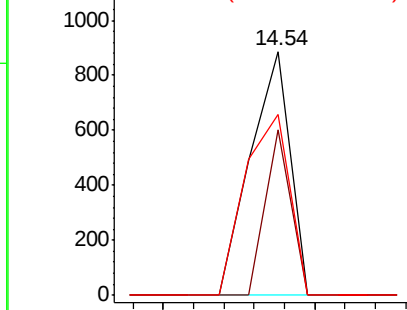
#88  
 1,4-Dichlorobenzene  
 Concen: 1.015 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CP-MW3-S-8-12-SOIL

Tgt Ion:146 Resp: 812  
 Ion Ratio Lower Upper  
 146 100  
 111 68.2 18.1 54.3#  
 148 74.3 33.4 100.1

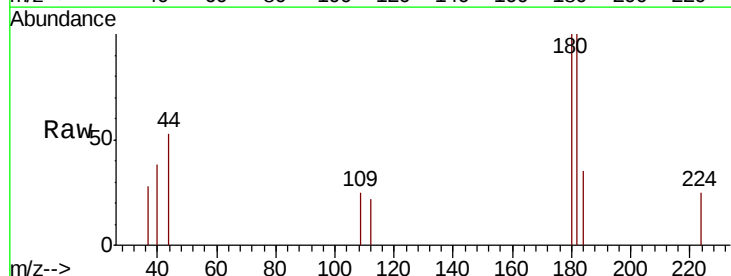


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

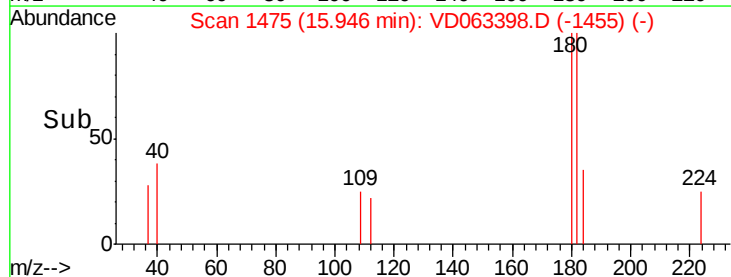
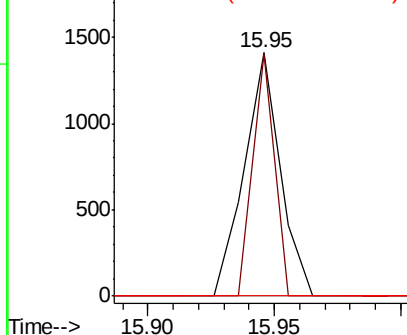


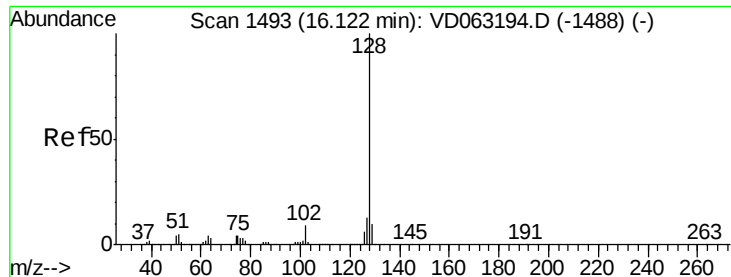
#93  
 1,2,4-Trichlorobenzene  
 Concen: 2.557 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. 0.00 min  
 Lab File: VD063398.D  
 Acq: 6 Aug 2019 14:51

Tgt Ion:180 Resp: 1398  
 Ion Ratio Lower Upper  
 180 100  
 182 99.6 48.6 145.8  
 145 0.0 12.2 36.6#



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

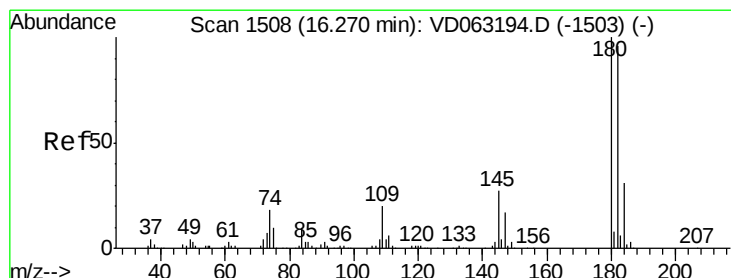
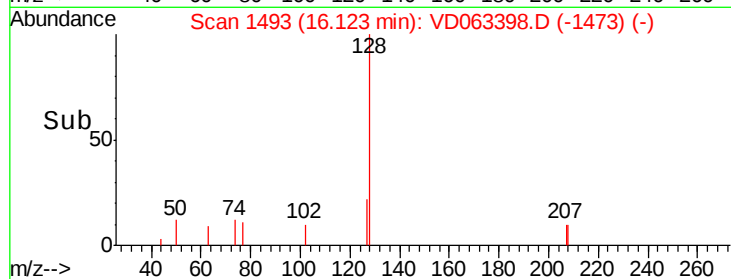
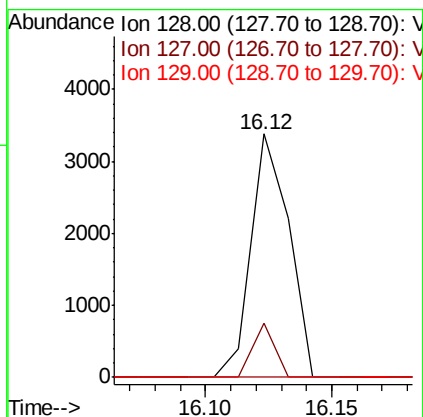
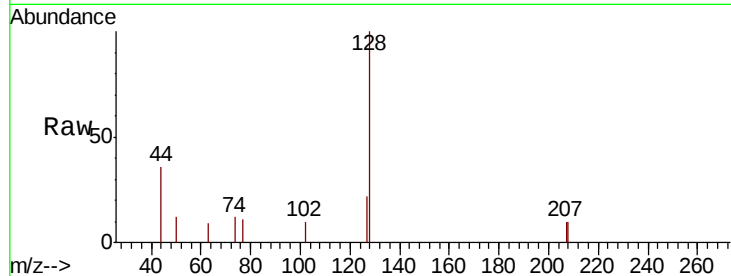




#95  
Naphthalene  
Concen: 4.577 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Instrument :  
MSVOA\_D  
ClientSampleId :  
CP-MW3-S-8-12-SOIL

Tgt Ion:128 Resp: 3537  
Ion Ratio Lower Upper  
128 100  
127 22.3 10.2 15.4#  
129 0.0 7.8 11.8#



#96  
1,2,3-Trichlorobenzene  
Concen: 1.296 ug/l  
RT: 16.28 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VD063398.D  
Acq: 6 Aug 2019 14:51

Tgt Ion:180 Resp: 560  
Ion Ratio Lower Upper  
180 100  
182 0.0 48.3 144.9#  
145 0.0 13.6 40.7#

