

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063411.D
 Acq On : 6 Aug 2019 20:49
 Operator : JC/SY
 Sample : K4165-04RE
 Misc : 5.01g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW4-W-8-10-SOIL

Quant Time: Aug 07 06:44:30 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	860111	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1139547	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	911127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	367087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	400178	41.93	ug/l	0.02
Spiked Amount			Recovery	=	83.86%	
35) Dibromofluoromethane	6.94	113	419260	43.09	ug/l	0.03
Spiked Amount			Recovery	=	86.18%	
50) Toluene-d8	10.41	98	775457	35.61	ug/l	0.00
Spiked Amount			Recovery	=	71.22%	
62) 4-Bromofluorobenzene	13.56	95	324137	32.67	ug/l	0.00
Spiked Amount			Recovery	=	65.34%	

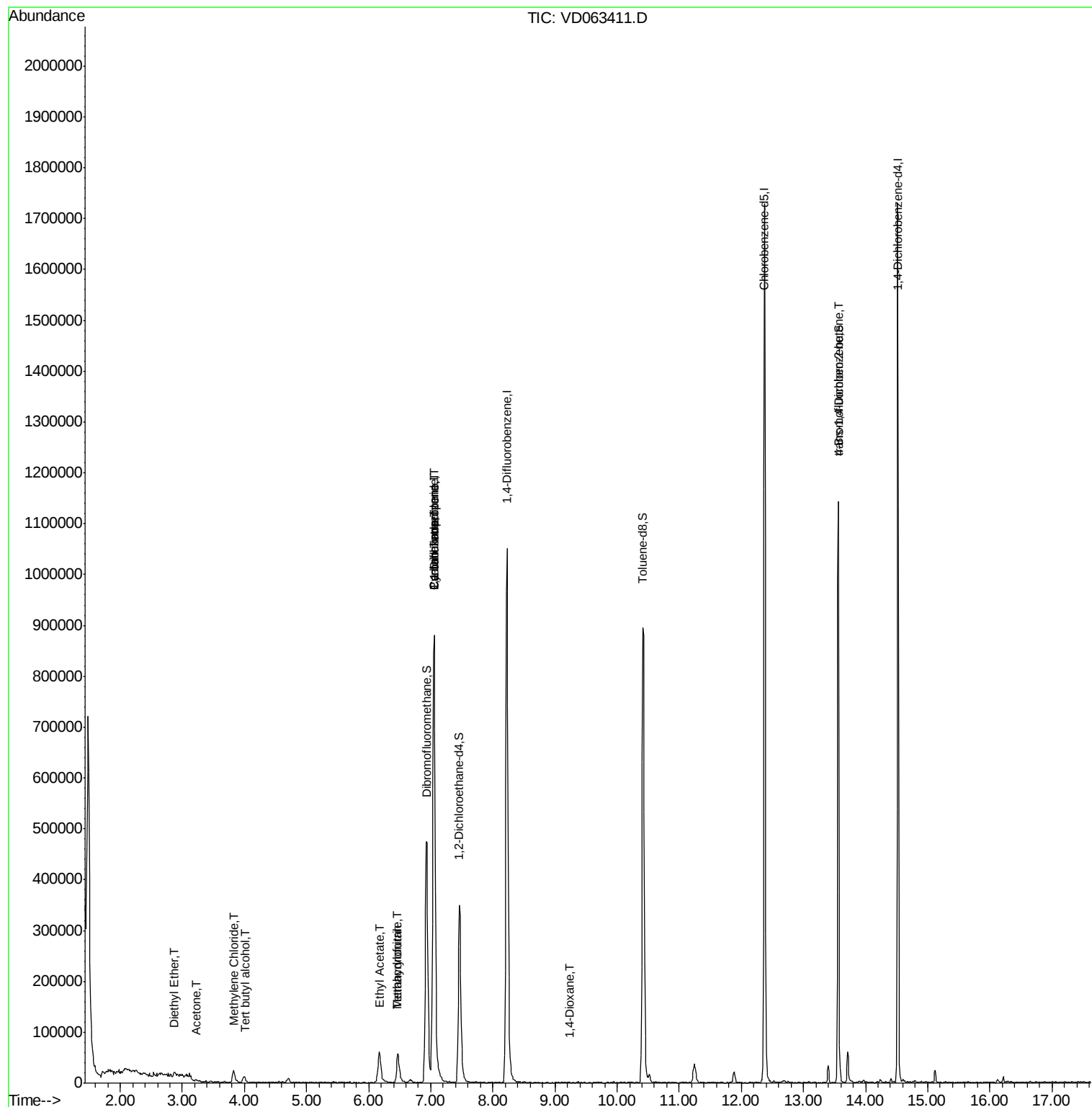
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	3661	1.595	ug/l	99
11) Tert butyl alcohol	4.00	59	9941	23.735	ug/l #	69
16) Acetone	3.23	43	9487	5.102	ug/l #	91
20) Methylene Chloride	3.82	84	14003	1.863	ug/l	93
29) Tetrahydrofuran	6.48	42	44145	49.964	ug/l	97
31) Cyclohexane	7.05	56	19115	2.249	ug/l #	8
36) 1,1-Dichloropropene	7.06	75	62595	6.019	ug/l #	52
37) Ethyl Acetate	6.18	43	5450	1.166	ug/l #	1
38) Carbon Tetrachloride	7.06	117	79332	5.067	ug/l #	13
41) Methacrylonitrile	6.47	41	34077	6.097	ug/l #	94
49) 1,4-Dioxane	9.22	88	194	1.807	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	147653	120.598	ug/l #	3

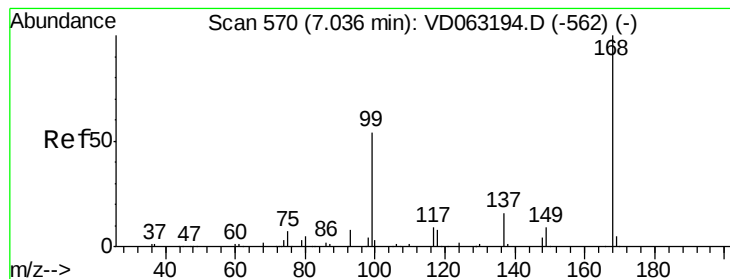
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
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CP-MW4-W-8-10-SOIL

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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: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

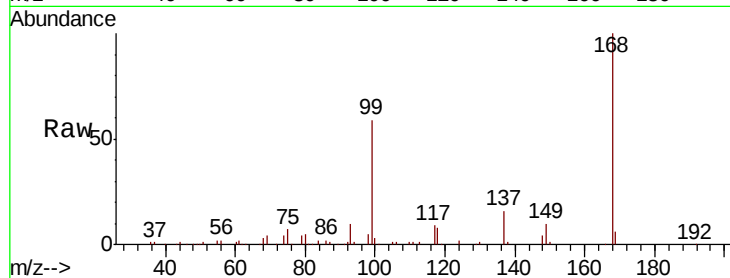
CP-MW4-W-8-10-SOIL

Tgt Ion:168 Resp: 860111

Ion Ratio Lower Upper

168 100

99 59.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

300000

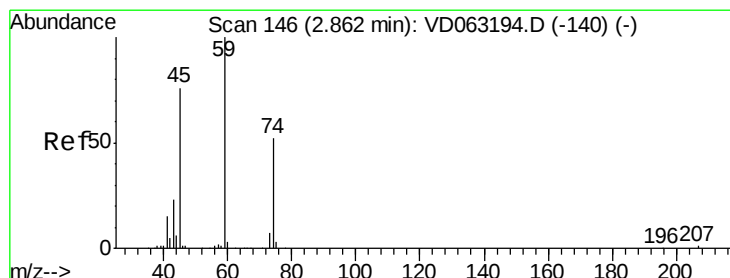
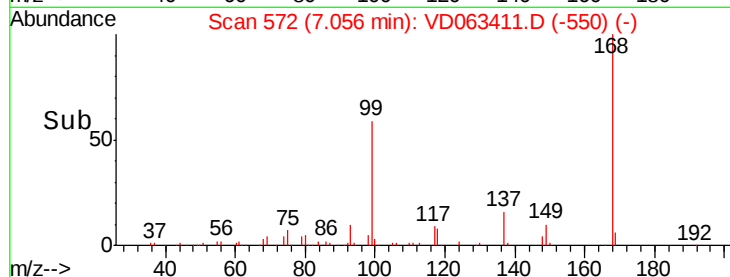
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#8

Diethyl Ether

Concen: 1.595 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD063411.D

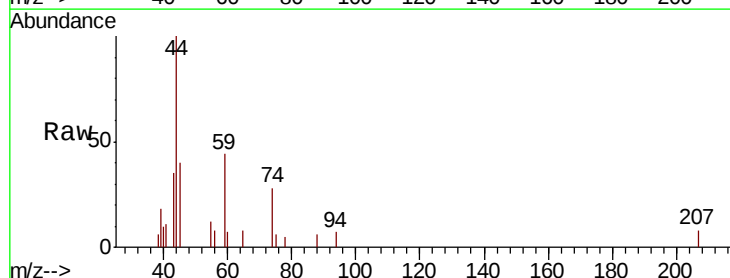
Acq: 6 Aug 2019 20:49

Tgt Ion: 74 Resp: 3661

Ion Ratio Lower Upper

74 100

45 146.0 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

3000

2500

2000

1500

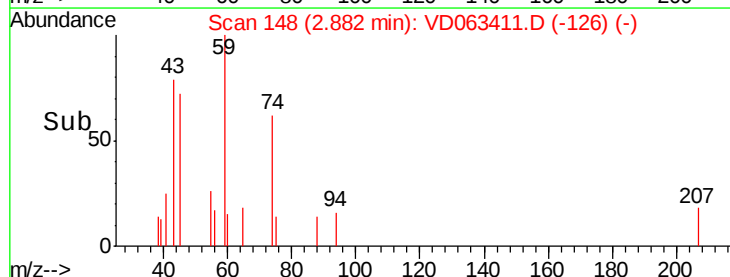
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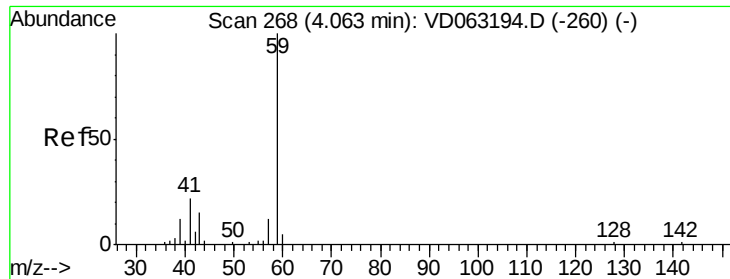
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0

Time-->

2.80 2.85 2.90 2.95

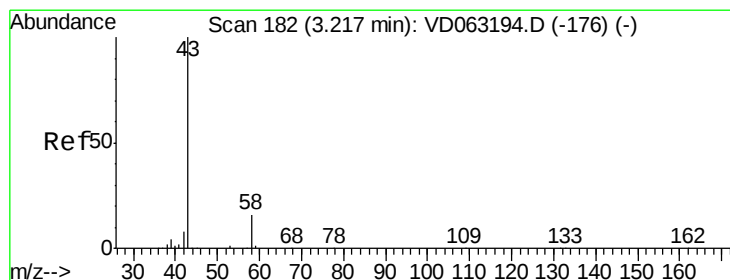
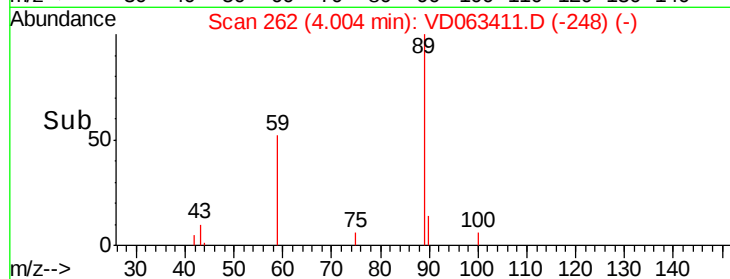
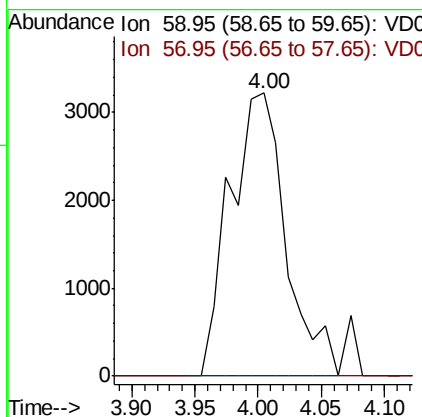
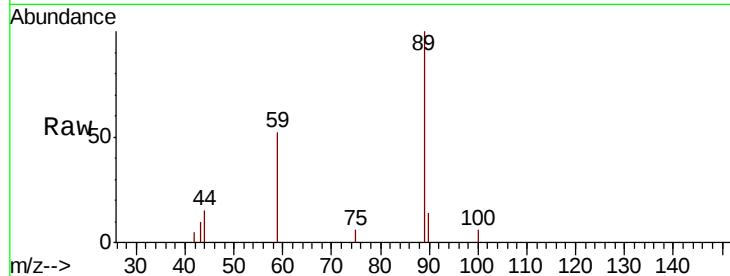




#11
Tert butyl alcohol
Concen: 23.735 ug/l
RT: 4.00 min Scan# 262
Delta R.T. -0.06 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

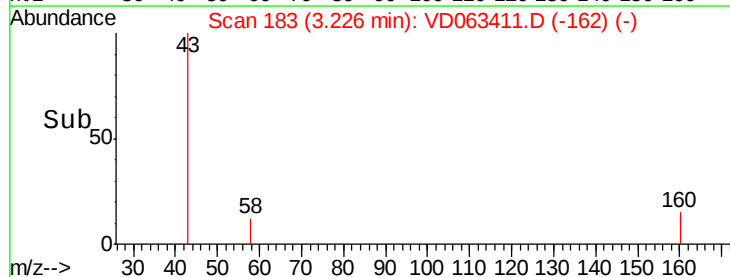
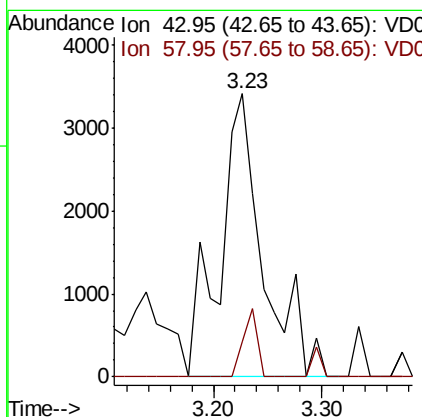
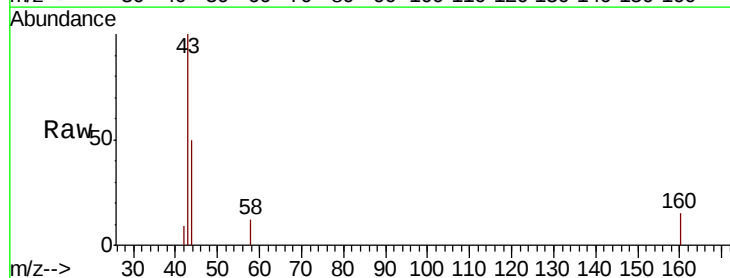
Instrument :
MSVOA_D
ClientSampleId :
CP-MW4-W-8-10-SOIL

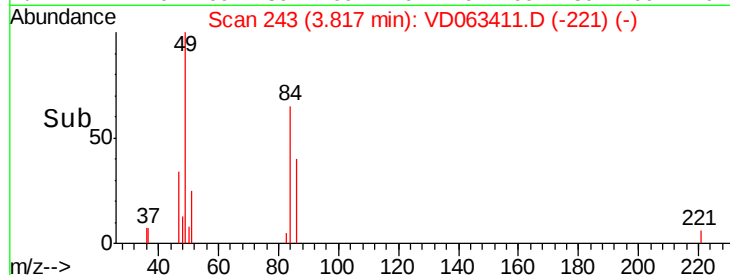
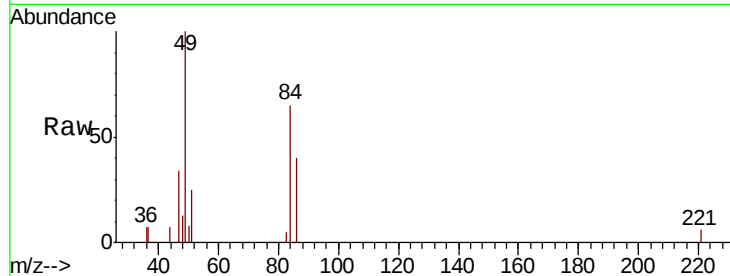
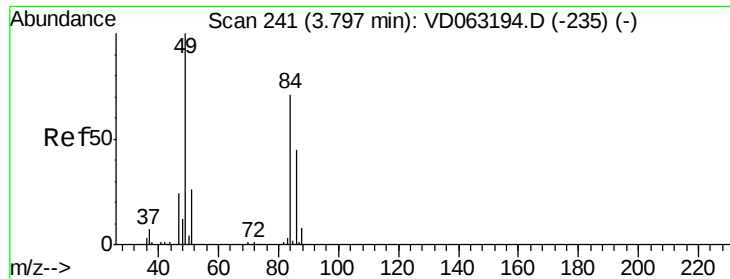
Tgt Ion: 59 Resp: 9941
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



#16
Acetone
Concen: 5.102 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Tgt Ion: 43 Resp: 9487
Ion Ratio Lower Upper
43 100
58 12.3 13.0 19.4#

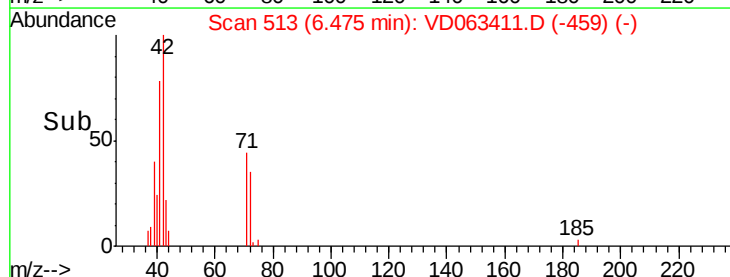
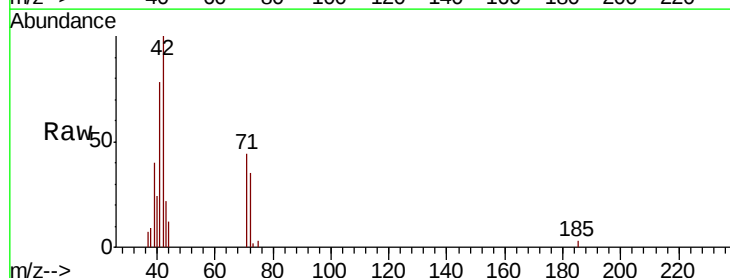
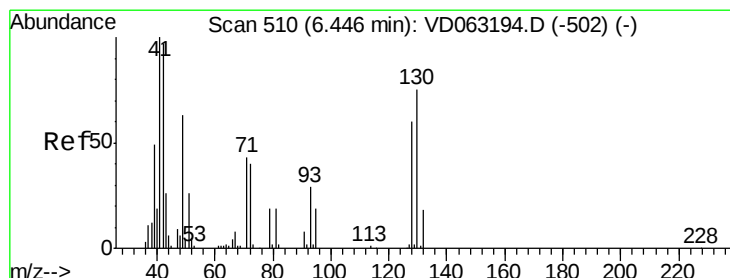
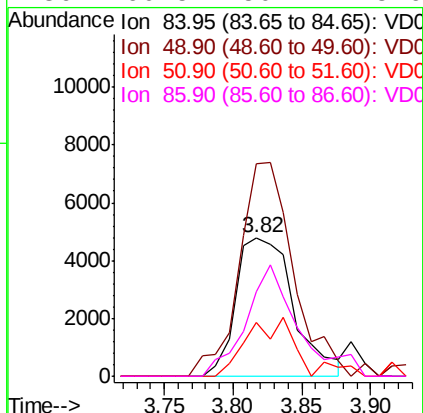




#20
Methylene Chloride
Concen: 1.863 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

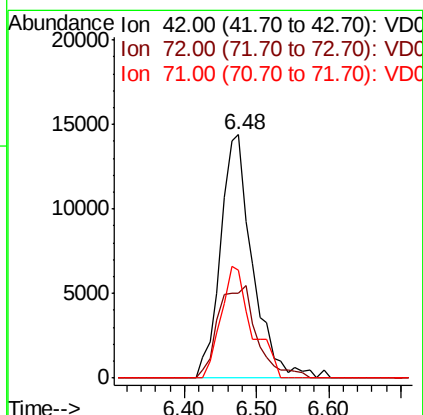
Instrument :
MSVOA_D
ClientSampleId :
CP-MW4-W-8-10-SOIL

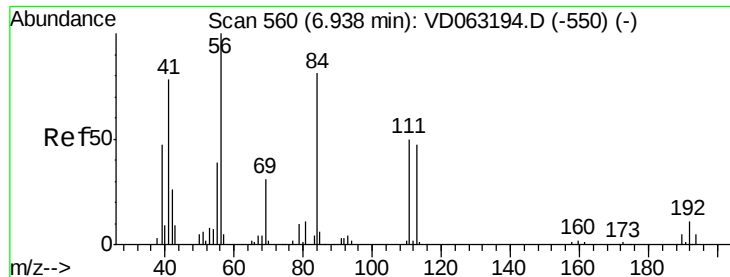
Tgt Ion: 84 Resp: 14003
Ion Ratio Lower Upper
84 100
49 153.0 112.5 168.7
51 38.5 29.6 44.4
86 60.5 50.4 75.6



#29
Tetrahydrofuran
Concen: 49.964 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Tgt Ion: 42 Resp: 44145
Ion Ratio Lower Upper
42 100
72 45.7 33.4 50.2
71 44.4 35.7 53.5

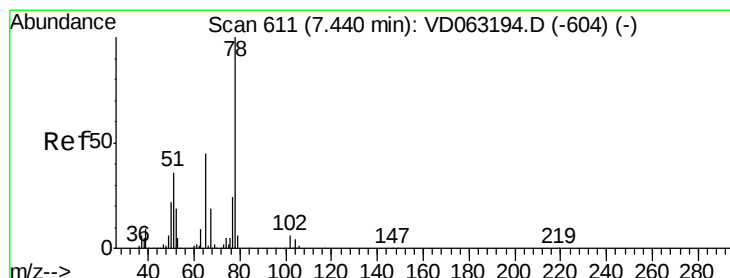
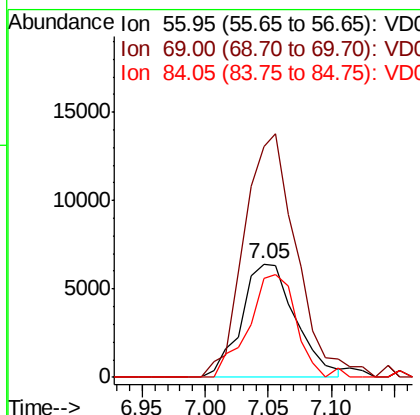
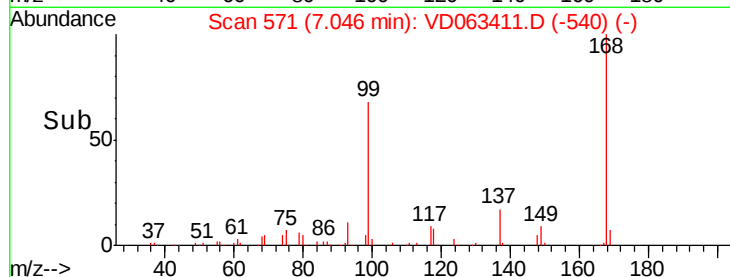
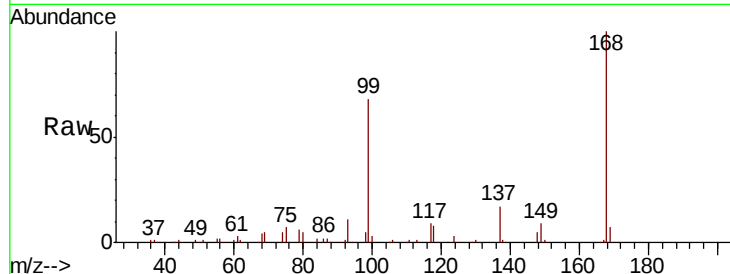




#31
Cyclohexane
Concen: 2.249 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

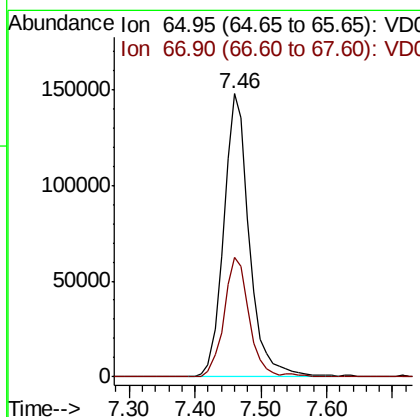
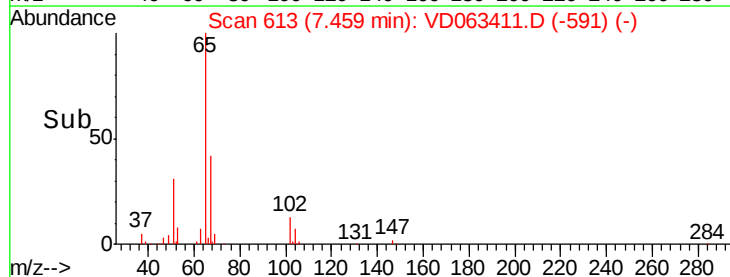
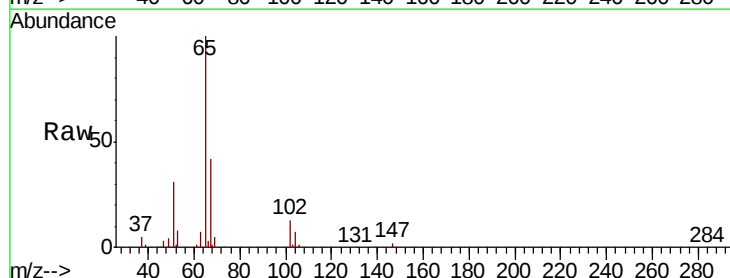
Instrument :
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ClientSampleId :
CP-MW4-W-8-10-SOIL

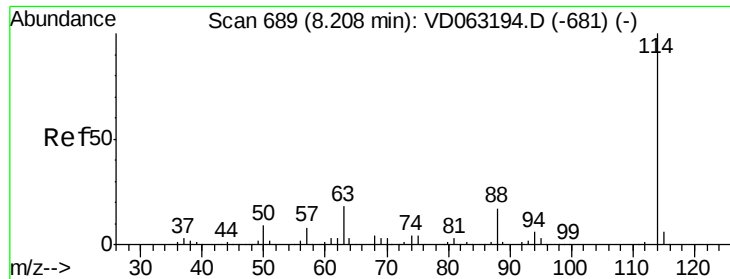
Tgt Ion: 56 Resp: 19115
Ion Ratio Lower Upper
56 100
69 204.4 24.5 36.7#
84 87.2 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 41.931 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Tgt Ion: 65 Resp: 400178
Ion Ratio Lower Upper
65 100
67 42.3 0.0 85.8

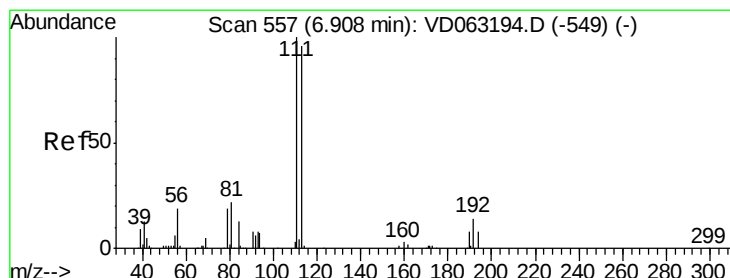
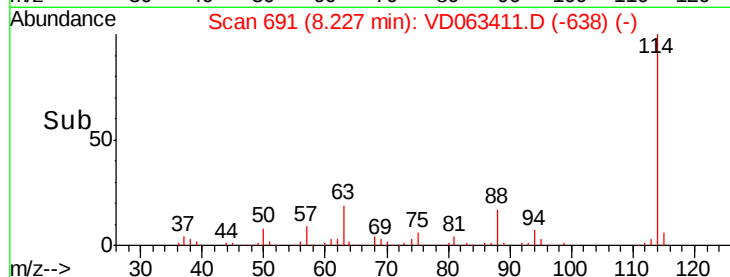
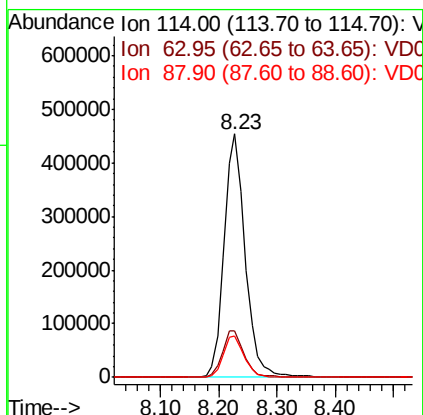
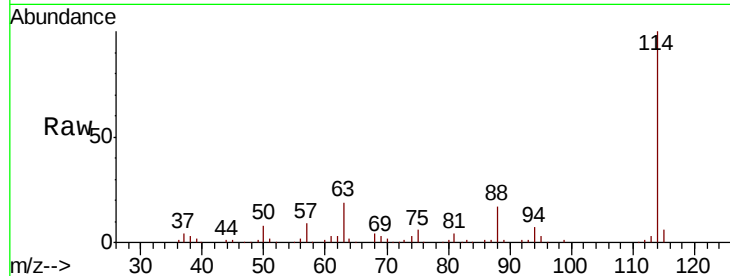




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063411.D
 Acq: 6 Aug 2019 20:49

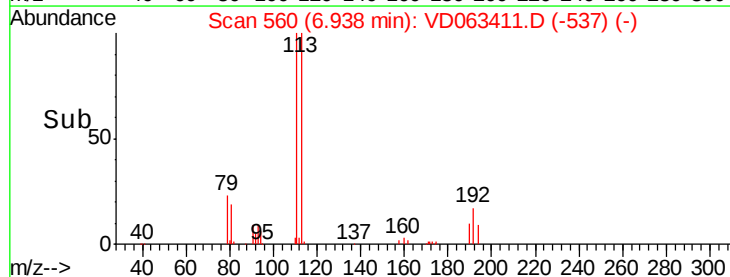
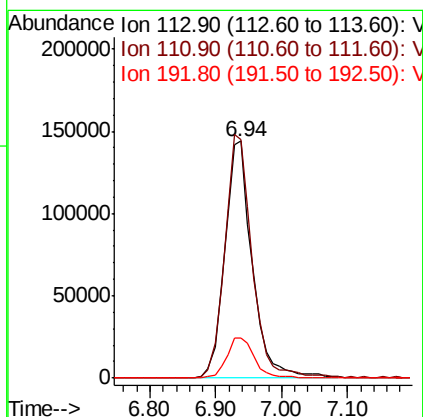
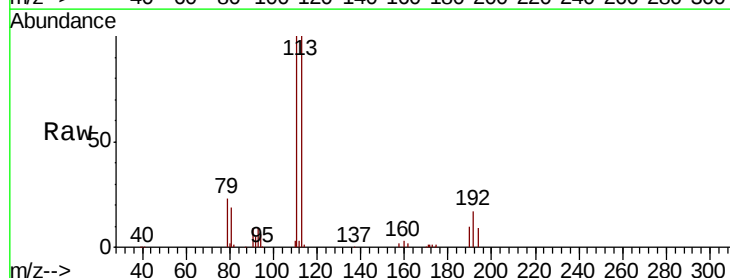
Instrument :
 MSVOA_D
 ClientSampleId :
 CP-MW4-W-8-10-SOIL

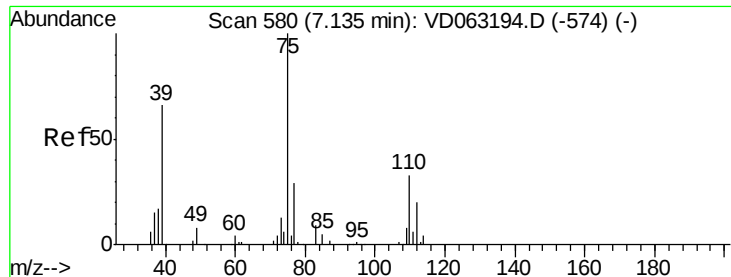
Tgt Ion:114 Resp: 1139547
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 35.2
 88 17.1 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 43.092 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD063411.D
 Acq: 6 Aug 2019 20:49

Tgt Ion:113 Resp: 419260
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.2 124.8
 192 16.8 11.8 17.8





#36

1,1-Dichloropropene

Concen: 6.019 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

CP-MW4-W-8-10-SOIL

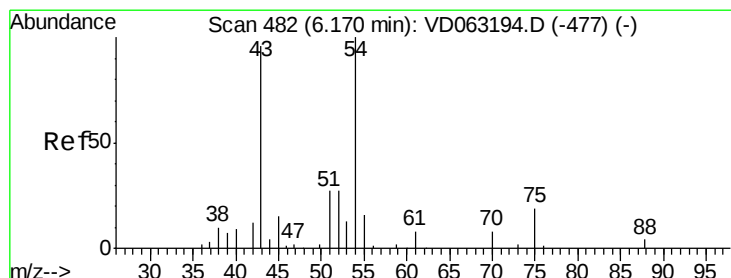
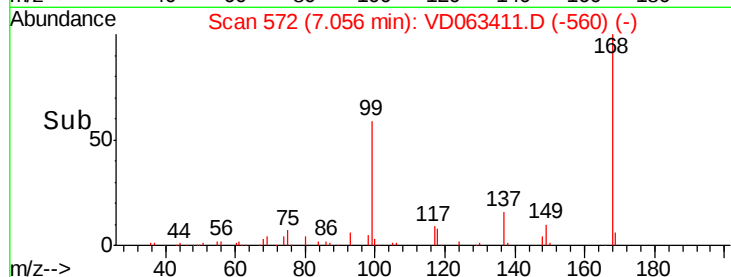
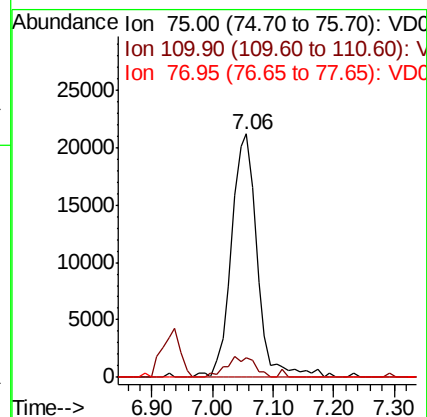
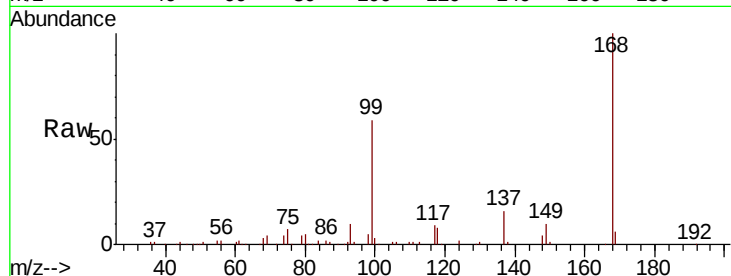
Tgt Ion: 75 Resp: 62595

Ion Ratio Lower Upper

75 100

110 7.8 16.1 48.2#

77 0.0 22.7 34.1#



#37

Ethyl Acetate

Concen: 1.166 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

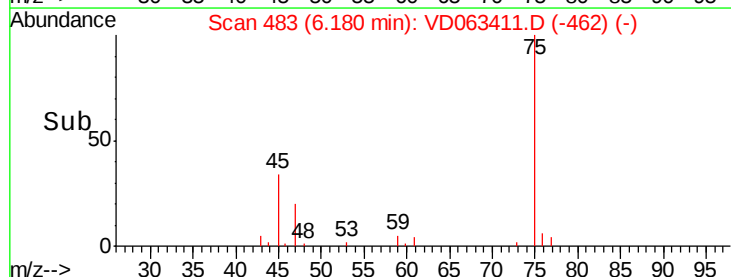
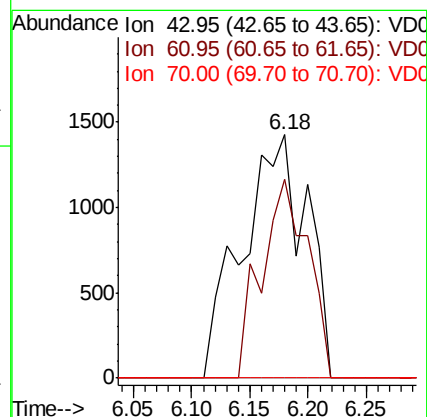
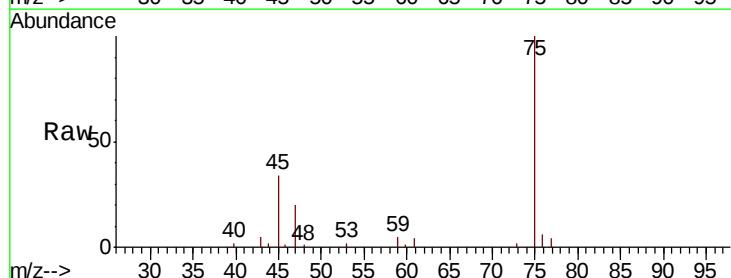
Tgt Ion: 43 Resp: 5450

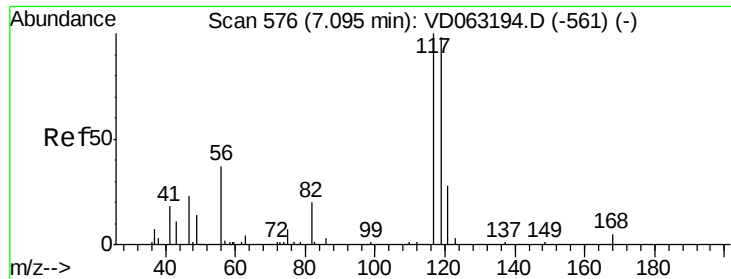
Ion Ratio Lower Upper

43 100

61 81.7 11.3 16.9#

70 0.0 5.1 7.7#

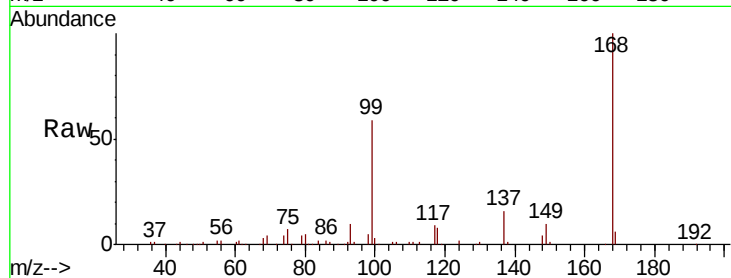




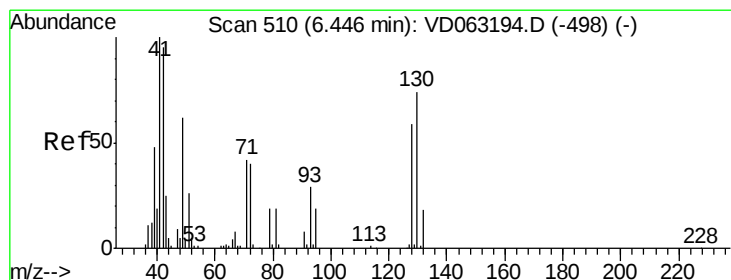
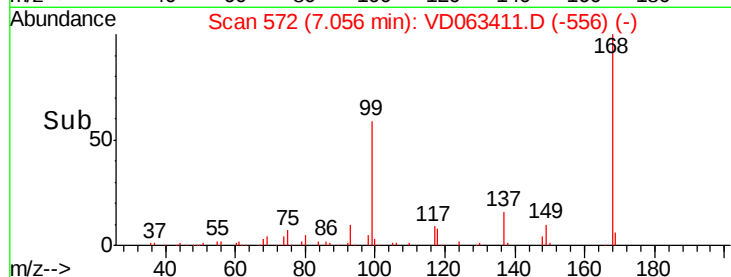
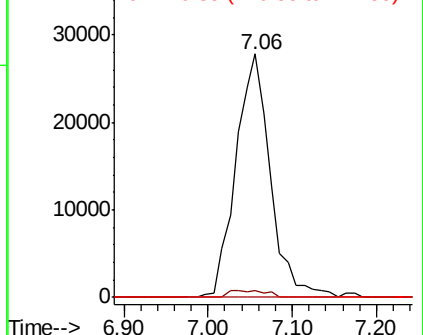
#38
Carbon Tetrachloride
Concen: 5.067 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Instrument :
MSVOA_D
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Tgt Ion: 117 Resp: 79332
Ion Ratio Lower Upper
117 100
119 2.7 78.2 117.2#
121 0.0 22.1 33.1#

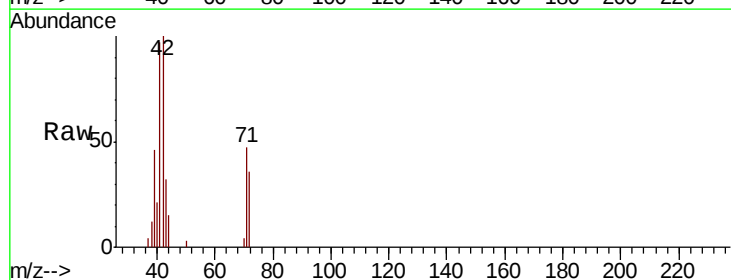


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

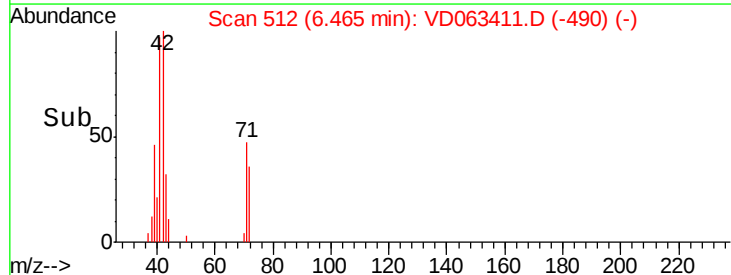
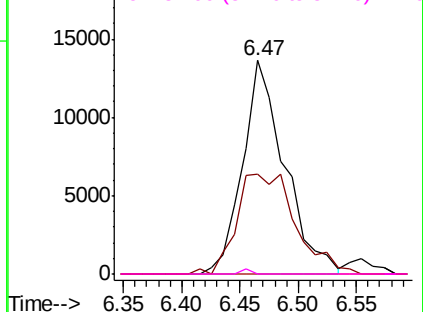


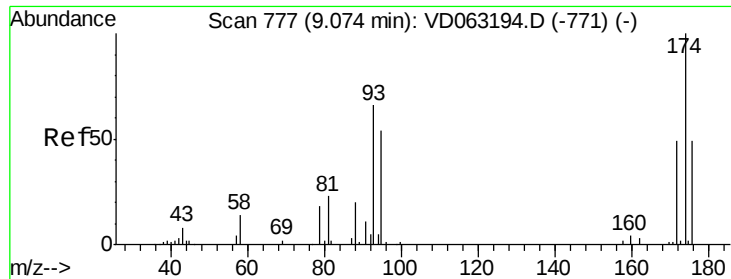
#41
Methacrylonitrile
Concen: 6.097 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Tgt Ion: 41 Resp: 34077
Ion Ratio Lower Upper
41 100
39 46.8 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

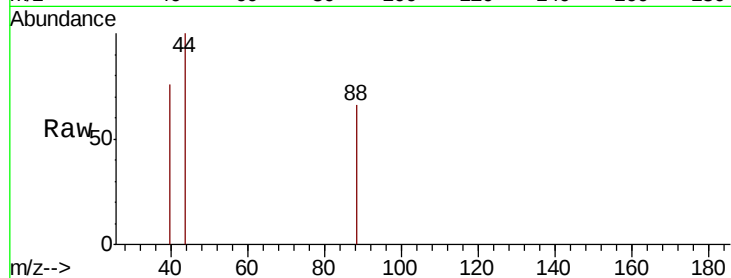




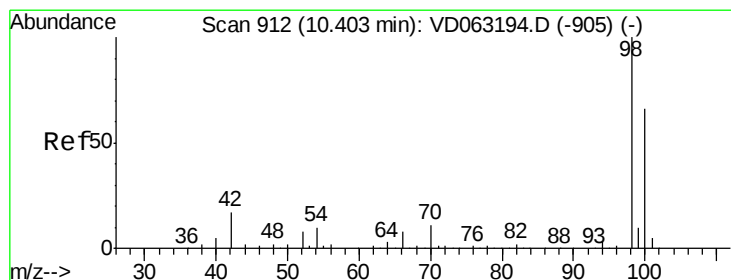
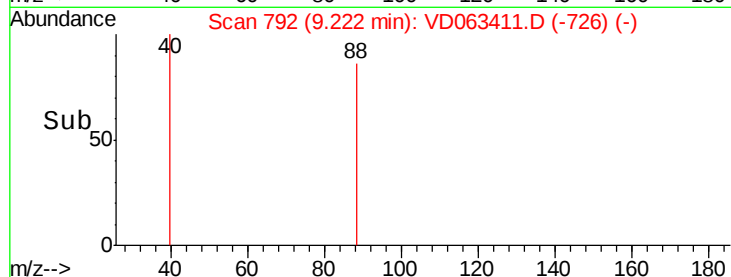
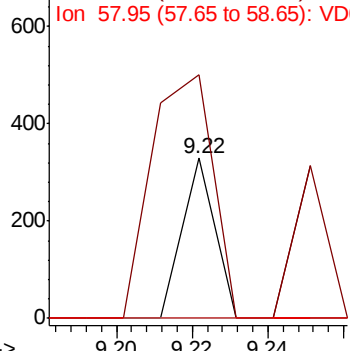
#49
1,4-Dioxane
Concen: 1.807 ug/l
RT: 9.22 min Scan# 792
Delta R.T. 0.15 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Instrument :
MSVOA_D
ClientSampleId :
CP-MW4-W-8-10-SOIL

Tgt Ion: 88 Resp: 194
Ion Ratio Lower Upper
88 100
43 152.3 30.7 46.1#
58 0.0 56.5 84.7#

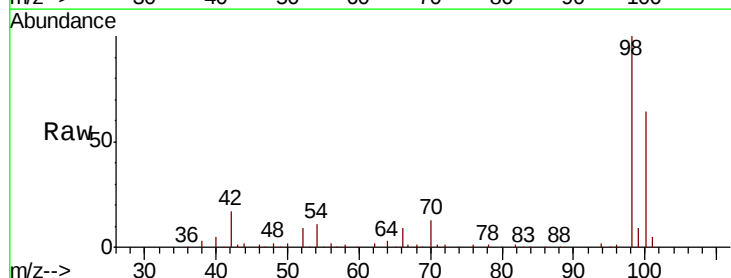


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

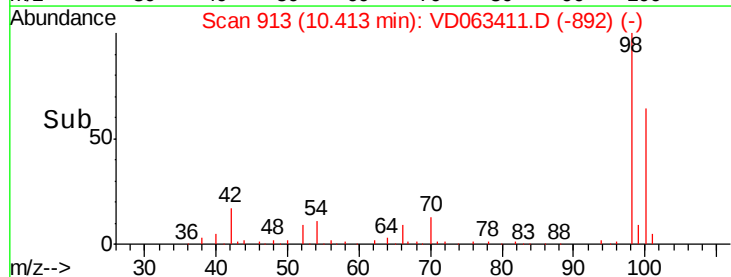
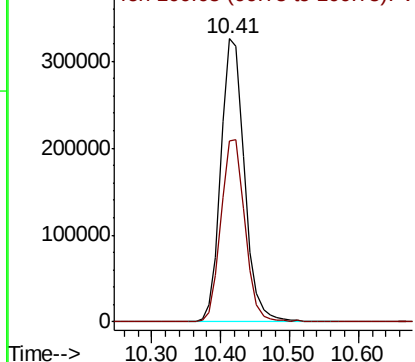


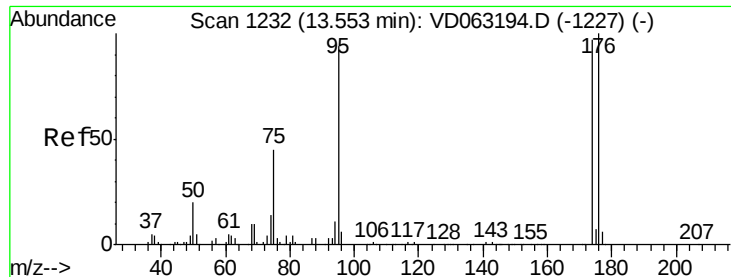
#50
Toluene-d8
Concen: 35.614 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD063411.D
Acq: 6 Aug 2019 20:49

Tgt Ion: 98 Resp: 775457
Ion Ratio Lower Upper
98 100
100 64.0 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 32.667 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

CP-MW4-W-8-10-SOIL

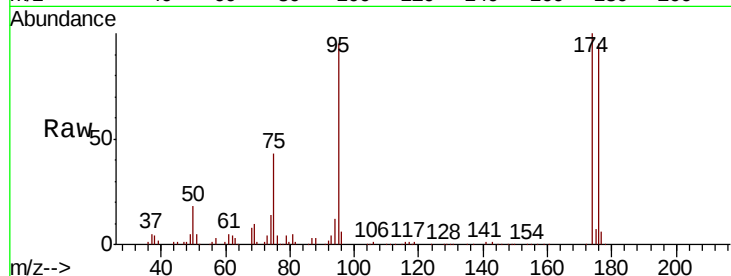
Tgt Ion: 95 Resp: 324137

Ion Ratio Lower Upper

95 100

174 104.7 0.0 205.4

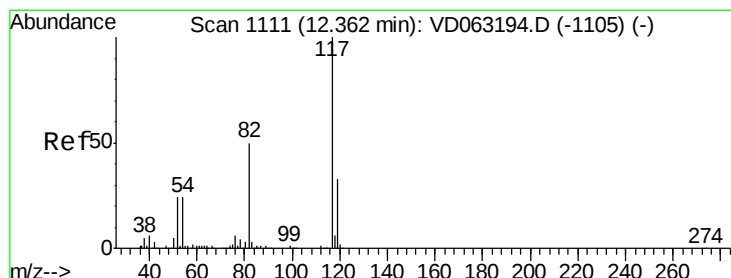
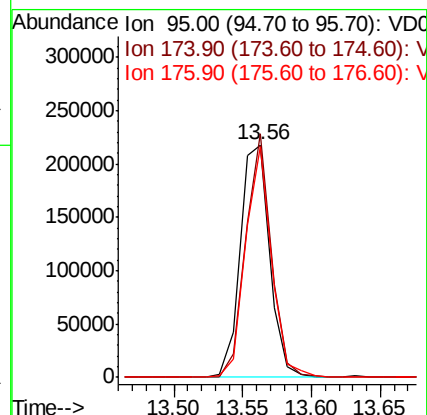
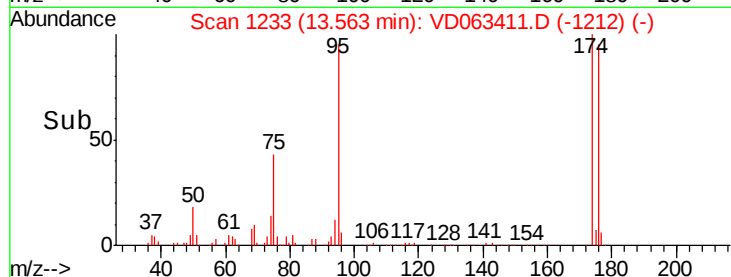
176 99.1 0.0 211.8



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

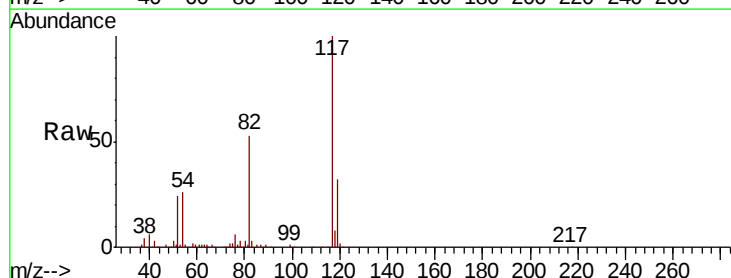
Tgt Ion: 117 Resp: 911127

Ion Ratio Lower Upper

117 100

82 52.6 40.1 60.1

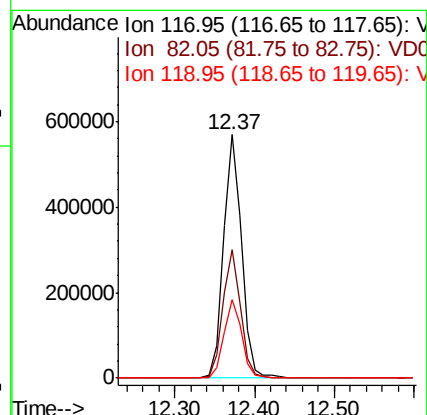
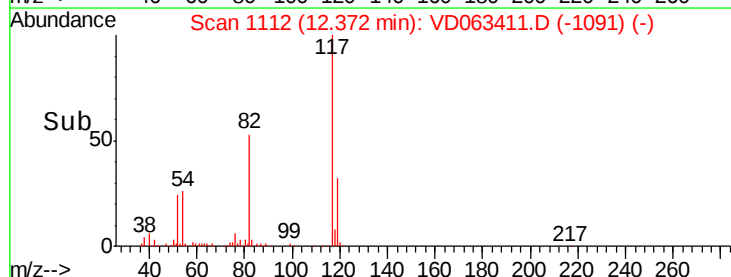
119 32.3 26.5 39.7

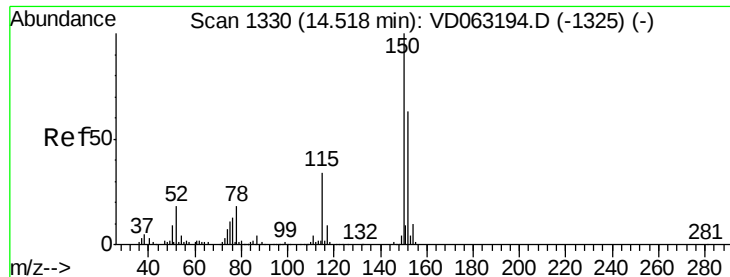


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063411.D

Acq: 6 Aug 2019 20:49

Instrument :

MSVOA_D

ClientSampleId :

CP-MW4-W-8-10-SOIL

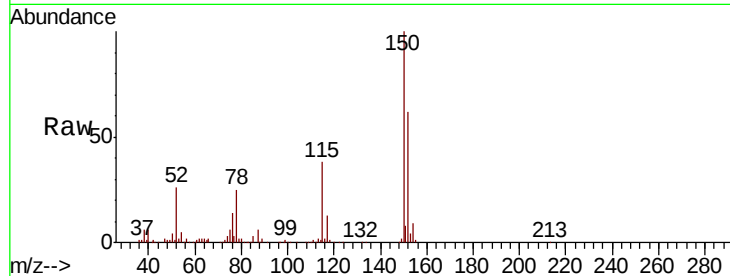
Tgt Ion:152 Resp: 367087

Ion Ratio Lower Upper

152 100

115 61.2 27.5 82.4

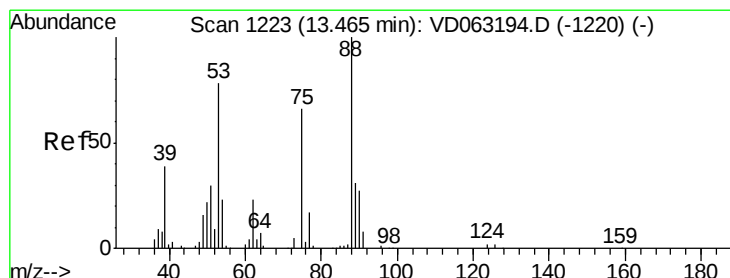
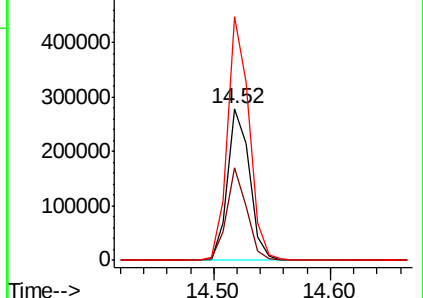
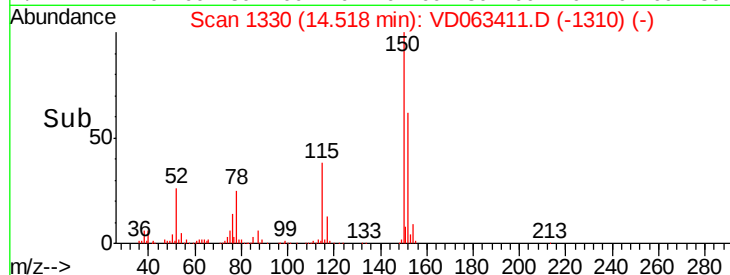
150 160.6 0.0 320.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 120.598 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063411.D

Acq: 6 Aug 2019 20:49

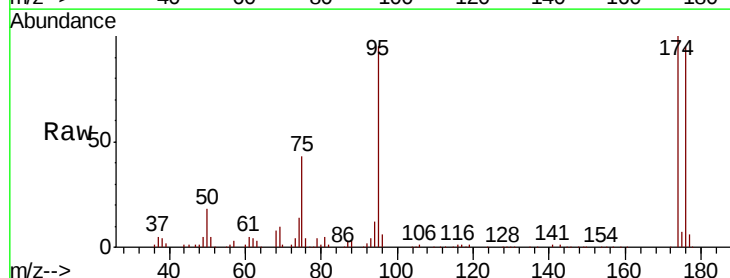
Tgt Ion: 75 Resp: 147653

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

