

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063441.D
 Acq On : 8 Aug 2019 16:30
 Operator : JC/SY
 Sample : K4223-06
 Misc : 4.87g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Quant Time: Aug 09 06:58:44 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	783154	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1015346	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	659522	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	168633	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	493877	56.83	ug/l	0.03
Spiked Amount			Recovery	=	113.66%	
35) Dibromofluoromethane	6.94	113	516479	59.58	ug/l	0.03
Spiked Amount			Recovery	=	119.16%	
50) Toluene-d8	10.42	98	879896	45.35	ug/l	0.02
Spiked Amount			Recovery	=	90.70%	
62) 4-Bromofluorobenzene	13.56	95	236954	26.80	ug/l	0.00
Spiked Amount			Recovery	=	53.60%	

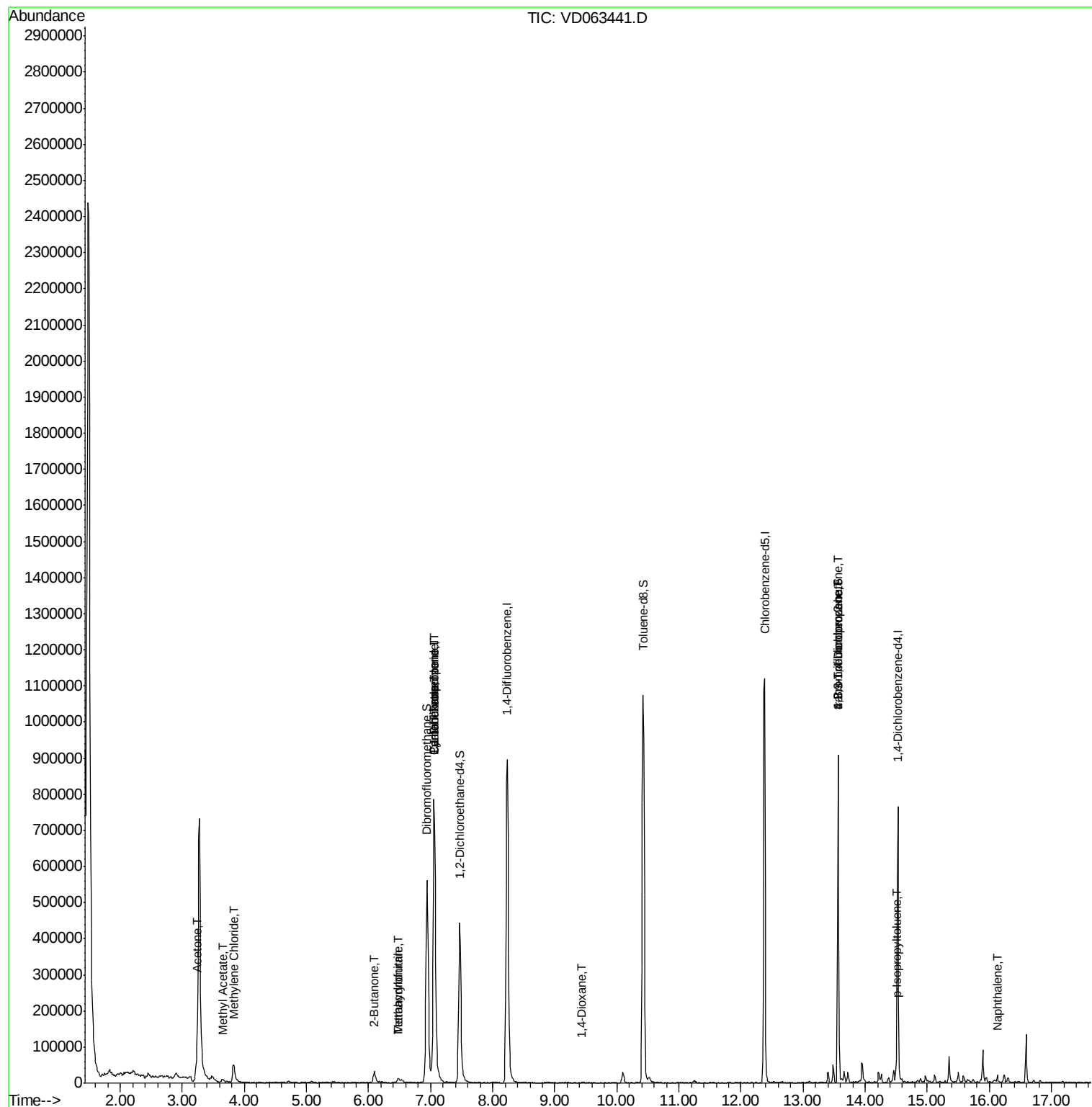
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.24	43	130804	77.256	ug/l	98
18) Methyl Acetate	3.66	43	14322	4.404	ug/l	97
20) Methylene Chloride	3.82	84	31555	4.611	ug/l #	77
25) 2-Butanone	6.09	43	53433	31.446	ug/l #	91
29) Tetrahydrofuran	6.46	42	9659	12.007	ug/l	96
31) Cyclohexane	7.06	56	16149	2.086	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	55189	5.956	ug/l #	58
38) Carbon Tetrachloride	7.06	117	79813	5.721	ug/l #	15
41) Methacrylonitrile	6.48	41	6031	1.211	ug/l #	88
49) 1,4-Dioxane	9.44	88	183	2.156	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	82380	40.671	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	112868	200.676	ug/l #	3
86) p-Isopropyltoluene	14.50	119	25763	2.458	ug/l	97
95) Naphthalene	16.13	128	9639	1.848	ug/l #	90

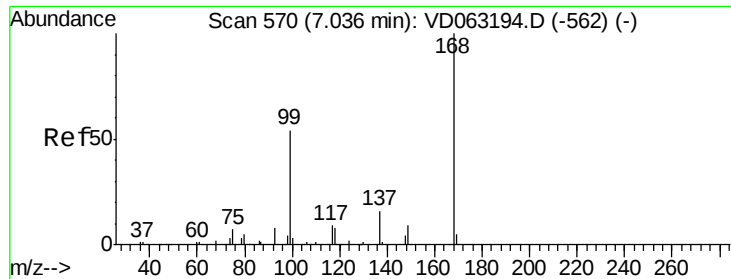
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
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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: VD063441.D

Acq: 8 Aug 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

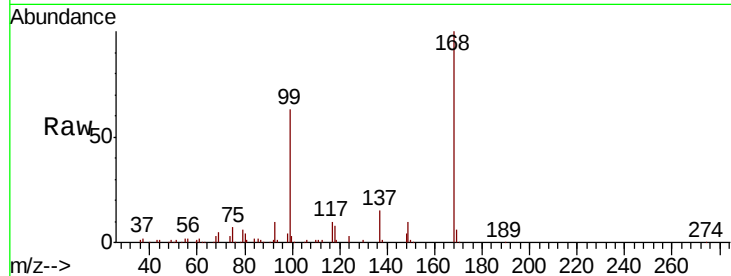
SP-3

Tgt Ion:168 Resp: 783154

Ion Ratio Lower Upper

168 100

99 63.2 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

250000

200000

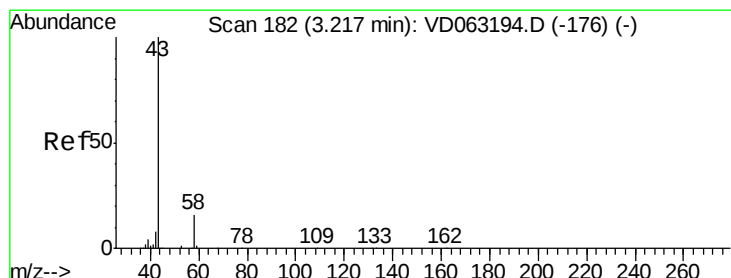
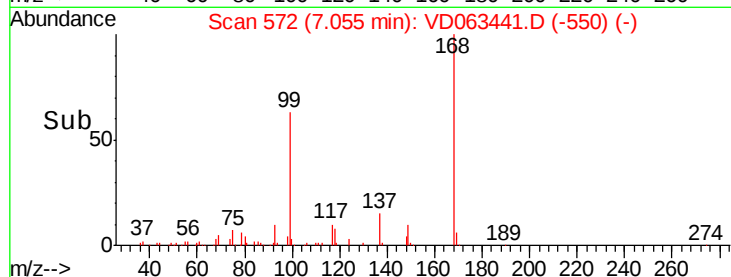
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 77.256 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063441.D

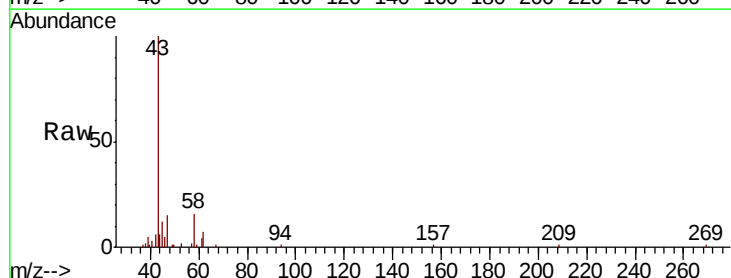
Acq: 8 Aug 2019 16:30

Tgt Ion: 43 Resp: 130804

Ion Ratio Lower Upper

43 100

58 15.5 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

60000

50000

40000

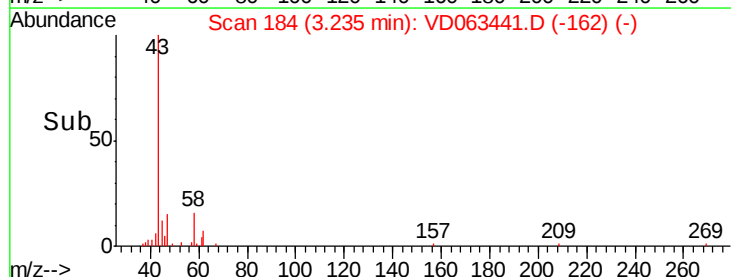
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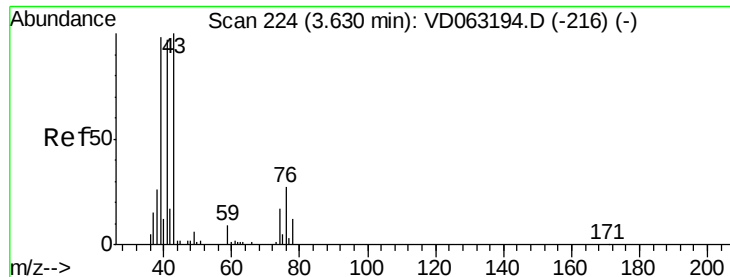
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Time-->

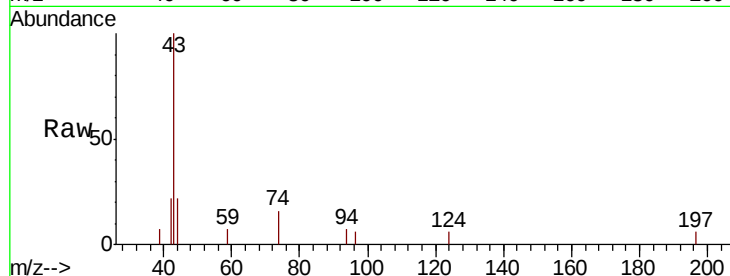




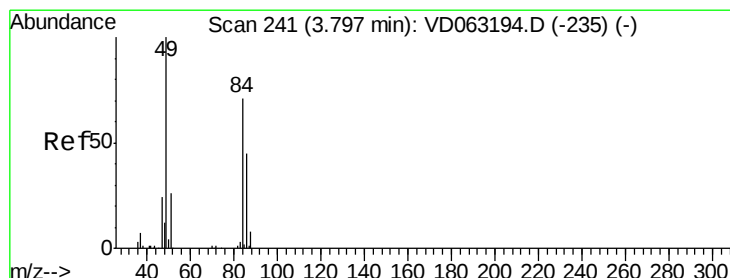
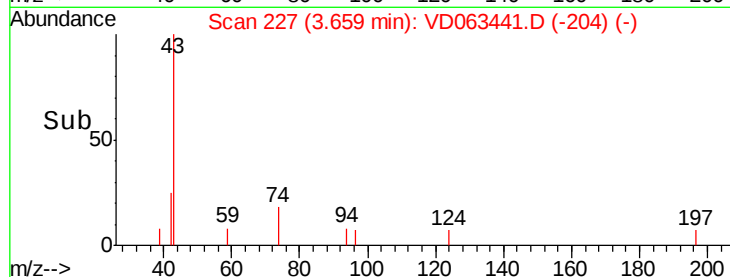
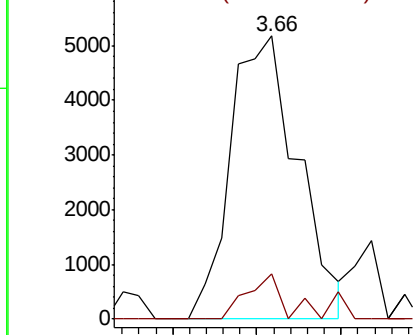
#18
Methyl Acetate
Concen: 4.404 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Tgt Ion: 43 Resp: 14322
Ion Ratio Lower Upper
43 100
74 15.8 13.8 20.8

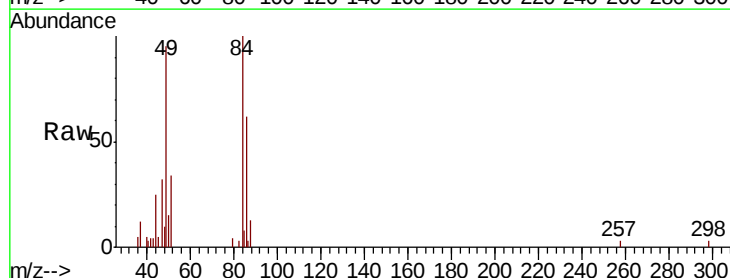


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

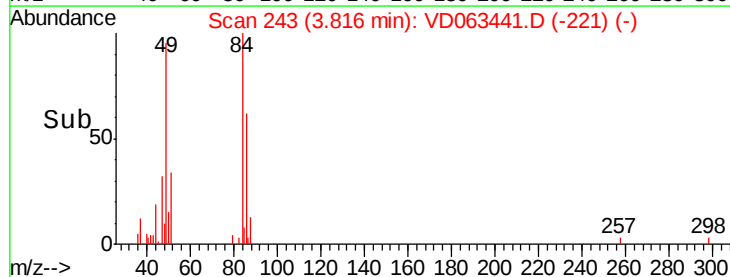
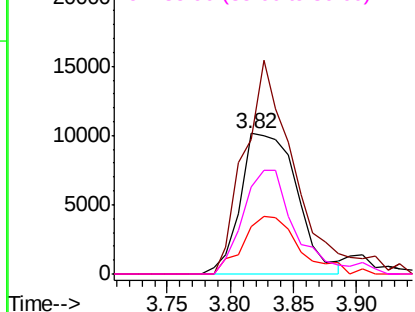


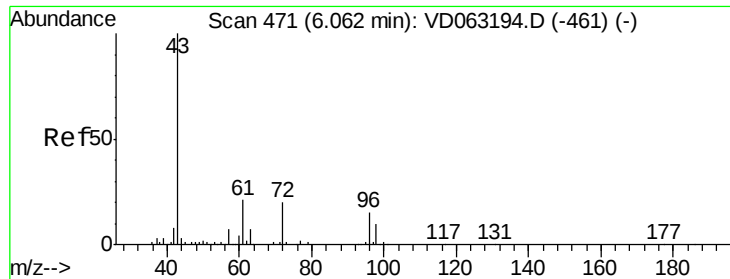
#20
Methylene Chloride
Concen: 4.611 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

Tgt Ion: 84 Resp: 31555
Ion Ratio Lower Upper
84 100
49 95.3 112.5 168.7#
51 33.5 29.6 44.4
86 61.7 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 31.446 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

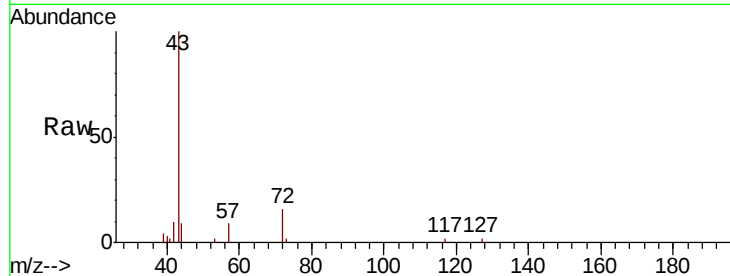
SP-3

Tgt Ion: 43 Resp: 53433

Ion Ratio Lower Upper

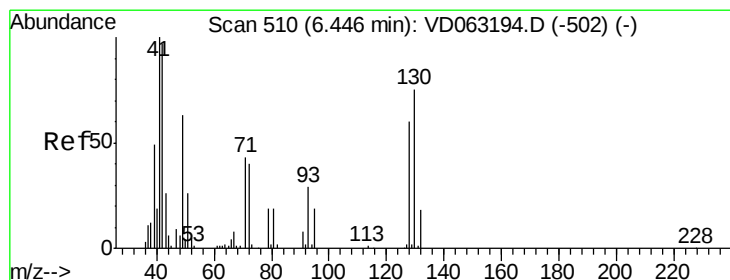
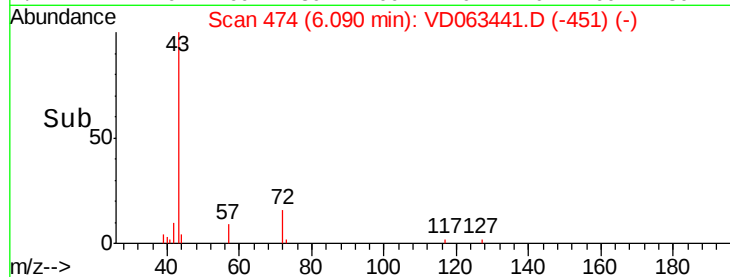
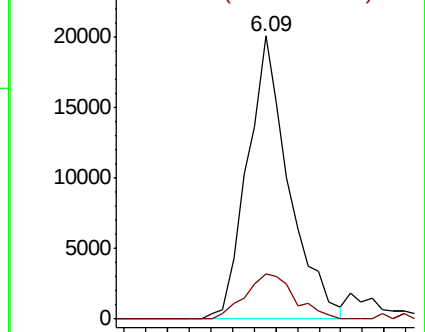
43 100

72 16.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 12.007 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

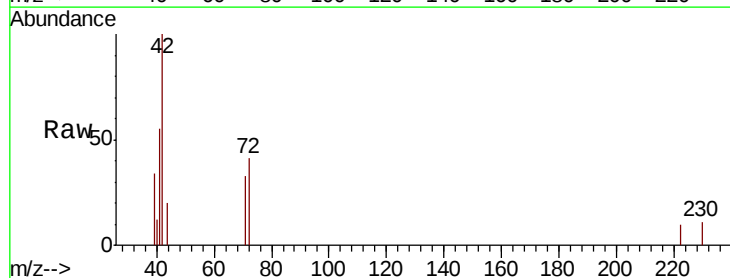
Tgt Ion: 42 Resp: 9659

Ion Ratio Lower Upper

42 100

72 45.2 33.4 50.2

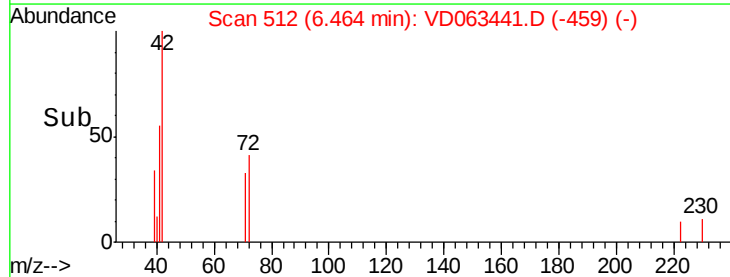
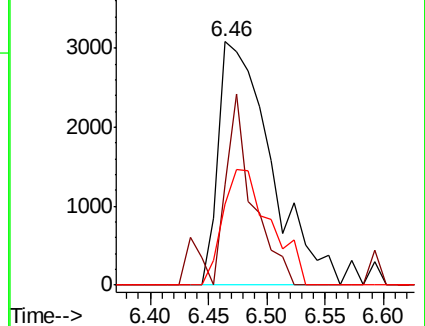
71 42.8 35.7 53.5

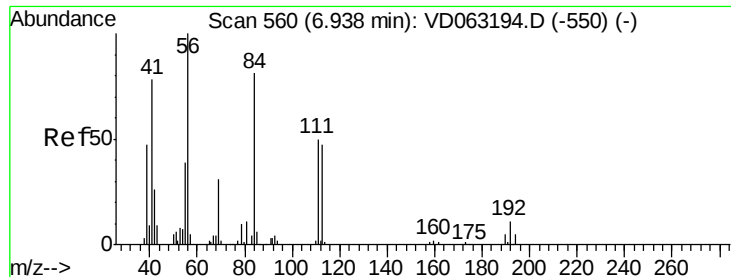


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

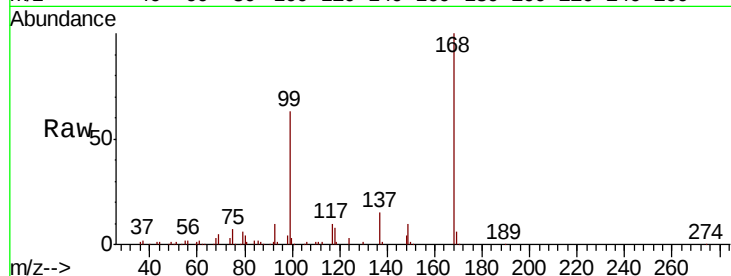




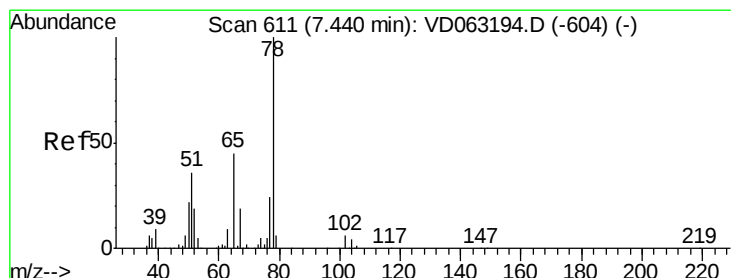
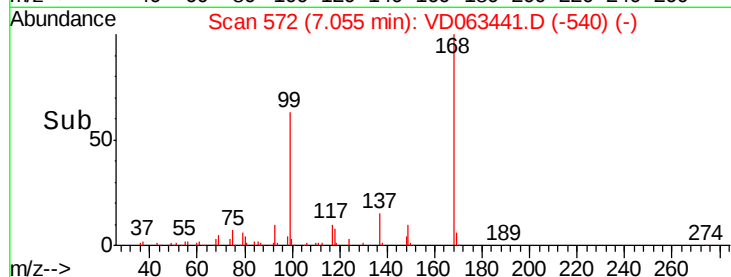
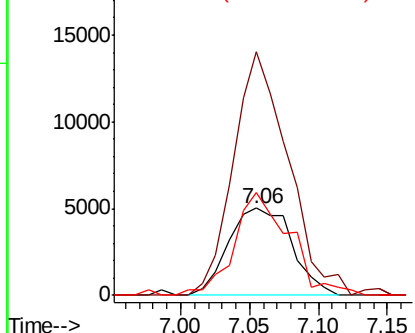
#31
Cyclohexane
Concen: 2.086 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

Instrument :
MSVOA_D
ClientSampleId :
SP-3

Tgt Ion: 56 Resp: 16149
Ion Ratio Lower Upper
56 100
69 279.6 24.5 36.7#
84 118.4 64.9 97.3#

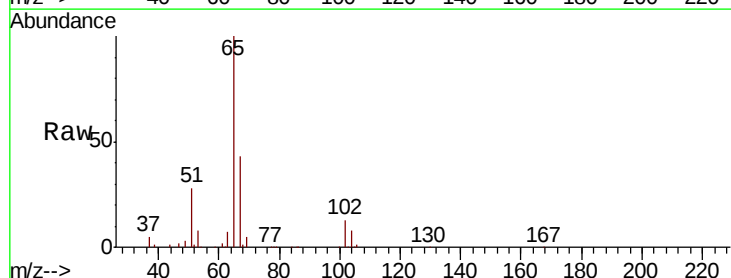


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

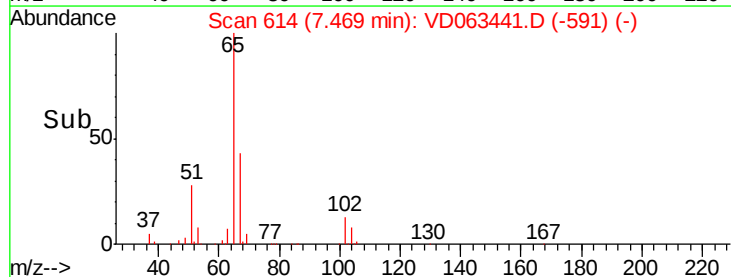
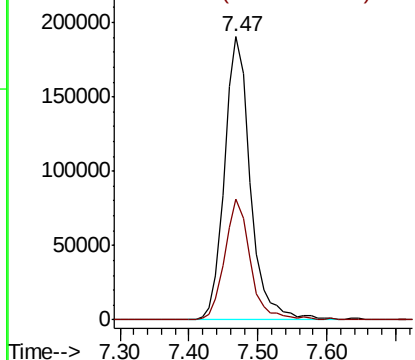


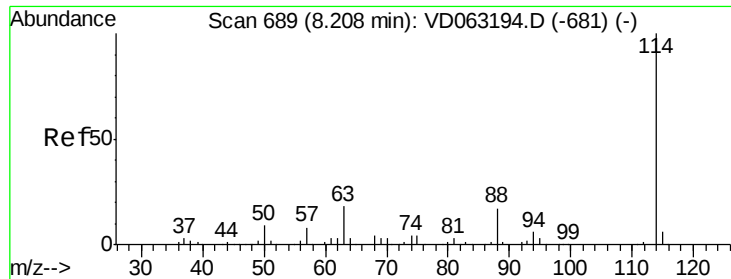
#33
1,2-Dichloroethane-d4
Concen: 56.834 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

Tgt Ion: 65 Resp: 493877
Ion Ratio Lower Upper
65 100
67 42.9 0.0 85.8



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

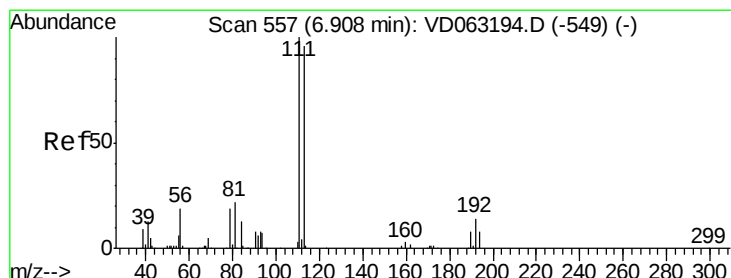
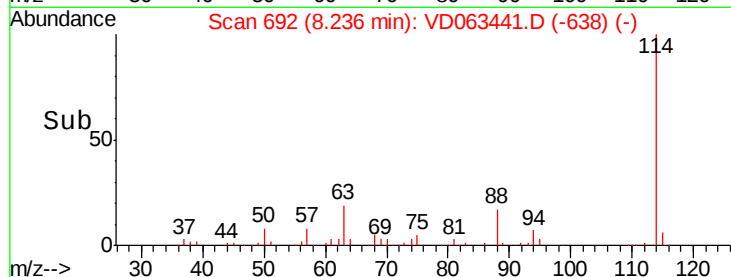
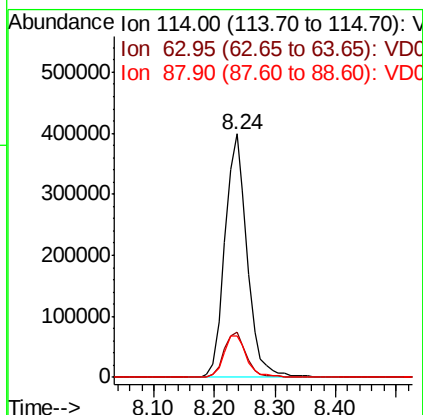
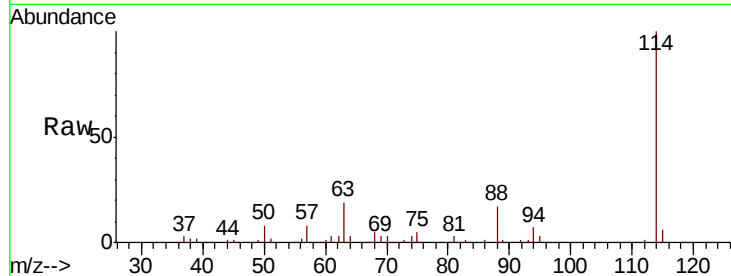




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD063441.D
 Acq: 8 Aug 2019 16:30

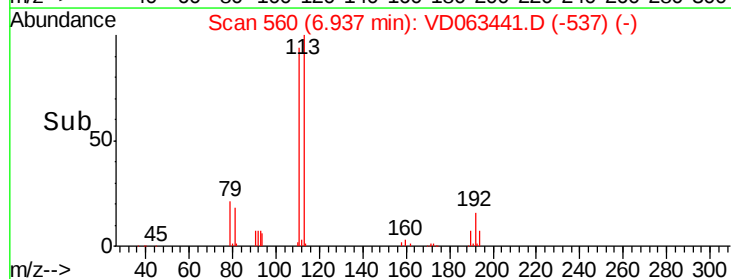
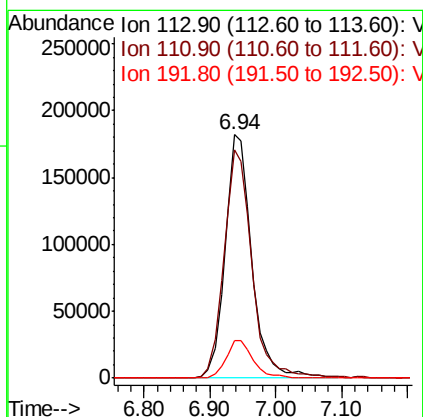
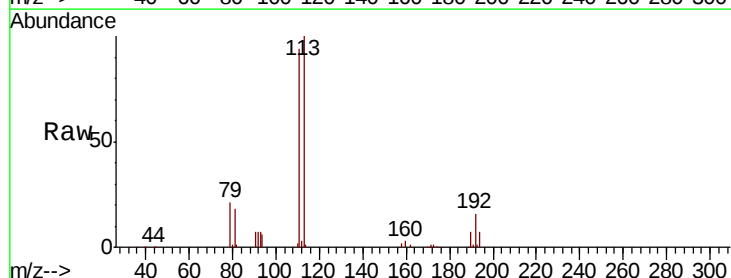
Instrument :
 MSVOA_D
 ClientSampled :
 SP-3

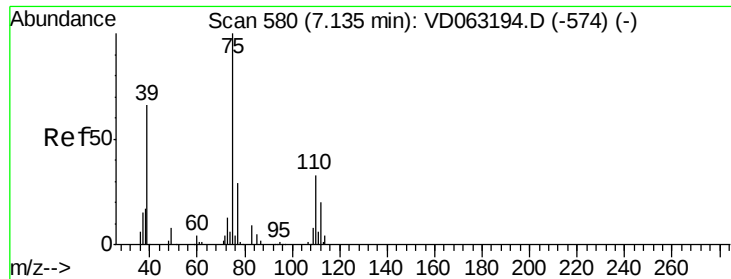
Tgt Ion:114 Resp: 1015346
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.2
 88 17.1 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 59.578 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD063441.D
 Acq: 8 Aug 2019 16:30

Tgt Ion:113 Resp: 516479
 Ion Ratio Lower Upper
 113 100
 111 93.8 83.2 124.8
 192 15.6 11.8 17.8





#36

1,1-Dichloropropene

Concen: 5.956 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

SP-3

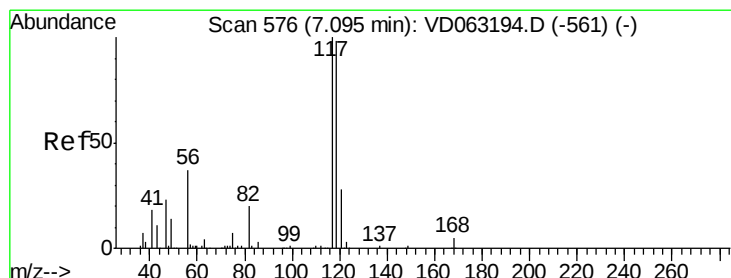
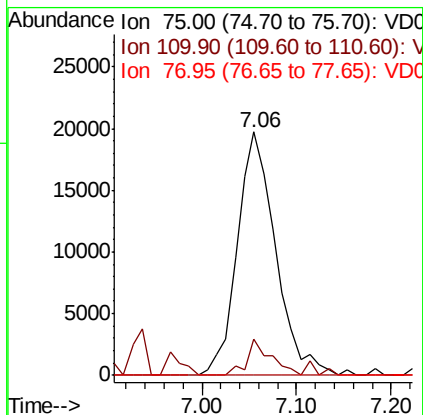
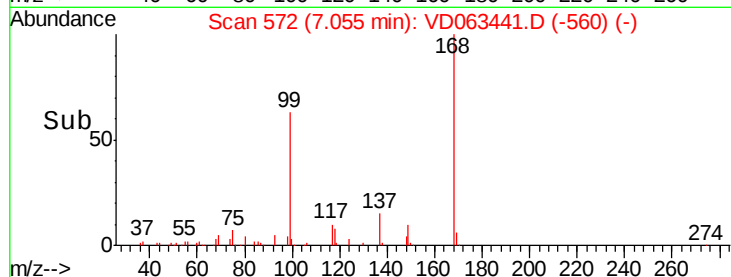
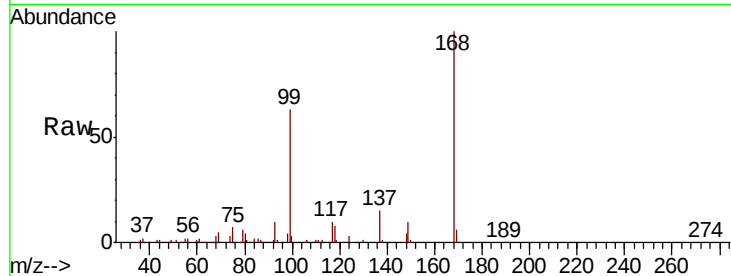
Tgt Ion: 75 Resp: 55189

Ion Ratio Lower Upper

75 100

110 14.8 16.1 48.2#

77 0.0 22.7 34.1#



#38

Carbon Tetrachloride

Concen: 5.721 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

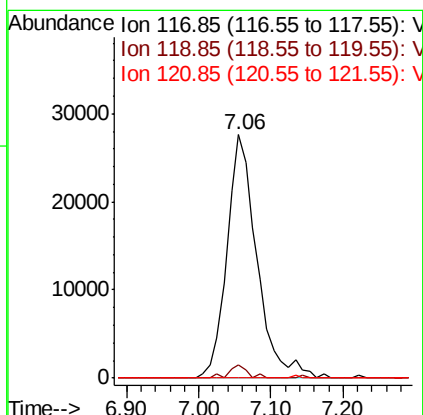
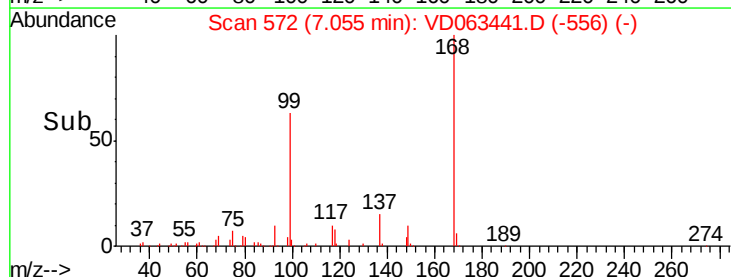
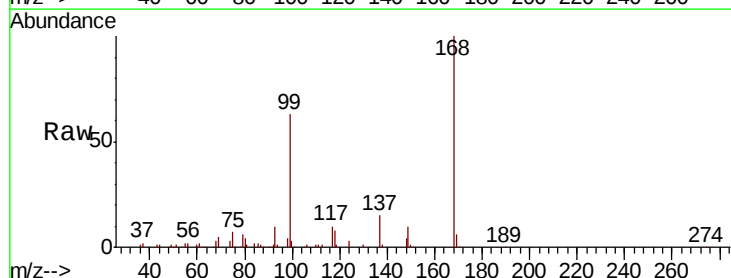
Tgt Ion: 117 Resp: 79813

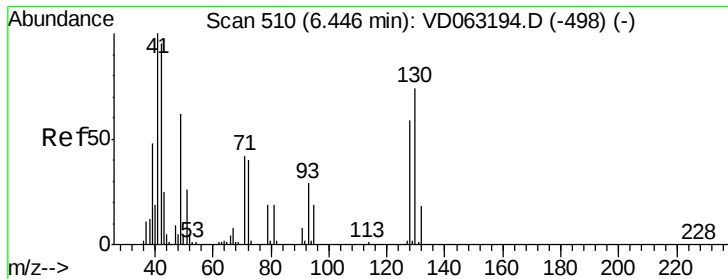
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 22.1 33.1#





#41

Methacrylonitrile

Concen: 1.211 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

SP-3

Tgt Ion: 41 Resp: 6031

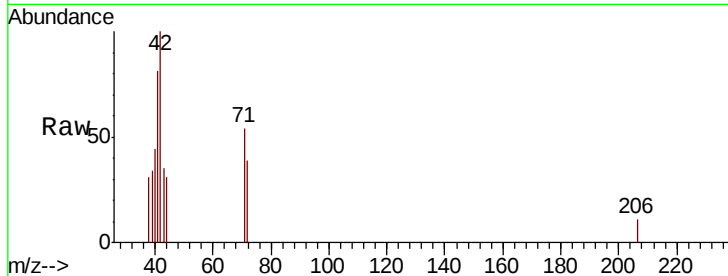
Ion Ratio Lower Upper

41 100

39 41.8 38.4 57.6

67 0.0 6.7 10.1#

52 0.0 4.3 6.5#

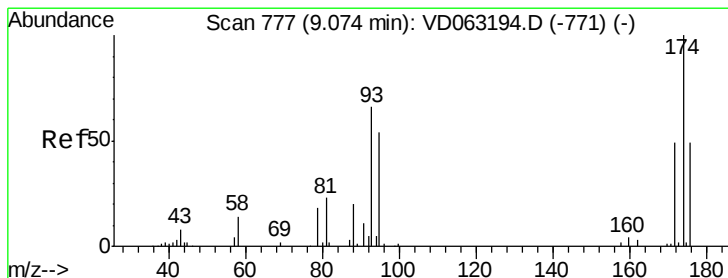
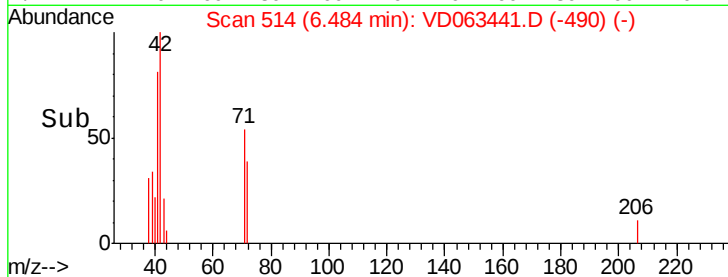
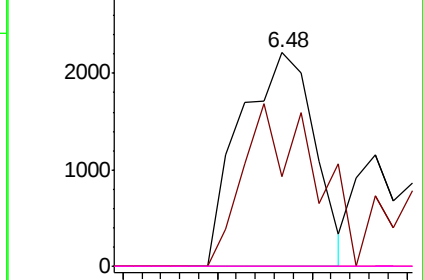


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 2.156 ug/l

RT: 9.44 min Scan# 814

Delta R.T. 0.36 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

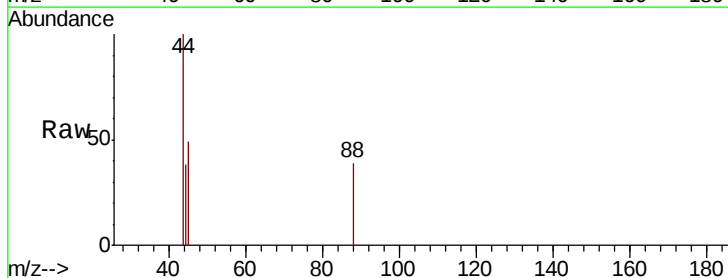
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 256.1 30.7 46.1#

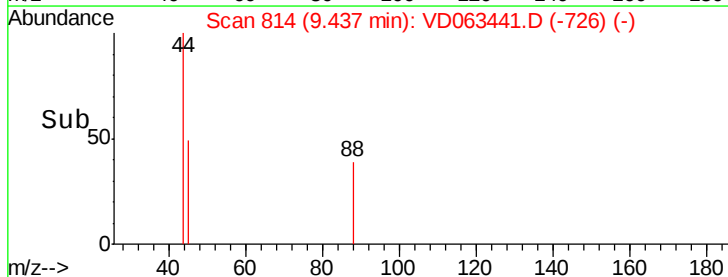
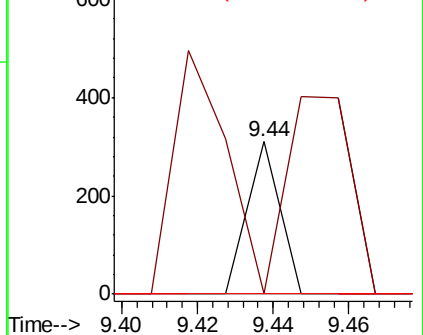
58 0.0 56.5 84.7#

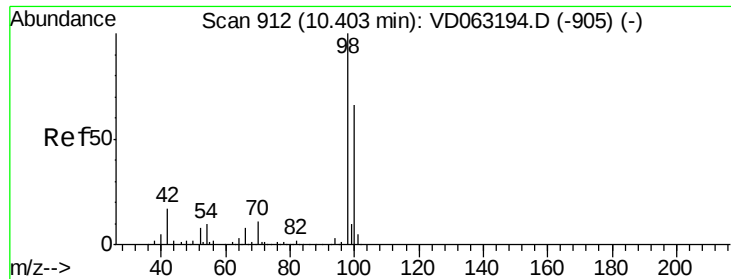


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

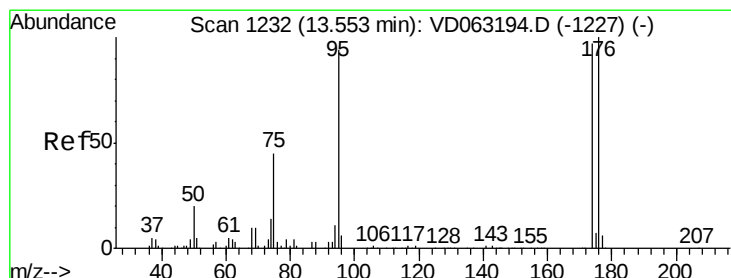
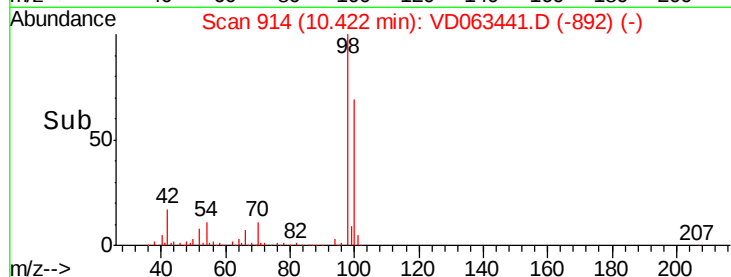
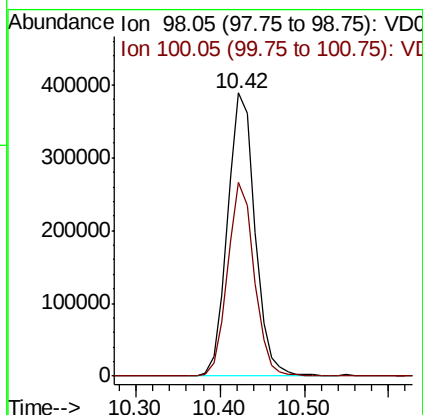
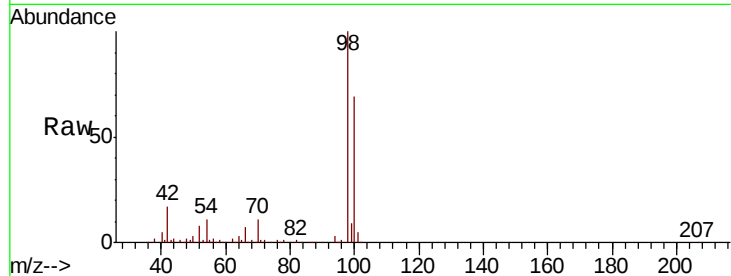




#50
Toluene-d8
Concen: 45.353 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

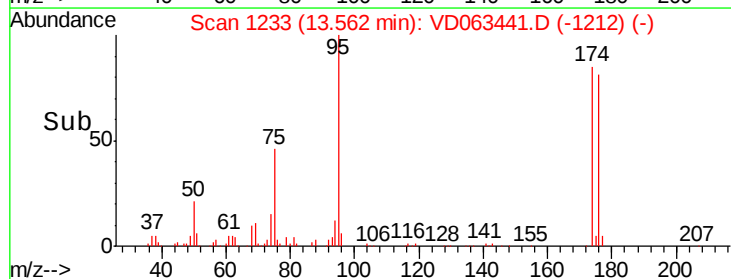
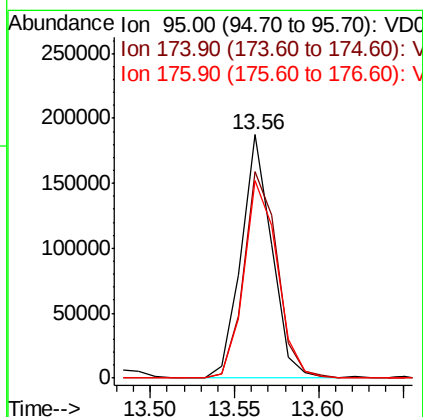
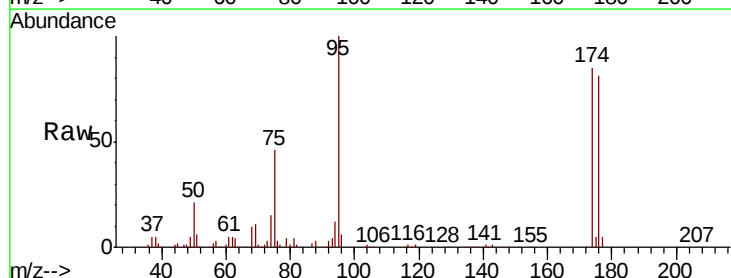
Instrument :
MSVOA_D
ClientSampleId :
SP-3

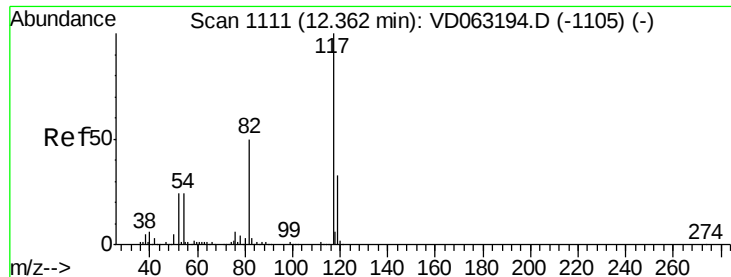
Tgt Ion: 98 Resp: 879896
Ion Ratio Lower Upper
98 100
100 68.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 26.802 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

Tgt Ion: 95 Resp: 236954
Ion Ratio Lower Upper
95 100
174 84.8 0.0 205.4
176 81.1 0.0 211.8

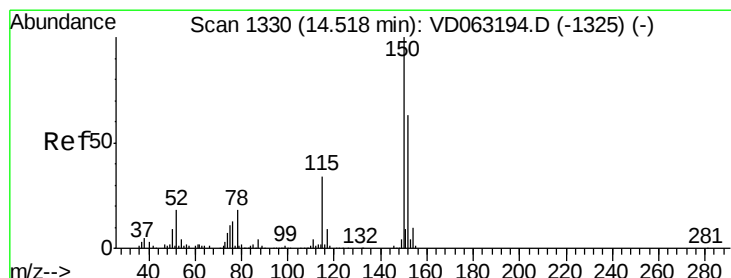
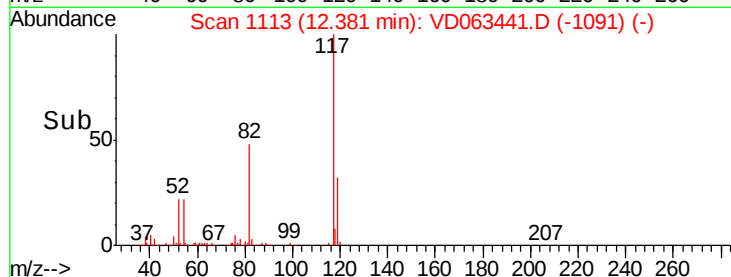
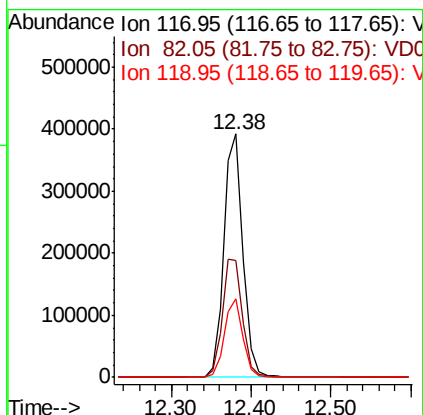
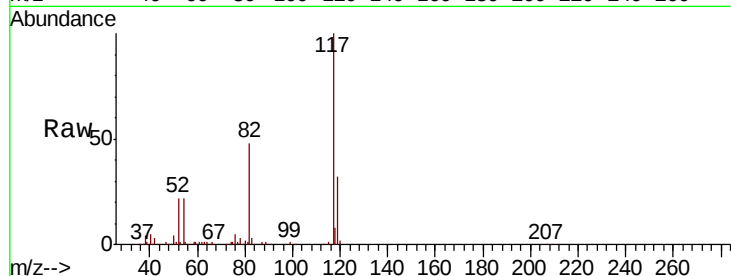




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

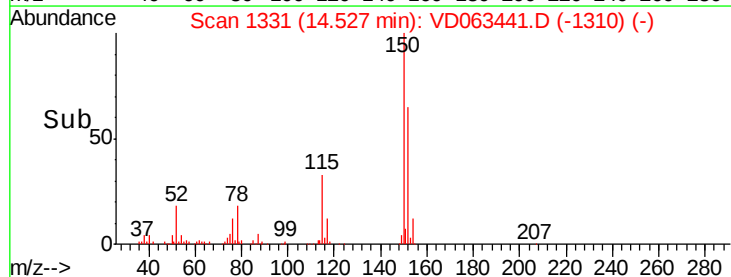
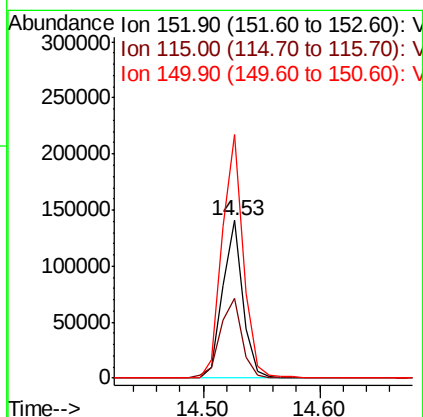
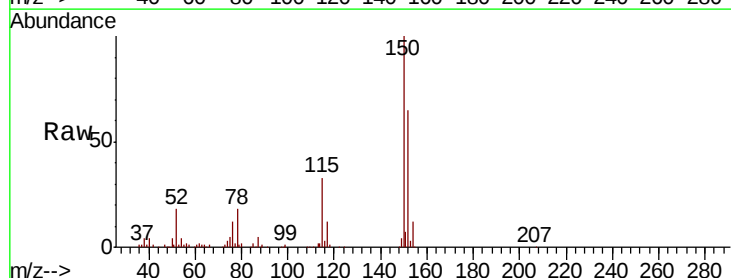
Instrument :
MSVOA_D
ClientSampled :
SP-3

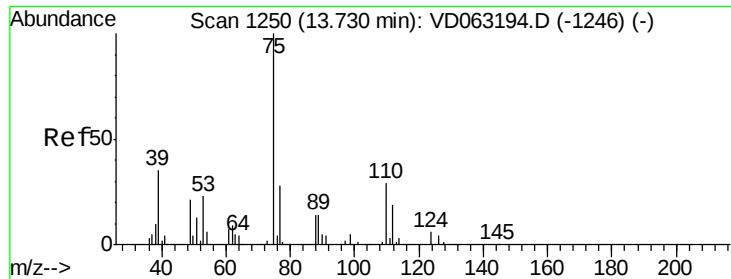
Tgt Ion:117 Resp: 659522
Ion Ratio Lower Upper
117 100
82 47.8 40.1 60.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063441.D
Acq: 8 Aug 2019 16:30

Tgt Ion:152 Resp: 168633
Ion Ratio Lower Upper
152 100
115 51.0 27.5 82.4
150 154.7 0.0 320.6

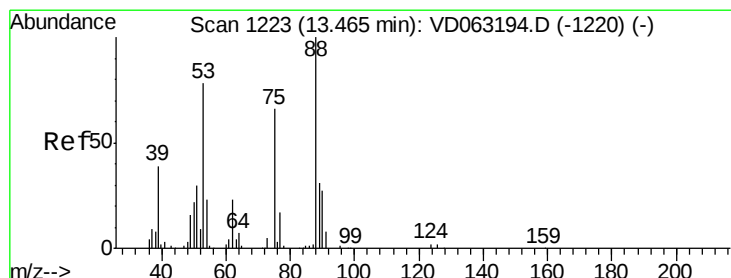
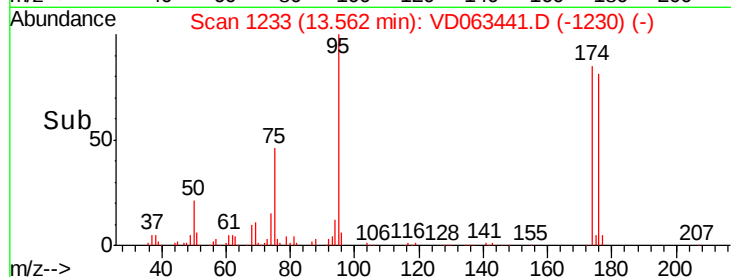
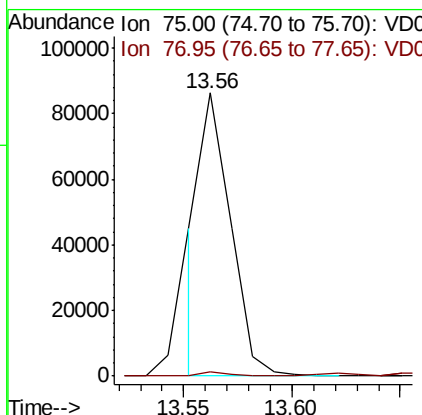
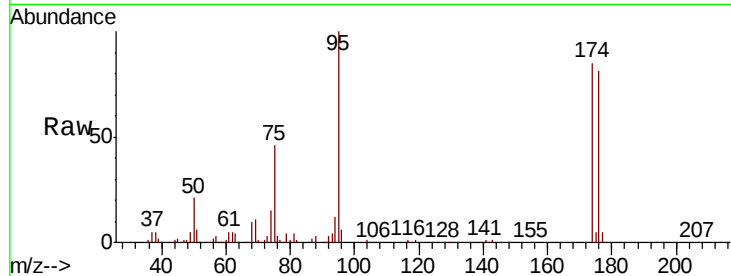




#76
 1,2,3-Trichloropropane
 Concen: 40.671 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD063441.D
 Acq: 8 Aug 2019 16:30

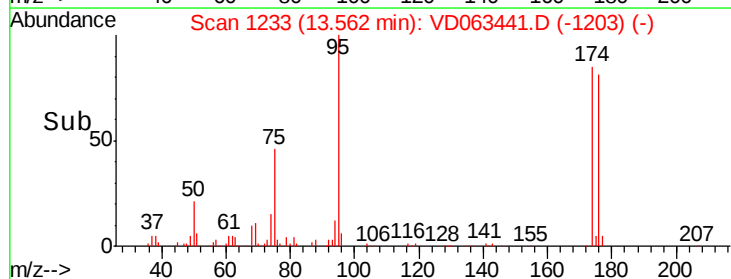
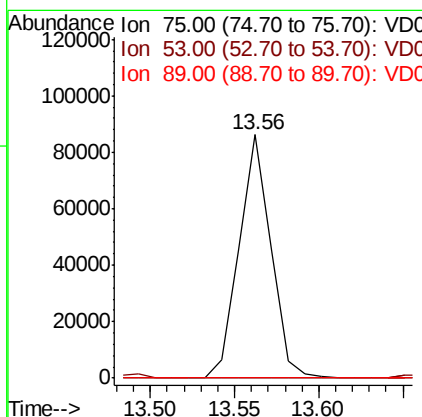
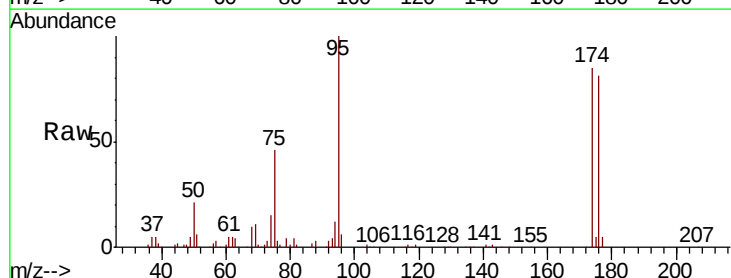
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

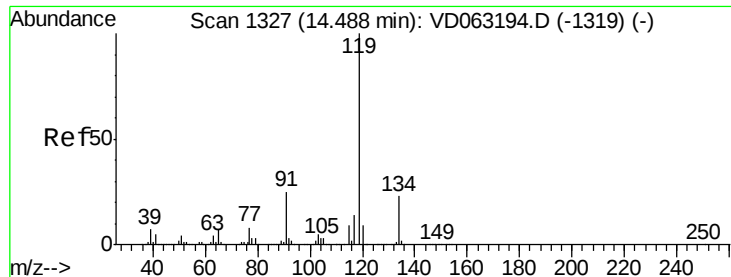
Tgt Ion: 75 Resp: 82380
 Ion Ratio Lower Upper
 75 100
 77 1.6 16.0 48.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 200.676 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.10 min
 Lab File: VD063441.D
 Acq: 8 Aug 2019 16:30

Tgt Ion: 75 Resp: 112868
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#





#86

p-Isopropyltoluene

Concen: 2.458 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

Instrument :

MSVOA_D

ClientSampleId :

SP-3

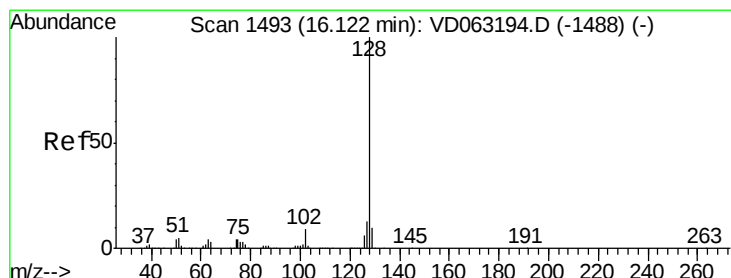
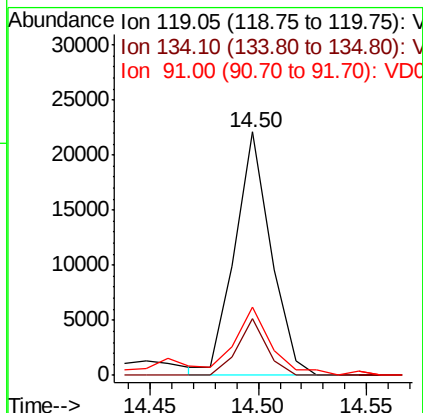
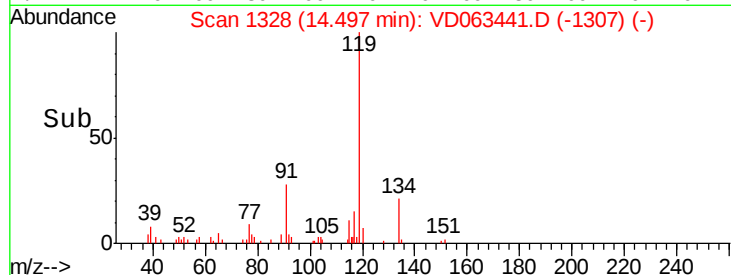
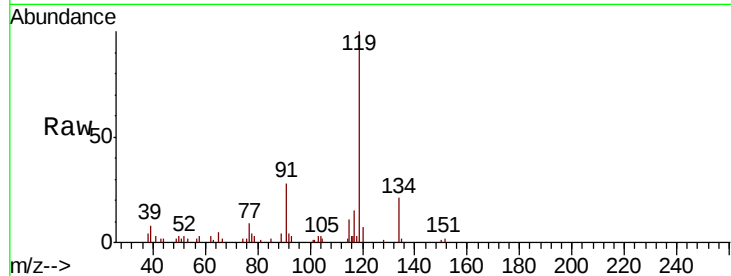
Tgt Ion:119 Resp: 25763

Ion Ratio Lower Upper

119 100

134 23.1 11.5 34.5

91 27.9 12.6 37.6



#95

Naphthalene

Concen: 1.848 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD063441.D

Acq: 8 Aug 2019 16:30

Tgt Ion:128 Resp: 9639

Ion Ratio Lower Upper

128 100

127 17.5 10.2 15.4#

129 12.8 7.8 11.8#

