

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073269.D
 Acq On : 22 May 2022 11:53
 Operator : VA/SY
 Sample : N2920-24
 Misc : 4.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P028-SS001-1218-01

Quant Time: May 23 01:15:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

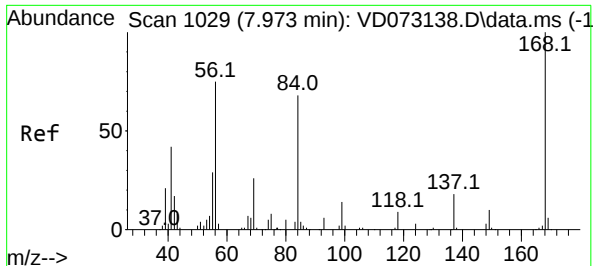
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	309968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	564425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	621471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	311847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	220182	64.276	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 128.560%		
35) Dibromofluoromethane	7.903	113	200380	53.801	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery	= 107.600%		
50) Toluene-d8	10.332	98	710909	51.781	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 103.560%		
62) 4-Bromofluorobenzene	12.620	95	298604	61.975	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 123.940%		
Target Compounds						Qvalue
5) Bromomethane	2.779	94	520	Below Cal	#	55
11) Tert butyl alcohol	5.173	59	17475	32.880	ug/l #	74
16) Acetone	4.162	43	12843	21.645	ug/l #	79
20) Methylene Chloride	4.956	84	9985	Below Cal	#	82
25) 2-Butanone	7.185	43	2537	2.923	ug/l #	77
31) Cyclohexane	7.973	56	7203	1.203	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	27084	4.835	ug/l #	51
37) Ethyl Acetate	7.185	43	2537	1.147	ug/l #	1
38) Carbon Tetrachloride	7.973	117	34753	6.121	ug/l #	17
59) 2-Hexanone	11.073	43	1722	1.230	ug/l	69
76) 1,2,3-Trichloropropane	12.620	75	146985	48.038	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	146985	115.325	ug/l #	7

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

Quant Time: May 23 01:15:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration

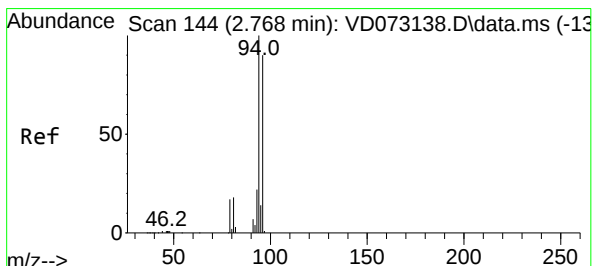
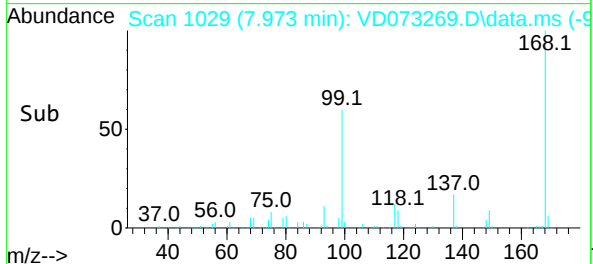
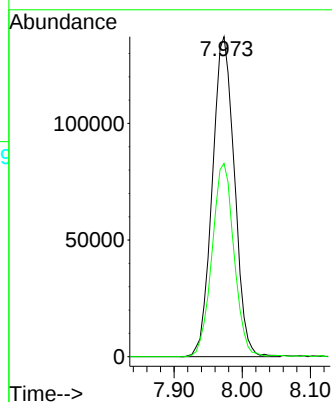
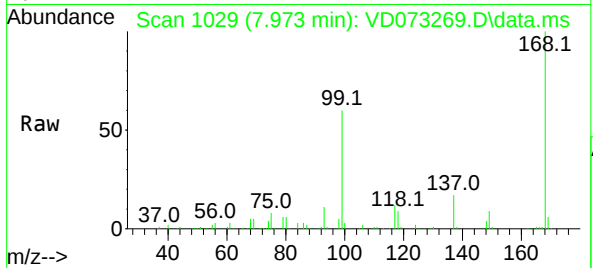




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

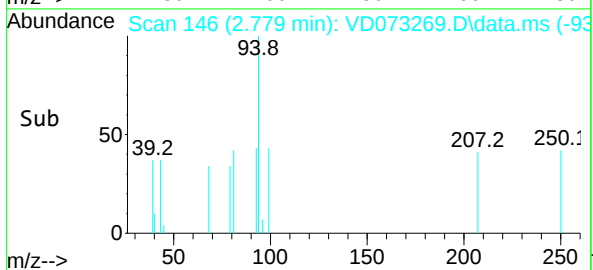
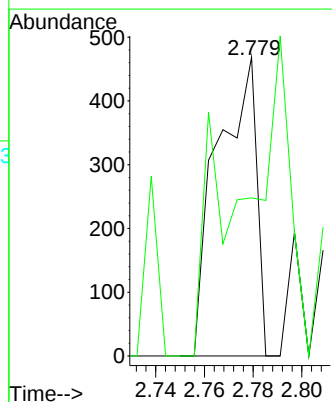
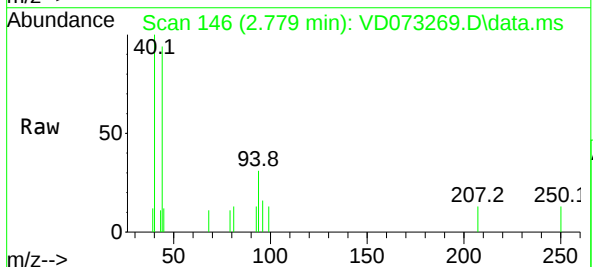
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-1218-01

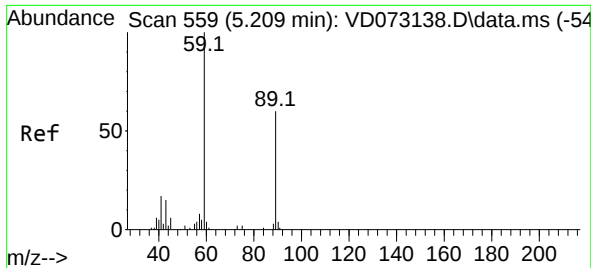
Tgt Ion:168 Resp: 309968
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

Tgt Ion: 94 Resp: 520
Ion Ratio Lower Upper
94 100
96 52.9 77.6 116.4#

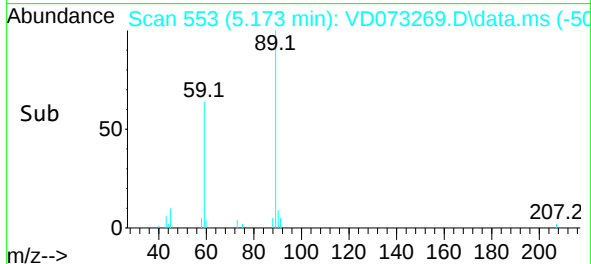
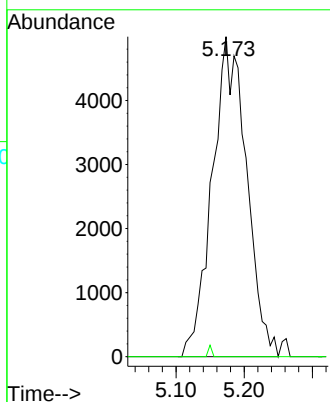
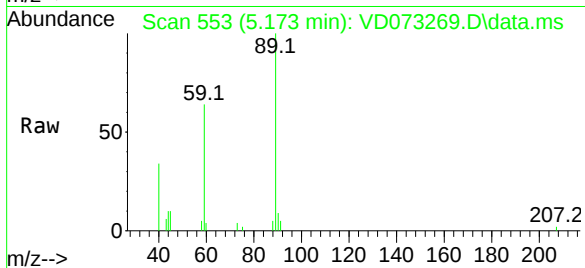




#11
Tert butyl alcohol
Concen: 32.880 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

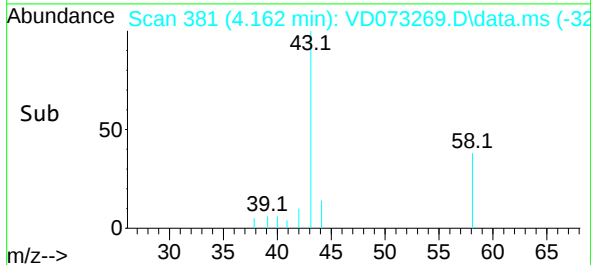
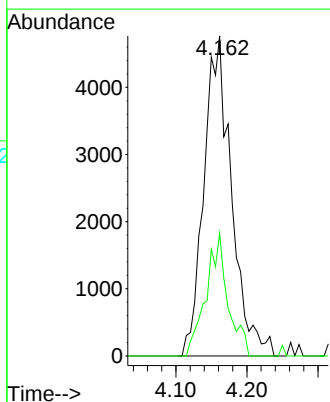
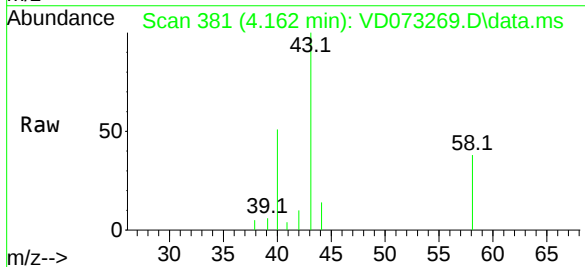
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-1218-01

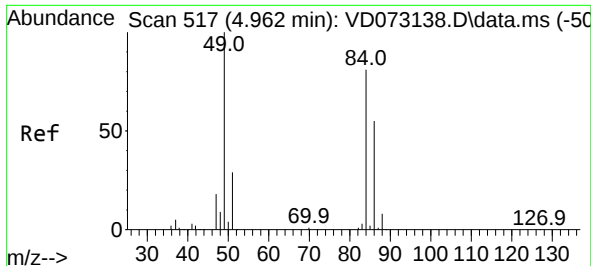
Tgt Ion: 59 Resp: 17475
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 21.645 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

Tgt Ion: 43 Resp: 12843
Ion Ratio Lower Upper
43 100
58 38.4 22.1 33.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 517

Delta R.T. -0.006 min

Lab File: VD073269.D

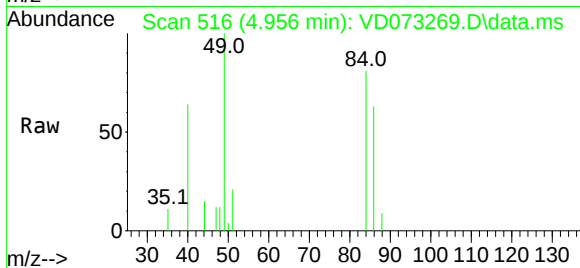
Acq: 22 May 2022 11:53

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-1218-01



Tgt Ion: 84 Resp: 9985

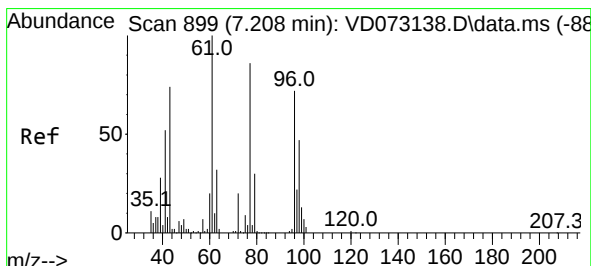
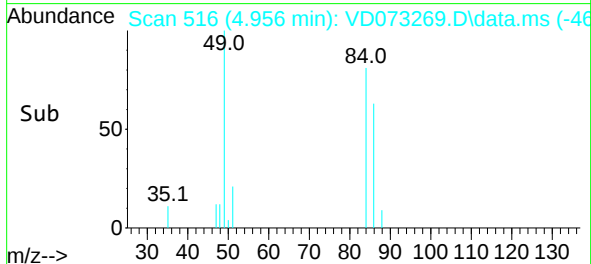
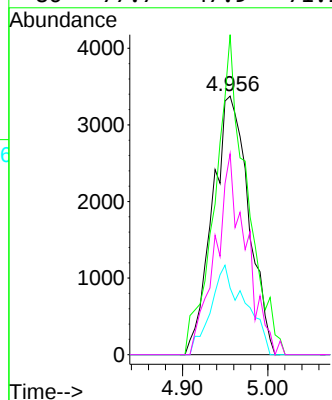
Ion Ratio Lower Upper

84 100

49 123.8 112.8 169.2

51 25.8 32.6 48.8#

86 77.7 47.9 71.9#



#25

2-Butanone

Concen: 2.923 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.023 min

Lab File: VD073269.D

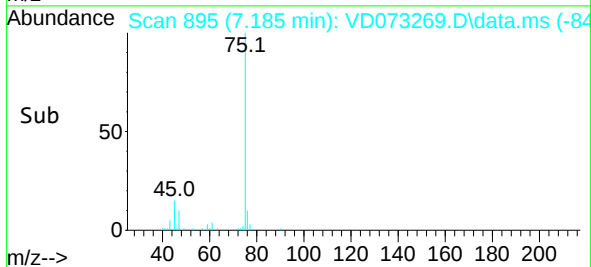
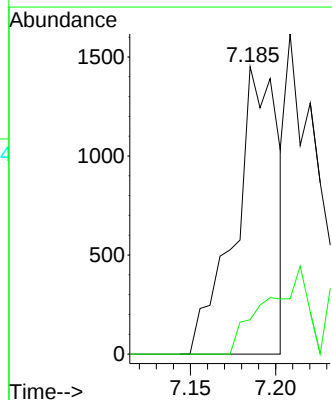
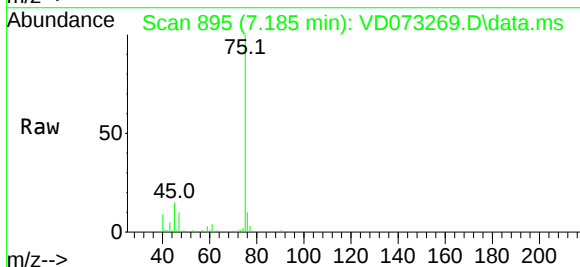
Acq: 22 May 2022 11:53

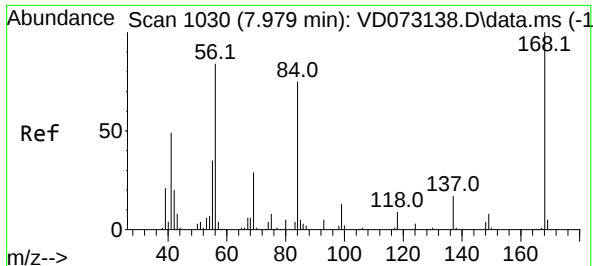
Tgt Ion: 43 Resp: 2537

Ion Ratio Lower Upper

43 100

72 11.9 18.6 27.8#





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-1218-01

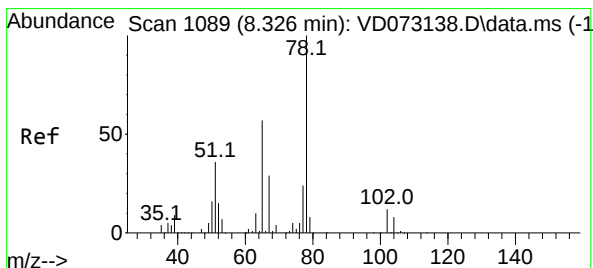
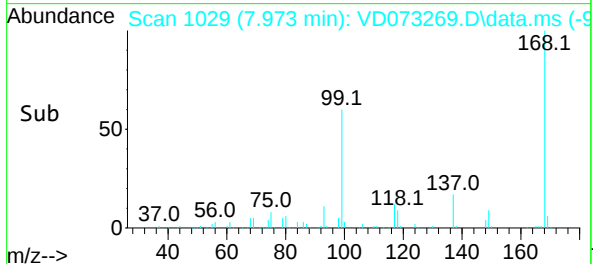
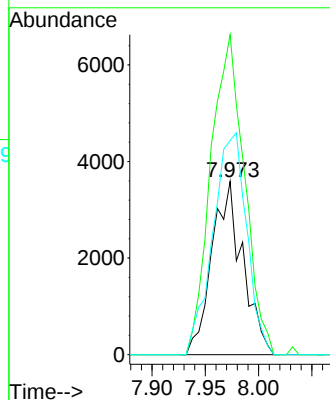
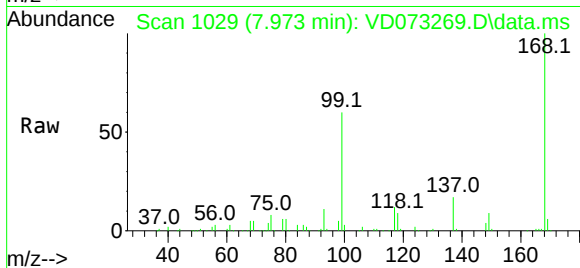
Tgt Ion: 56 Resp: 7203

Ion Ratio Lower Upper

56 100

69 184.8 25.4 38.2#

84 123.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 64.276 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073269.D

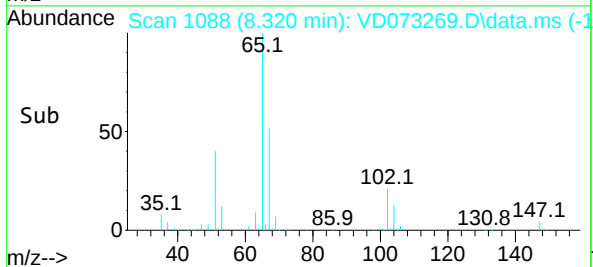
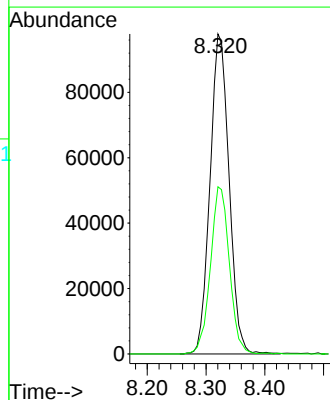
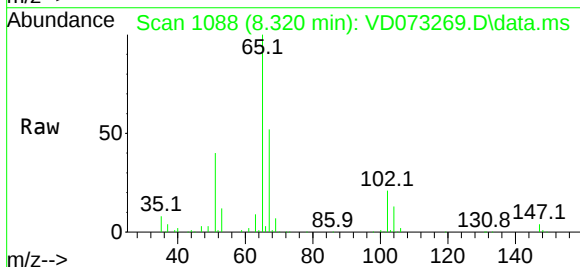
Acq: 22 May 2022 11:53

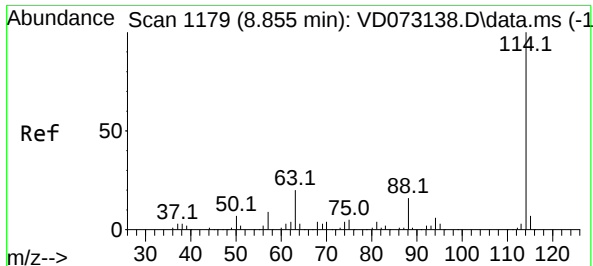
Tgt Ion: 65 Resp: 220182

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-1218-01

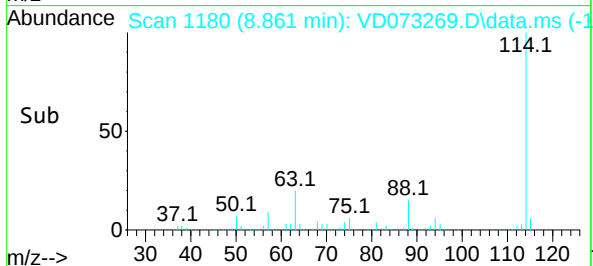
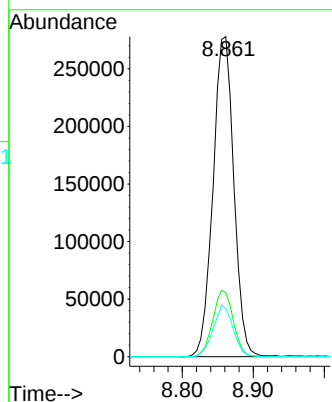
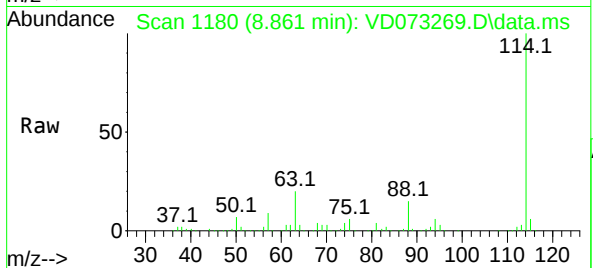
Tgt Ion:114 Resp: 564425

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.801 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

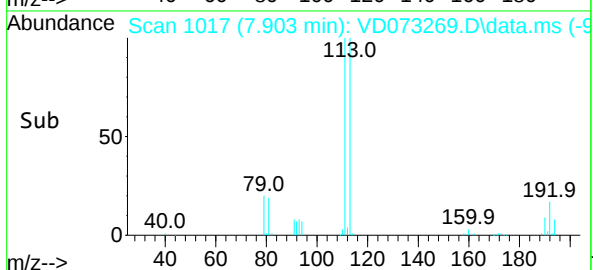
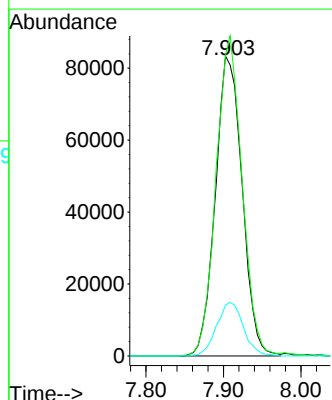
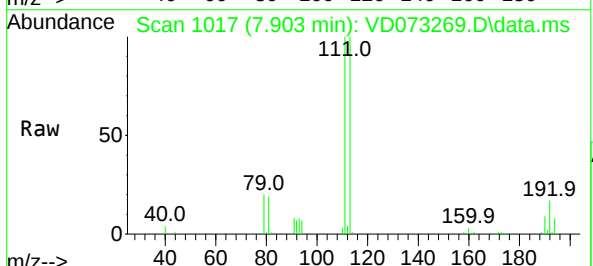
Tgt Ion:113 Resp: 200380

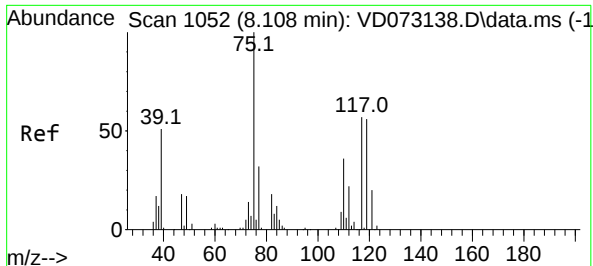
Ion Ratio Lower Upper

113 100

111 104.4 83.8 125.6

192 17.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.835 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-1218-01

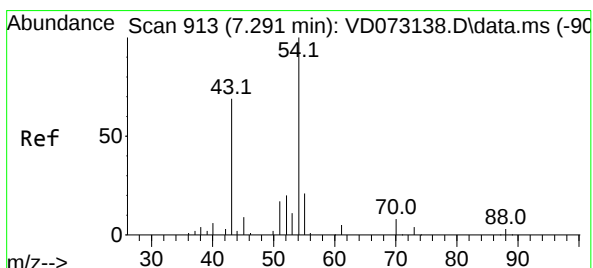
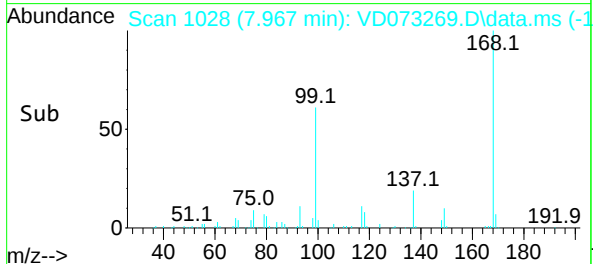
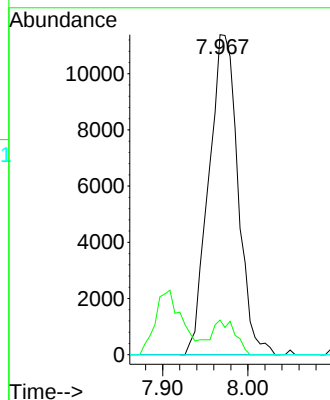
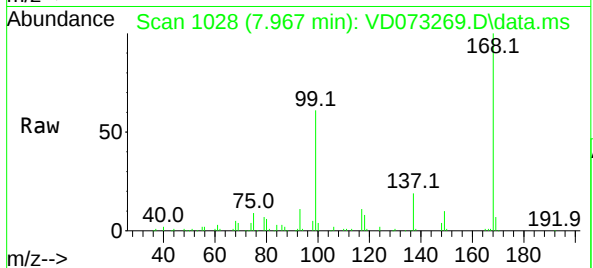
Tgt Ion: 75 Resp: 27084

Ion Ratio Lower Upper

75 100

110 9.1 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.147 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.106 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

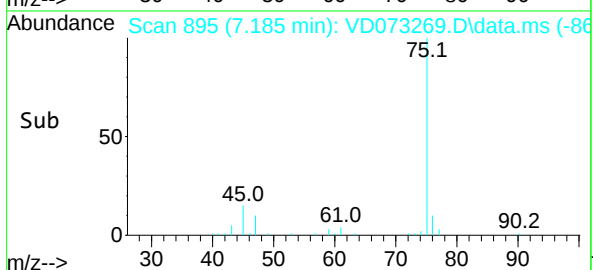
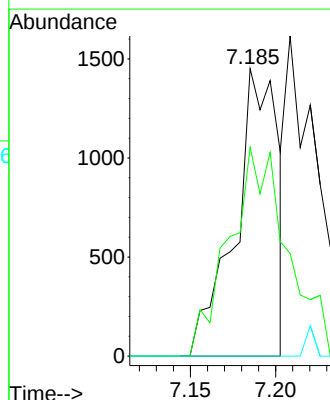
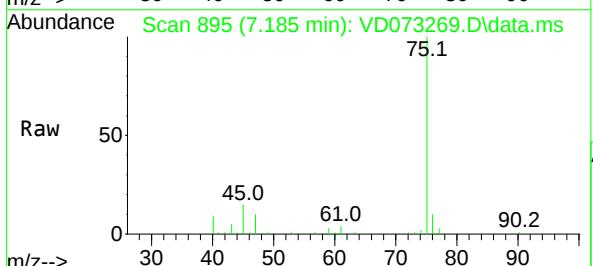
Tgt Ion: 43 Resp: 2537

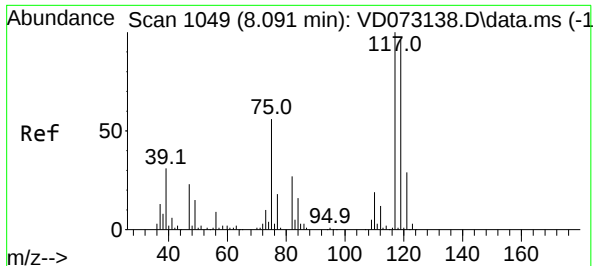
Ion Ratio Lower Upper

43 100

61 98.4 9.8 14.8#

70 0.0 6.9 10.3#

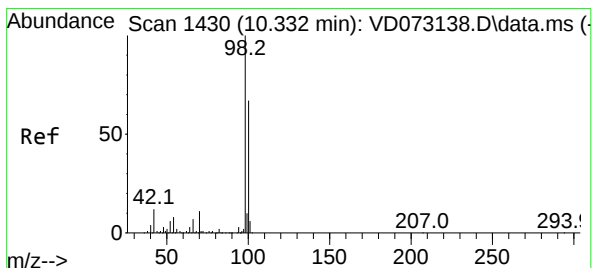
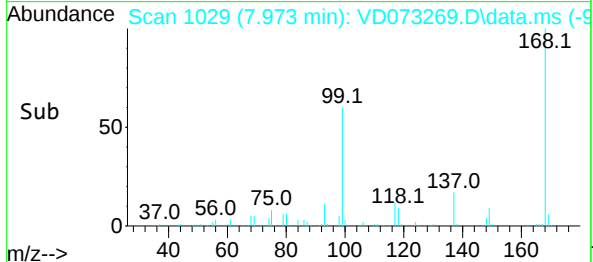
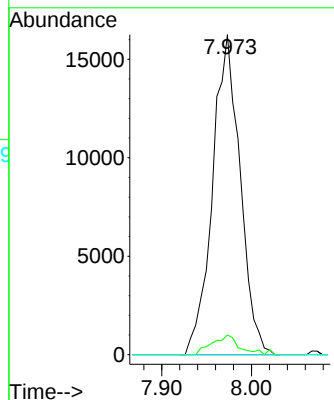
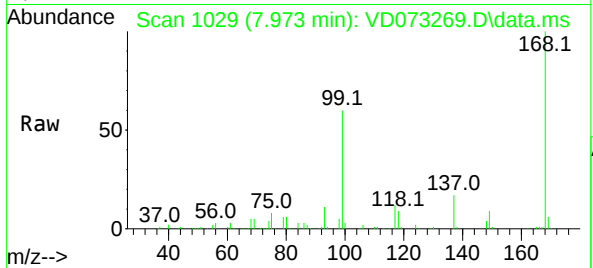




#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

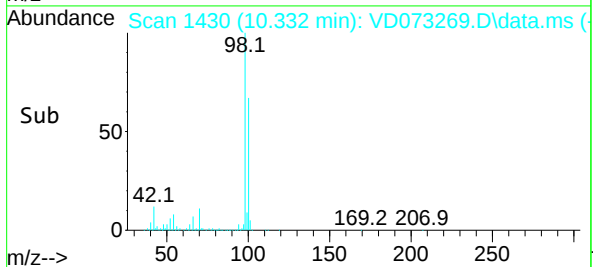
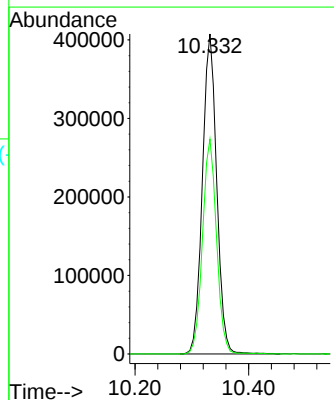
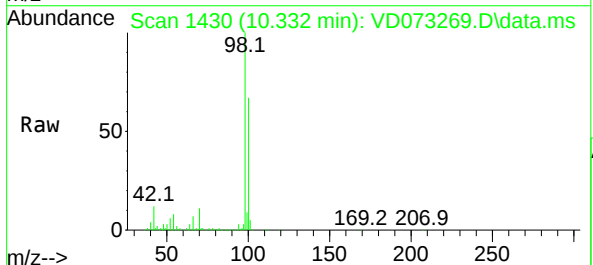
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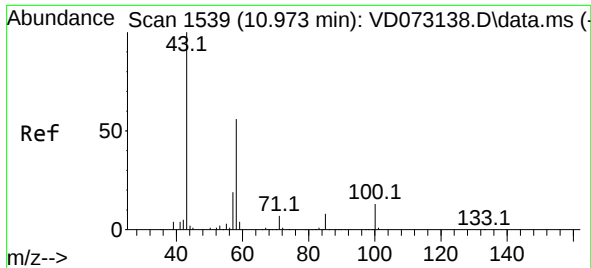
Tgt Ion:117 Resp: 34753
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.781 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

Tgt Ion: 98 Resp: 710909
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6

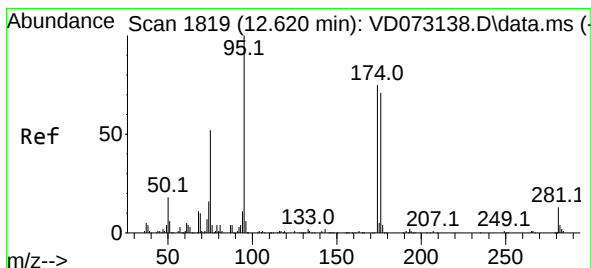
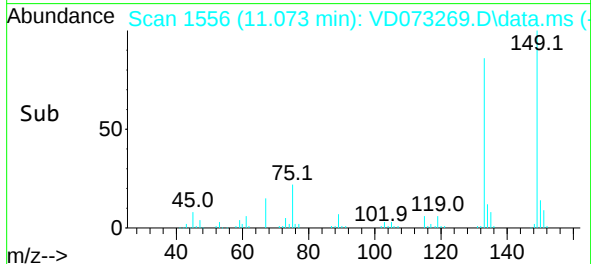
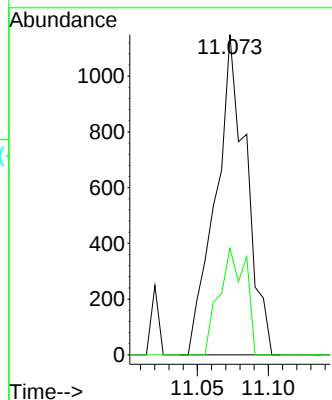
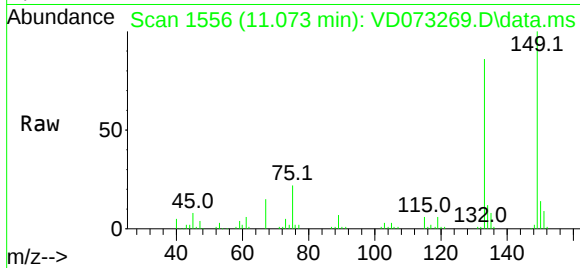




#59
2-Hexanone
Concen: 1.230 ug/l
RT: 11.073 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

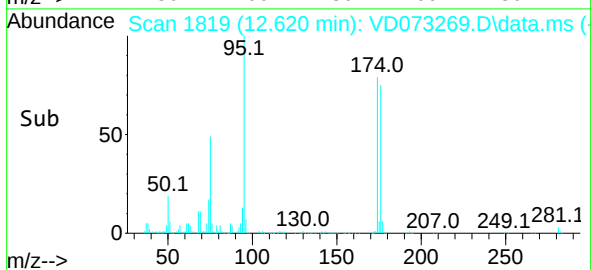
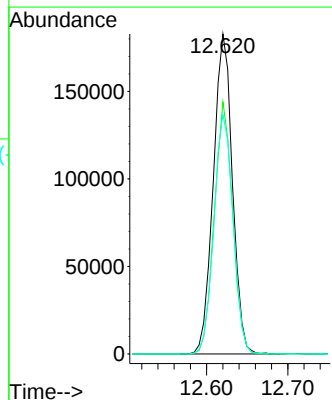
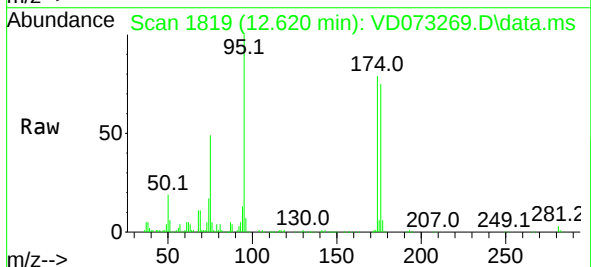
Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-1218-01

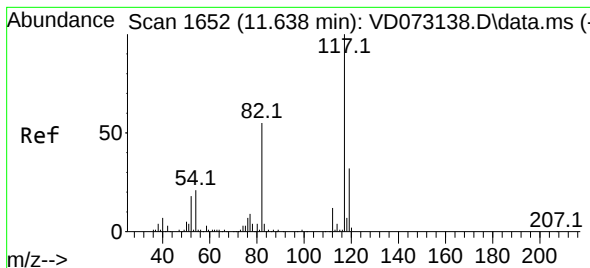
Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
58 28.8 25.3 75.9



#62
4-Bromofluorobenzene
Concen: 61.975 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

Tgt Ion: 95 Resp: 298604
Ion Ratio Lower Upper
95 100
174 76.0 0.0 152.8
176 74.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

Instrument :

MSVOA_D

ClientSampleId :

P028-SS001-1218-01

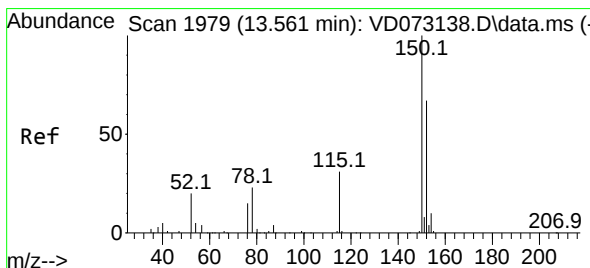
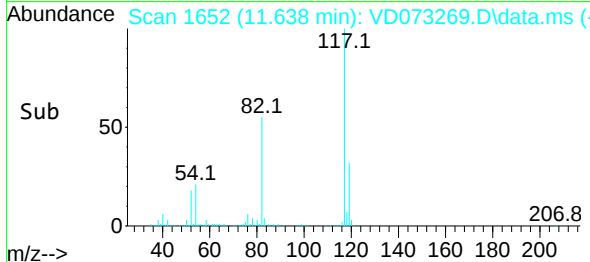
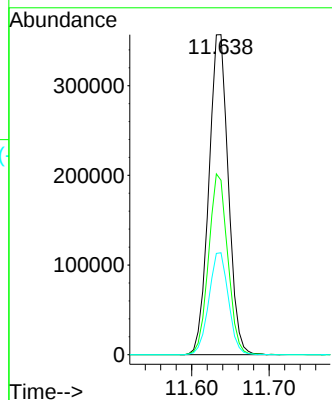
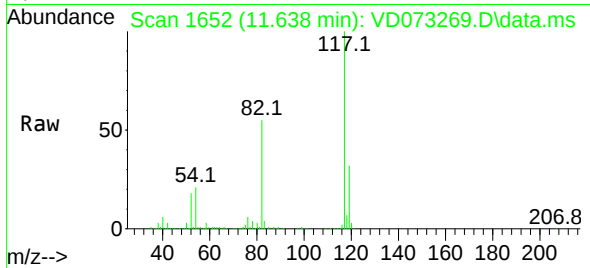
Tgt Ion:117 Resp: 621471

Ion Ratio Lower Upper

117 100

82 54.5 45.3 67.9

119 31.8 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073269.D

Acq: 22 May 2022 11:53

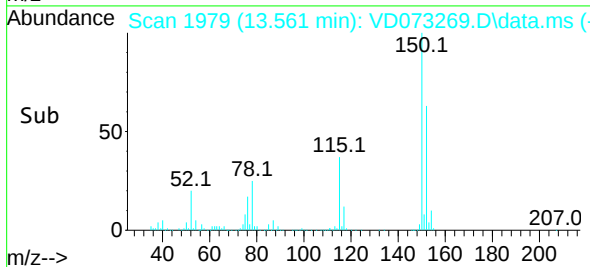
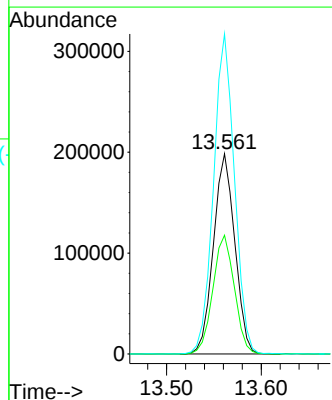
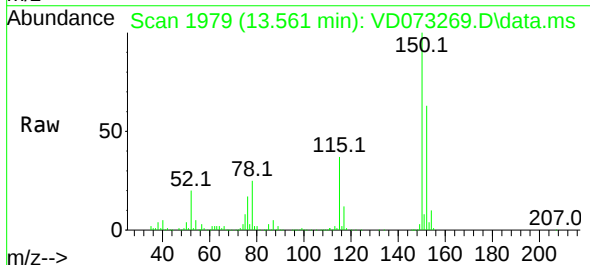
Tgt Ion:152 Resp: 311847

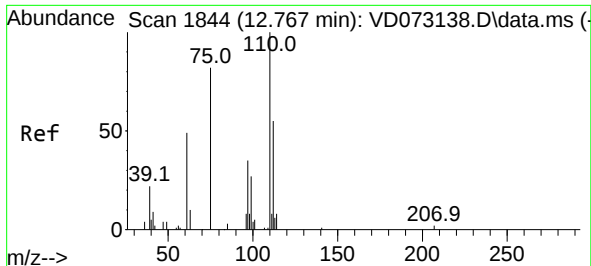
Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

150 156.9 0.0 348.6

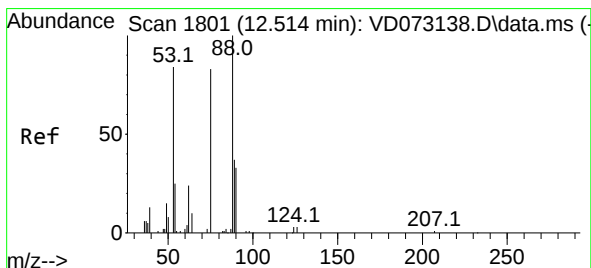
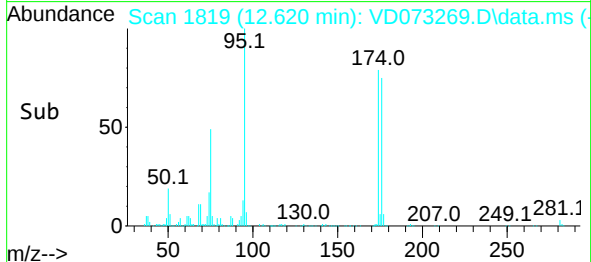
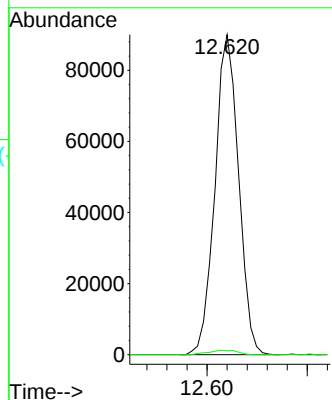
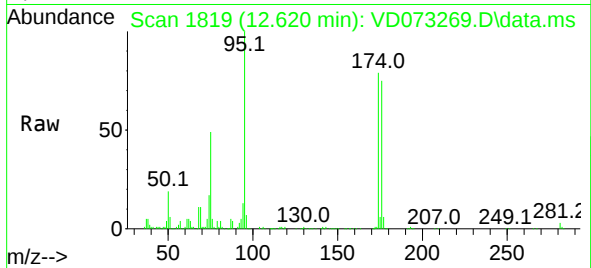




#76
1,2,3-Trichloropropane
Concen: 48.038 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

Instrument :
MSVOA_D
ClientSampleId :
P028-SS001-1218-01

Tgt Ion: 75 Resp: 146985
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.325 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073269.D
Acq: 22 May 2022 11:53

Tgt Ion: 75 Resp: 146985
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

