

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111121\
 Data File : VD070989.D
 Acq On : 11 Nov 2021 14:03
 Operator : VA/SY
 Sample : M4576-03
 Misc : 5.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 08:00:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

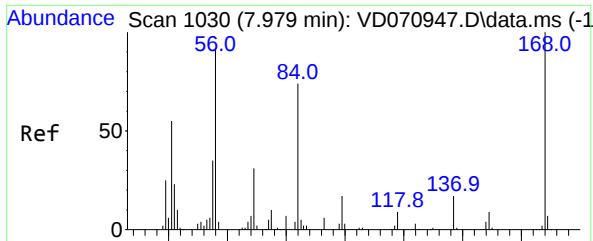
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	444649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	787854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	765337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	361449	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	282455	59.663	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.320%			
35) Dibromofluoromethane	7.914	113	250084	56.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.500%			
50) Toluene-d8	10.332	98	996913	57.259	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 114.520%			
62) 4-Bromofluorobenzene	12.620	95	391829	62.505	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.000%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	72	6.034	ug/l #	47
11) Tert butyl alcohol	5.226	59	6165	17.818	ug/l #	81
13) Acrolein	4.026	56	176	Below Cal	#	19
16) Acetone	4.156	43	2312	21.461	ug/l	97
20) Methylene Chloride	4.956	84	29721	5.141	ug/l	94
23) Vinyl Acetate	6.303	43	465	21.028	ug/l #	72
25) 2-Butanone	7.203	43	517	20.655	ug/l #	45
31) Cyclohexane	7.973	56	20514	2.107	ug/l #	42
36) 1,1-Dichloropropene	7.973	75	40064	5.695	ug/l #	49
38) Carbon Tetrachloride	7.979	117	48034	7.415	ug/l #	16
41) Methacrylonitrile	7.514	41	294	3.622	ug/l #	54
52) Toluene	10.396	92	416095	33.321	ug/l	98
55) 1,1,2-Trichloroethane	10.773	97	8198	2.339	ug/l #	21
59) 2-Hexanone	10.949	43	9867	19.522	ug/l #	22
67) Ethyl Benzene	11.738	91	105039	4.062	ug/l	99
68) m/p-Xylenes	11.838	106	178807	18.500	ug/l	93
69) o-Xylene	12.173	106	68469	7.448	ug/l	94
71) Bromoform	12.608	173	2732	1.081	ug/l #	1
74) N-amyl acetate	12.255	43	11641	1.565	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	209554	67.872	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	209554	125.325	ug/l #	18

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

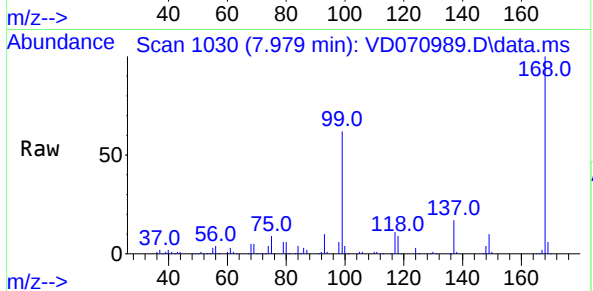
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Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
Response via : Initial Calibration



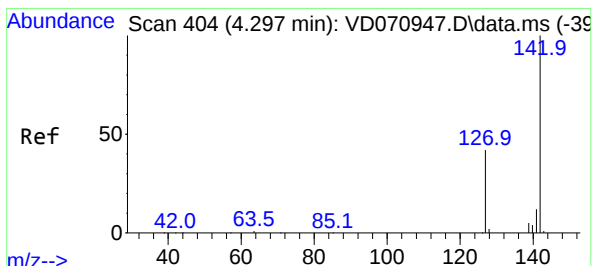
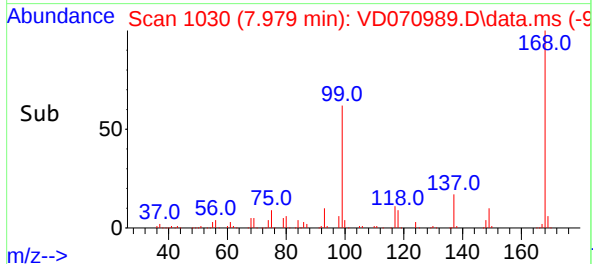
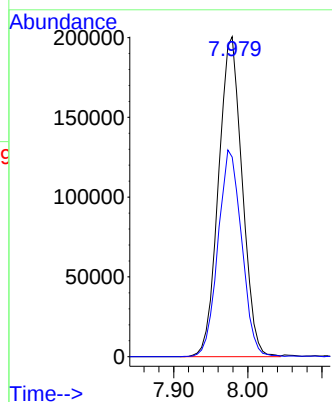


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

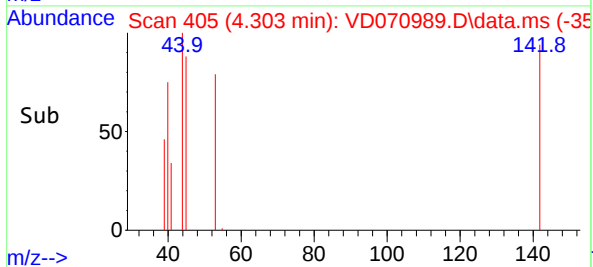
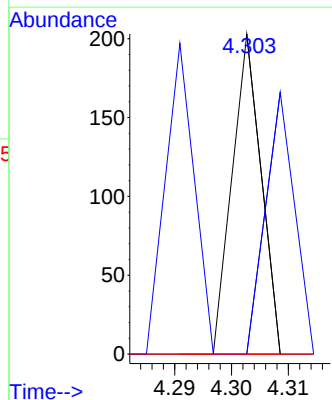
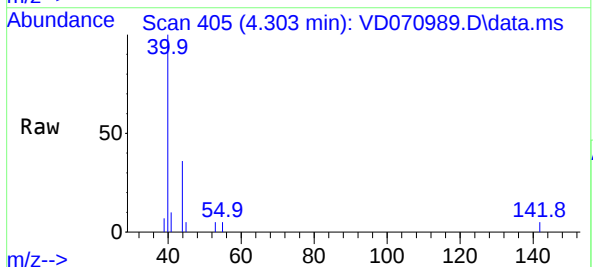


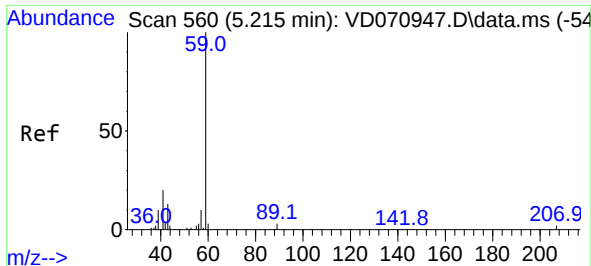
Tgt Ion:168 Resp: 444649
Ion Ratio Lower Upper
168 100
99 62.4 46.6 69.8



#10
Methyl Iodide
Concen: 6.034 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

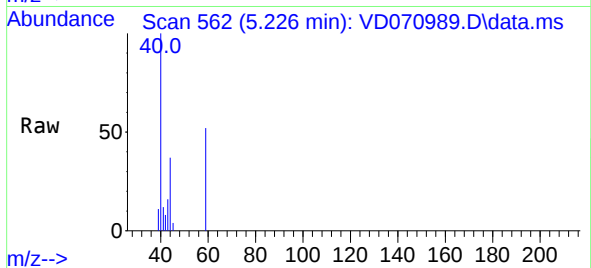
Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 81.9 35.0 52.4#
141 0.0 12.0 18.0#



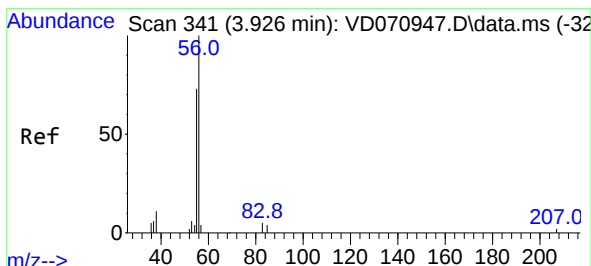
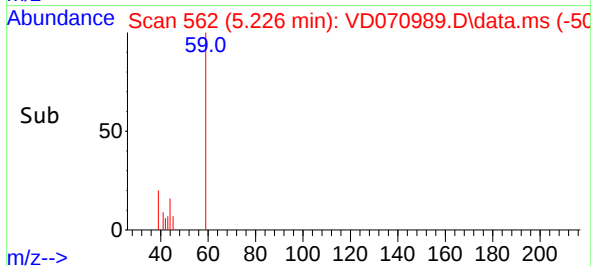
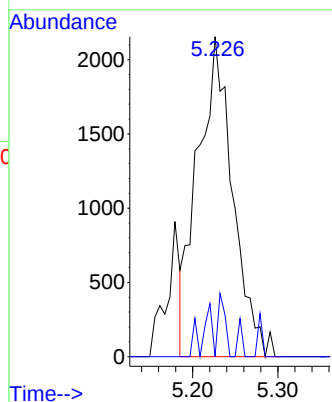


#11
Tert butyl alcohol
Concen: 17.818 ug/l
RT: 5.226 min Scan# 50
Delta R.T. 0.011 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

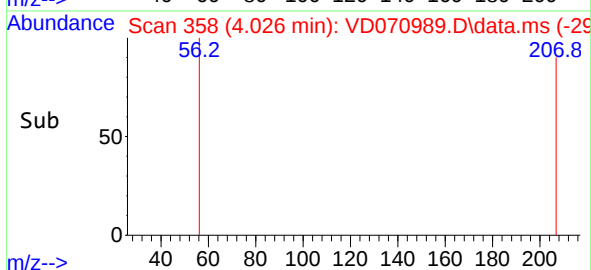
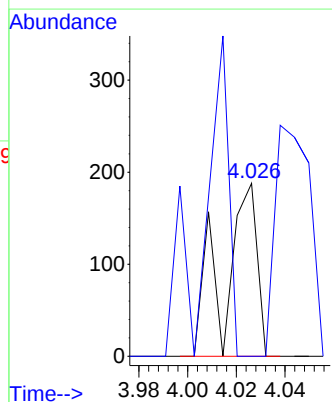
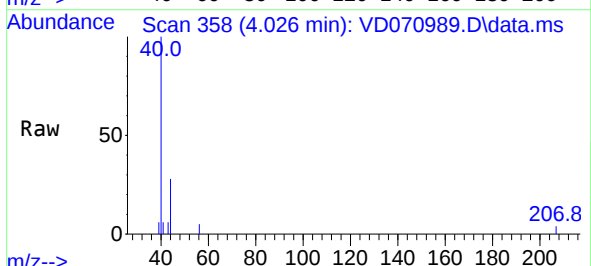


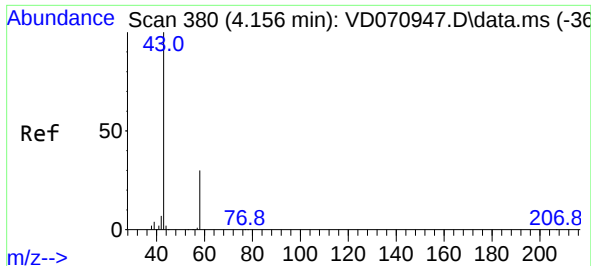
Tgt Ion: 59 Resp: 6165
Ion Ratio Lower Upper
59 100
57 4.0 9.0 13.4#



#13
Acrolein
Concen: Below Cal
RT: 4.026 min Scan# 358
Delta R.T. 0.100 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

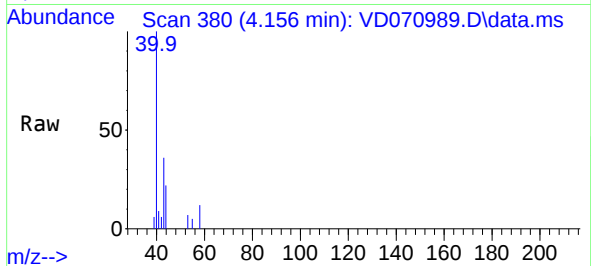
Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 141.5 58.6 87.8#



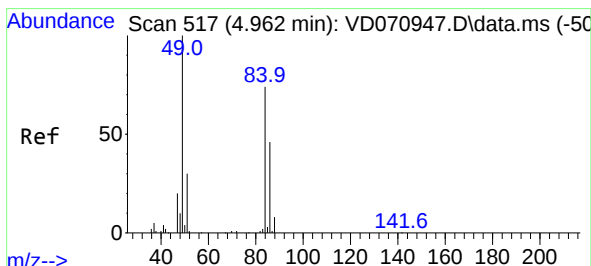
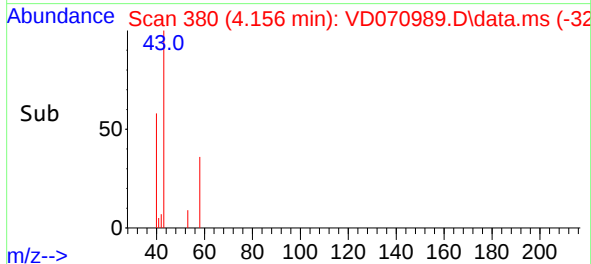
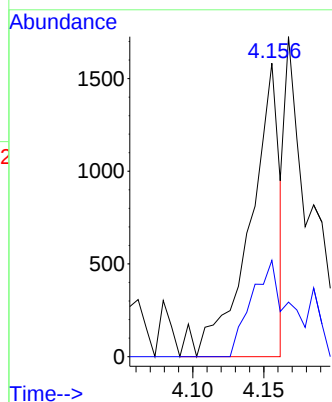


#16
Acetone
Concen: 21.461 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

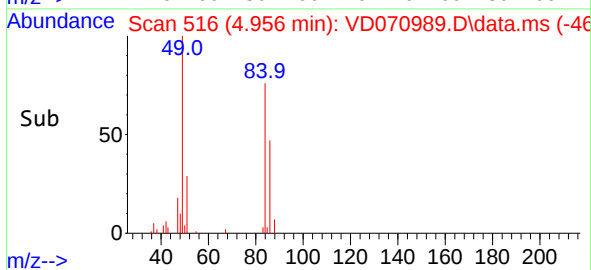
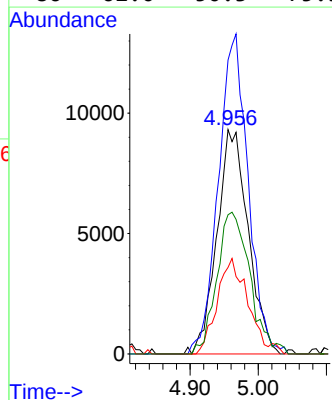
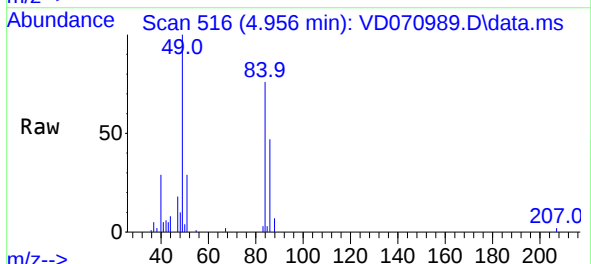


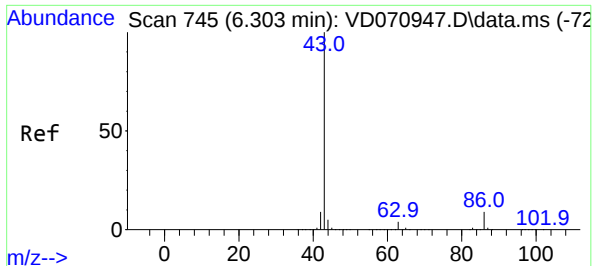
Tgt Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8



#20
Methylene Chloride
Concen: 5.141 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

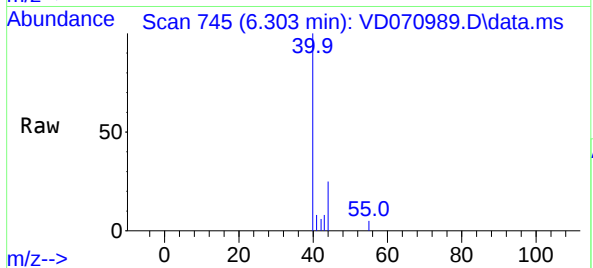
Tgt Ion: 84 Resp: 29721
Ion Ratio Lower Upper
84 100
49 131.0 95.8 143.6
51 38.6 30.9 46.3
86 62.0 50.3 75.5



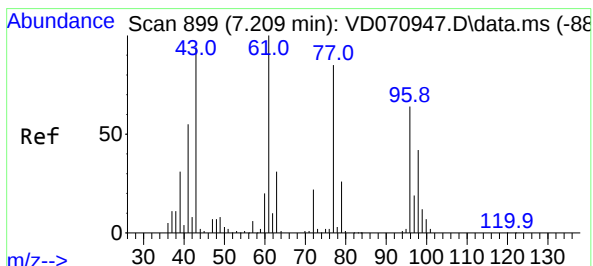
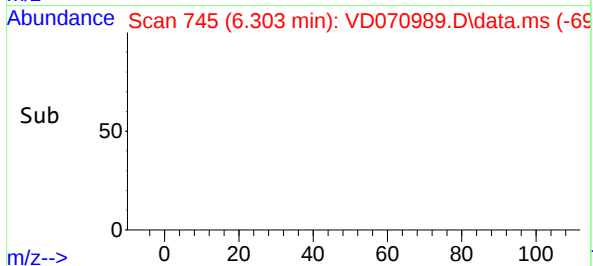
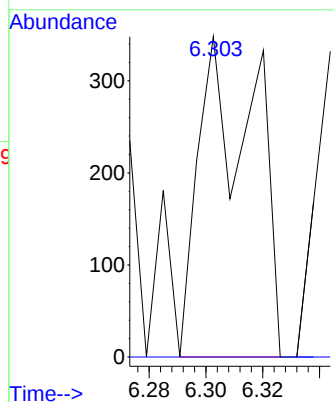


#23
 Vinyl Acetate
 Concen: 21.028 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD070989.D
 Acq: 11 Nov 2021 14:03

Instrument :
 MSVOA_D
 ClientSampleId :

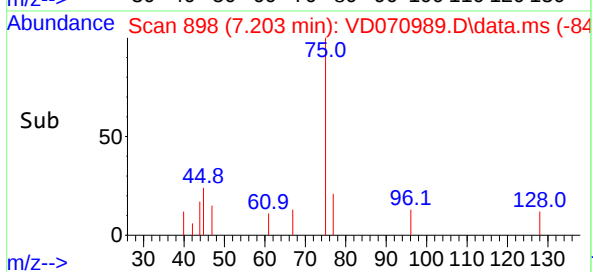
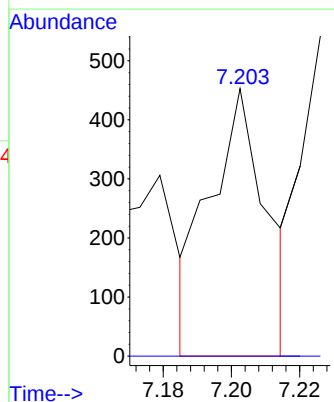
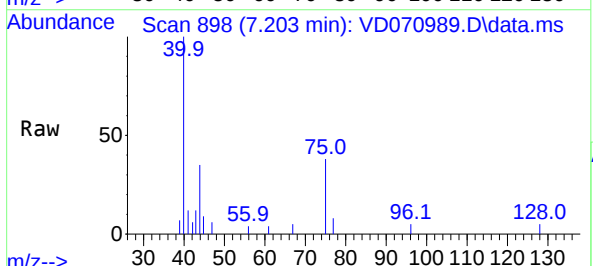


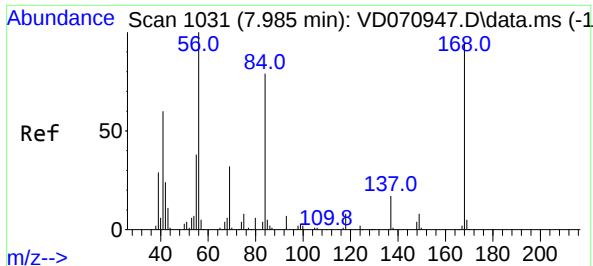
Tgt Ion: 43 Resp: 465
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 20.655 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.006 min
 Lab File: VD070989.D
 Acq: 11 Nov 2021 14:03

Tgt Ion: 43 Resp: 517
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 2.107 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070989.D

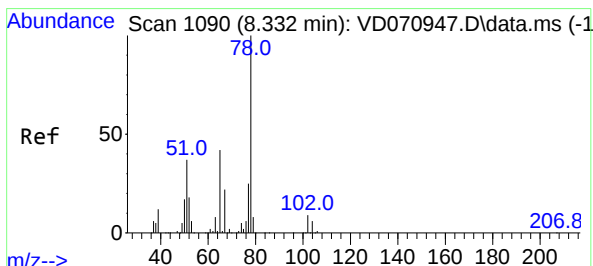
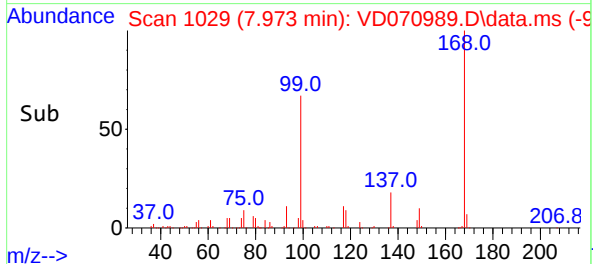
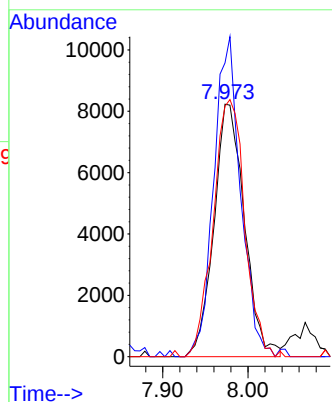
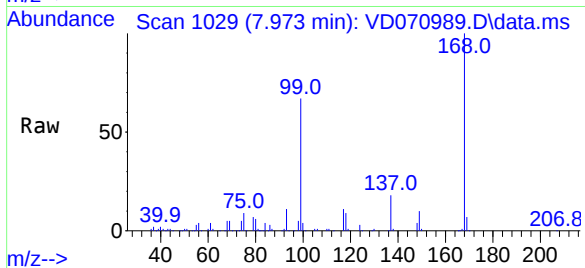
Acq: 11 Nov 2021 14:03

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	56	Resp:	20514
Ion	Ratio	Lower	Upper
56	100		
69	116.4	25.9	38.9#
84	99.2	64.3	96.5#



#33

1,2-Dichloroethane-d4

Concen: 59.663 ug/l

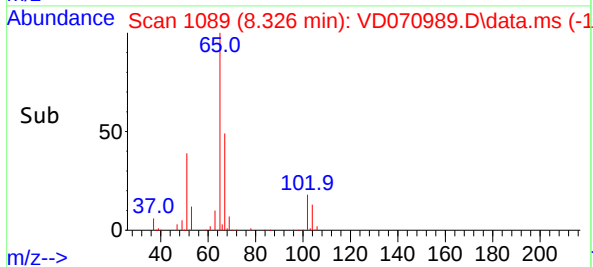
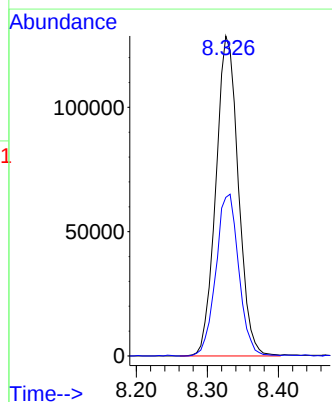
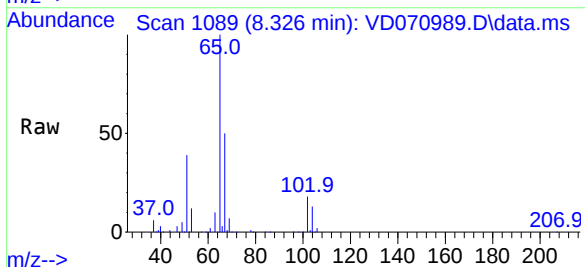
RT: 8.326 min Scan# 1089

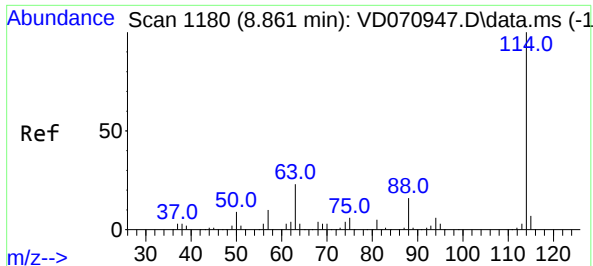
Delta R.T. -0.006 min

Lab File: VD070989.D

Acq: 11 Nov 2021 14:03

Tgt Ion:	65	Resp:	282455
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070989.D

Acq: 11 Nov 2021 14:03

Instrument :

MSVOA_D

ClientSampleId :

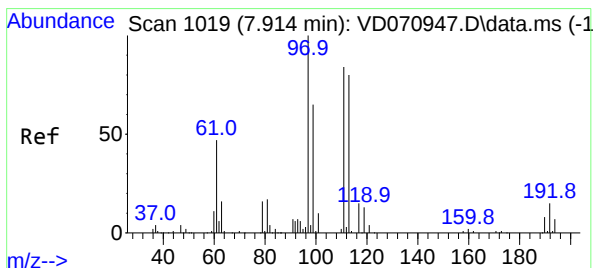
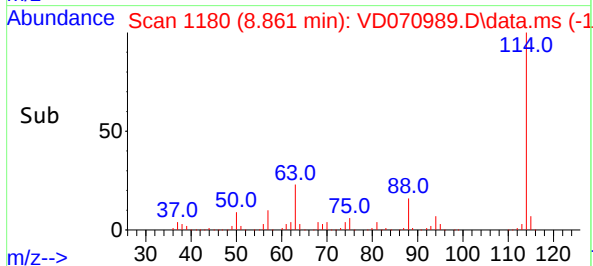
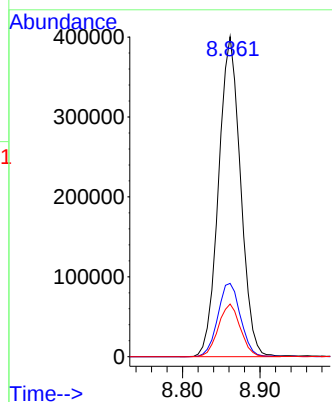
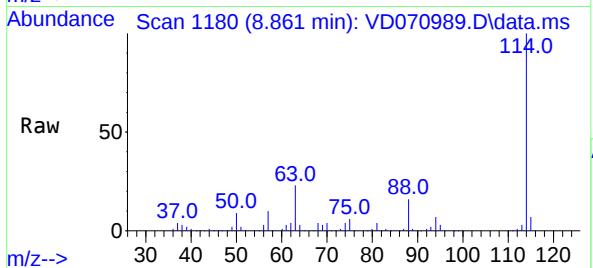
Tgt Ion:114 Resp: 787854

Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 56.253 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070989.D

Acq: 11 Nov 2021 14:03

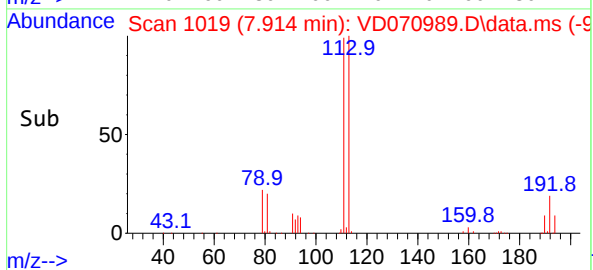
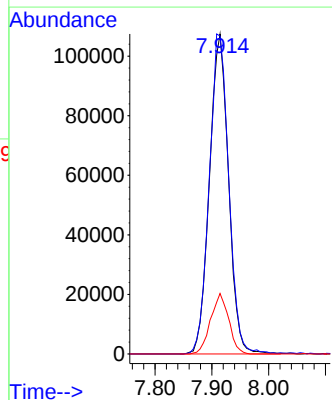
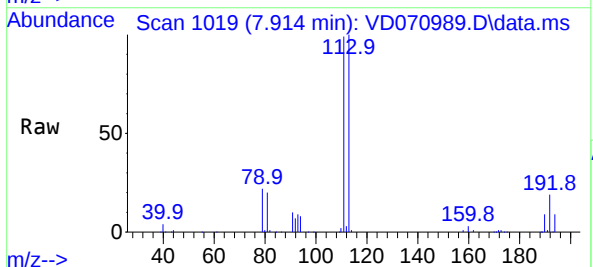
Tgt Ion:113 Resp: 250084

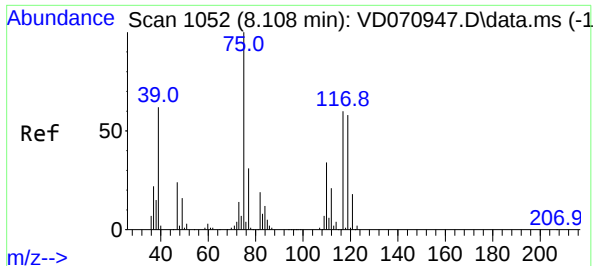
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 17.9 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.695 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070989.D

Acq: 11 Nov 2021 14:03

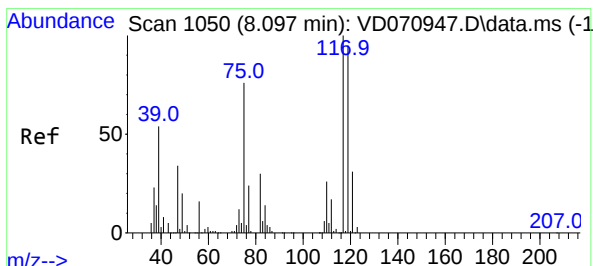
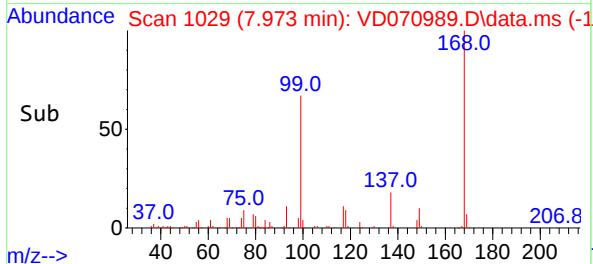
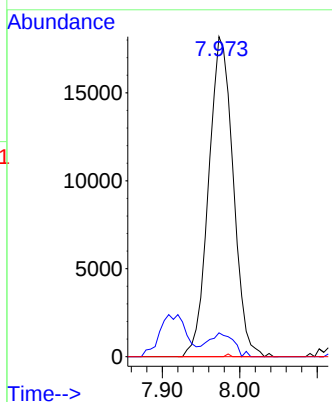
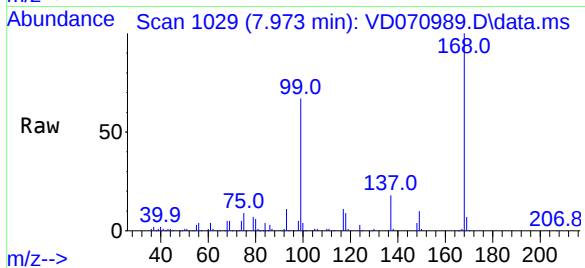
Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 40064

Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.8	53.4#
77	0.1	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 7.415 ug/l

RT: 7.979 min Scan# 1030

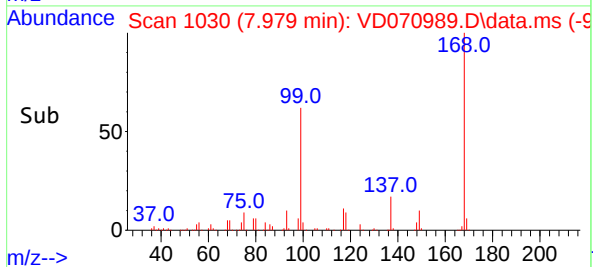
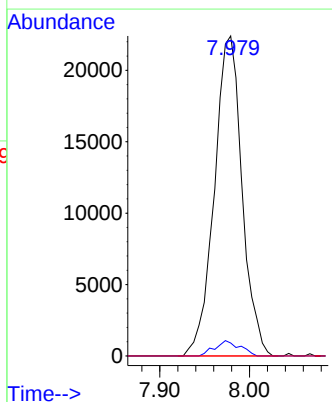
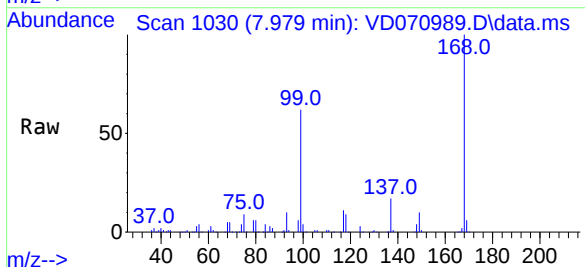
Delta R.T. -0.118 min

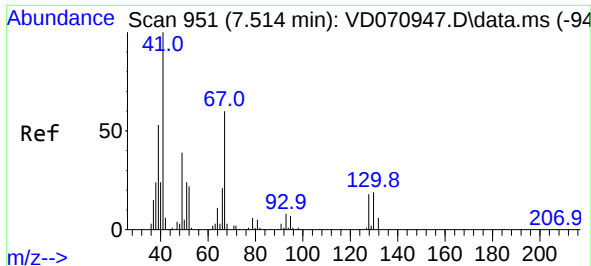
Lab File: VD070989.D

Acq: 11 Nov 2021 14:03

Tgt Ion: 117 Resp: 48034

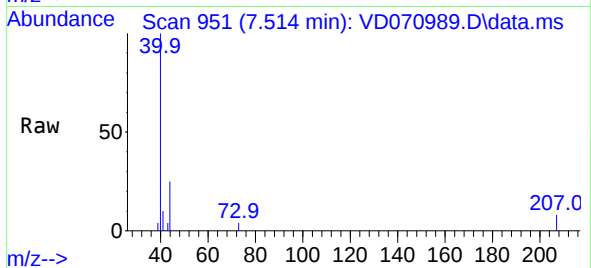
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.6#
121	0.0	23.6	35.4#



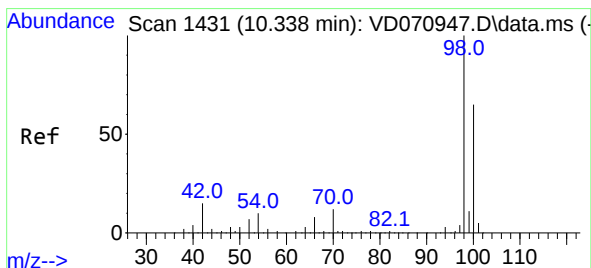
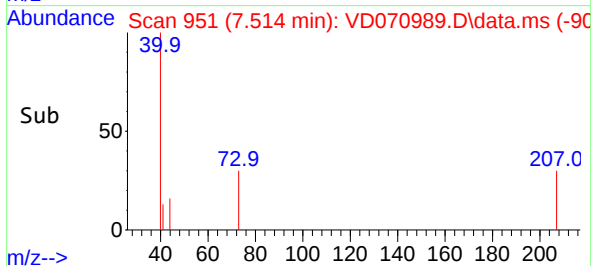
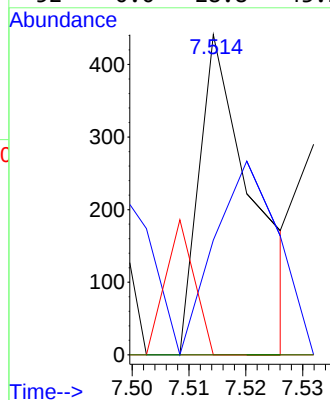


#41
Methacrylonitrile
Concen: 3.622 ug/l
RT: 7.514 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

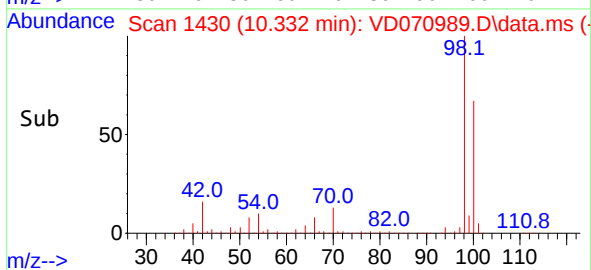
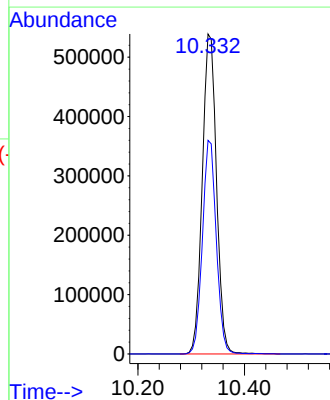
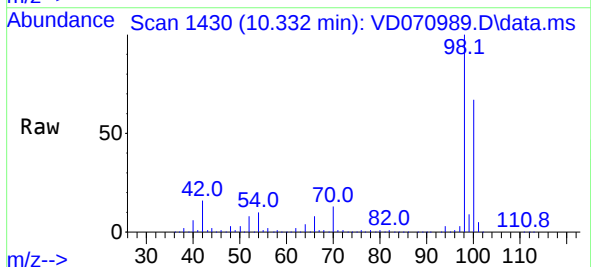


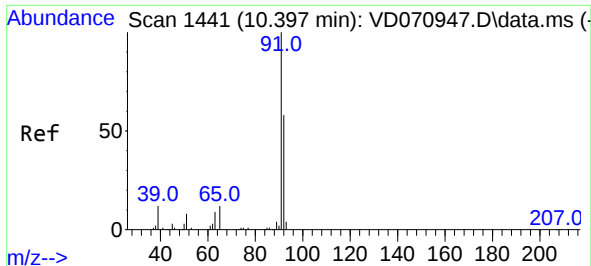
Tgt Ion: 41	Resp: 294
Ion Ratio	Lower Upper
41 100	
39 70.7	60.2 90.4
67 22.4	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 57.259 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Tgt Ion: 98	Resp: 996913
Ion Ratio	Lower Upper
98 100	
100 65.1	51.8 77.6

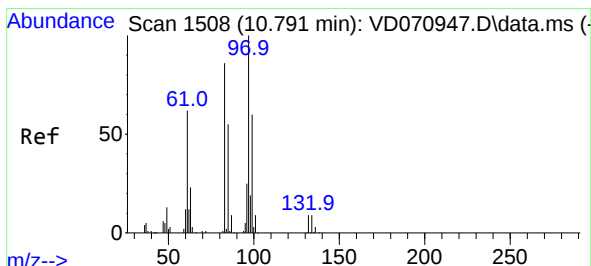
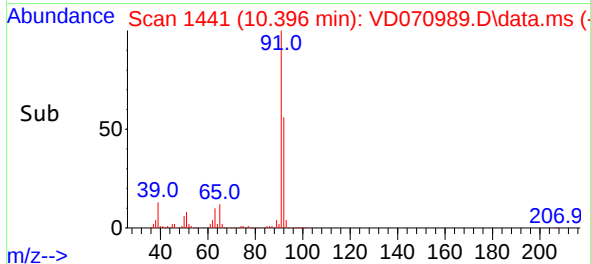
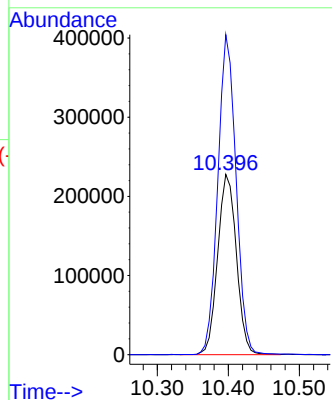
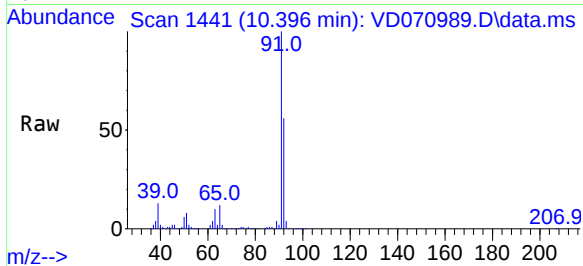




#52
Toluene
Concen: 33.321 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

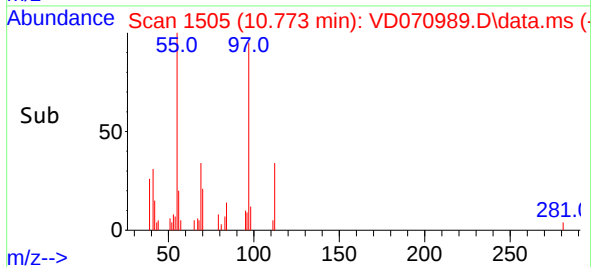
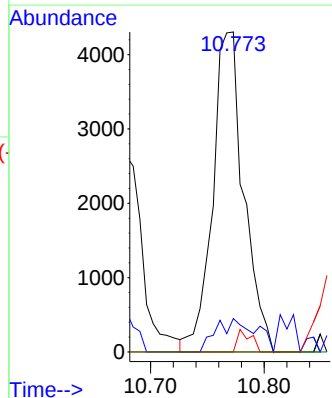
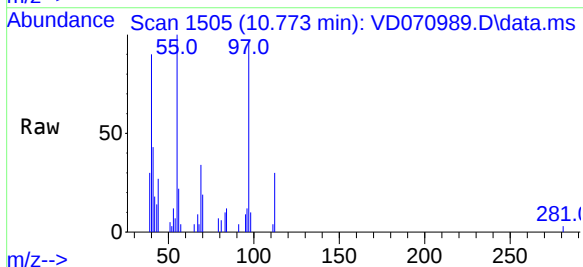
Instrument :
MSVOA_D
ClientSampleId :

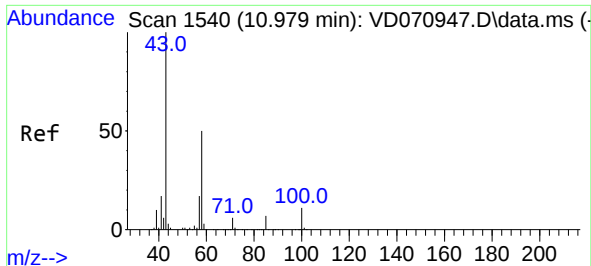
Tgt Ion: 92 Resp: 416095
Ion Ratio Lower Upper
92 100
91 173.0 140.7 211.1



#55
1,1,2-Trichloroethane
Concen: 2.339 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.018 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Tgt Ion: 97 Resp: 8198
Ion Ratio Lower Upper
97 100
83 10.4 65.2 97.8#
85 0.0 43.4 65.0#
99 0.0 52.1 78.1#

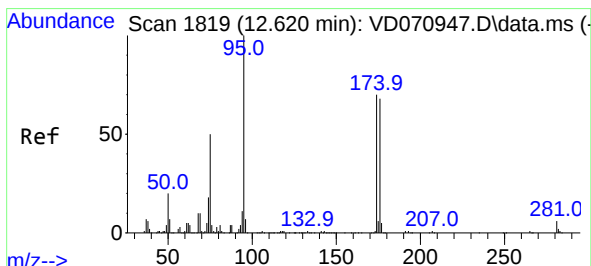
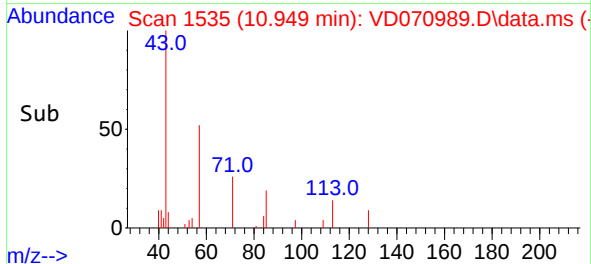
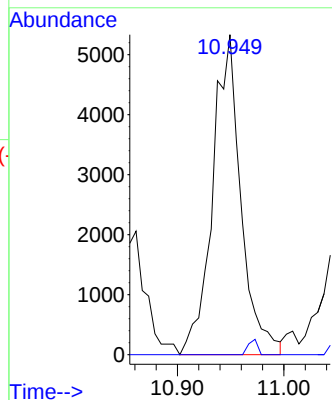
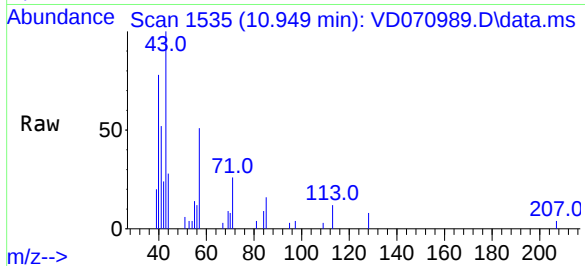




#59
2-Hexanone
Concen: 19.522 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

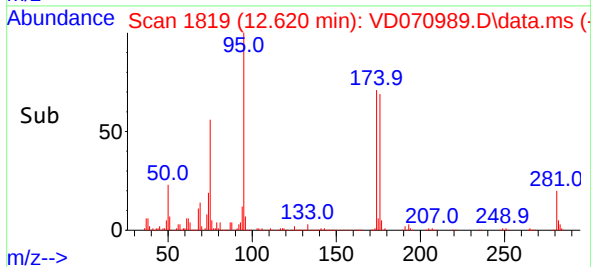
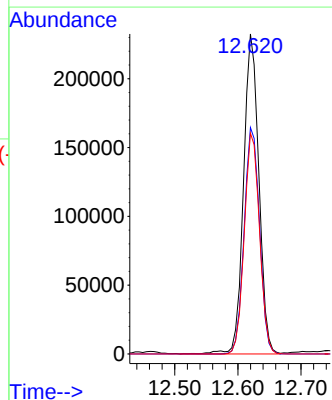
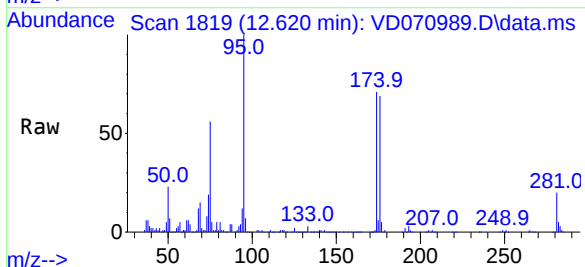
Instrument :
MSVOA_D
ClientSampleId :

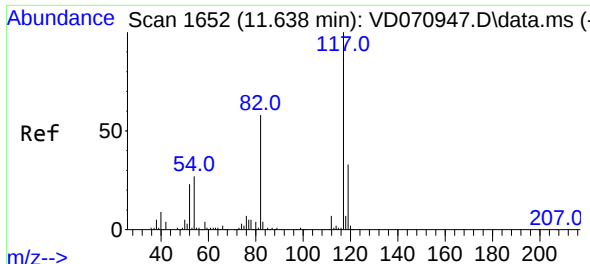
Tgt Ion: 43 Resp: 9867
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 62.505 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

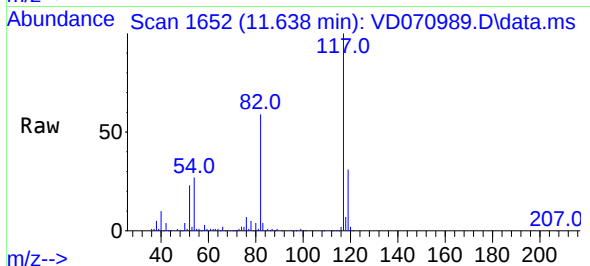
Tgt Ion: 95 Resp: 391829
Ion Ratio Lower Upper
95 100
174 71.2 0.0 159.4
176 68.6 0.0 154.0



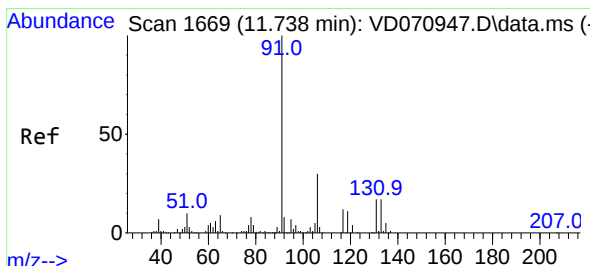
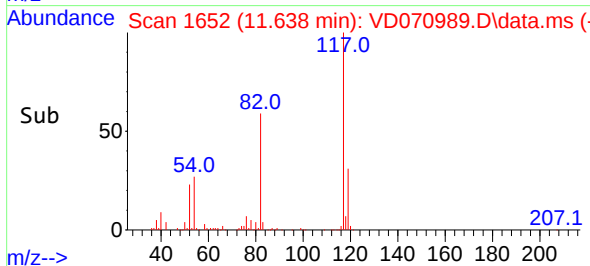
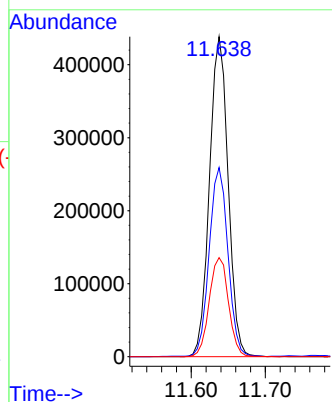


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

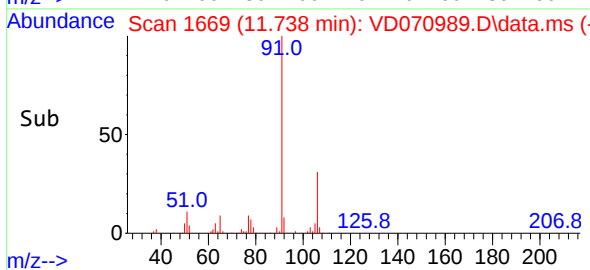
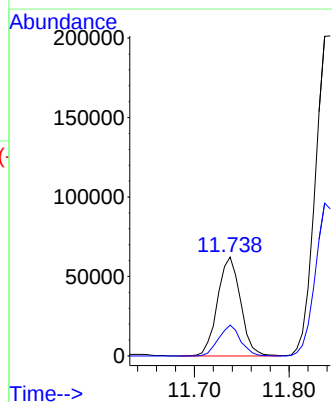
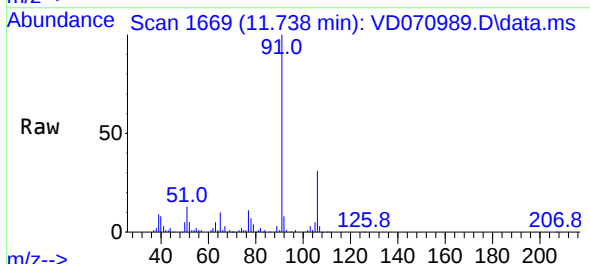


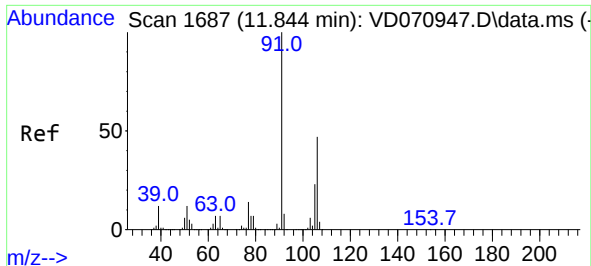
Tgt Ion:117 Resp: 765337
Ion Ratio Lower Upper
117 100
82 58.9 44.7 67.1
119 31.0 26.2 39.4



#67
Ethyl Benzene
Concen: 4.062 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Tgt Ion: 91 Resp: 105039
Ion Ratio Lower Upper
91 100
106 31.1 24.6 36.8

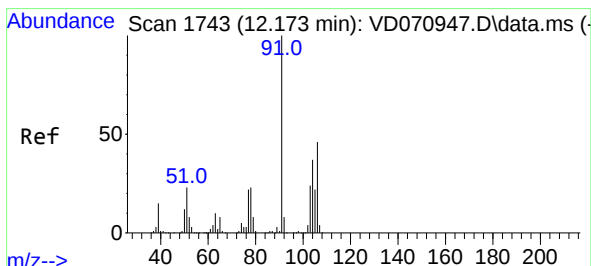
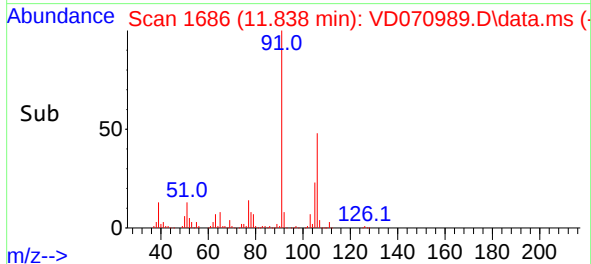
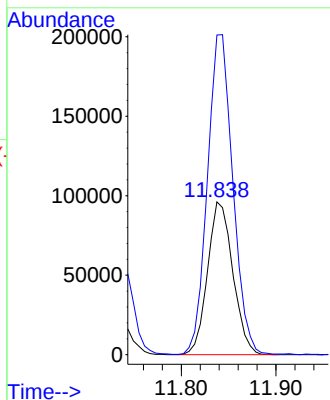
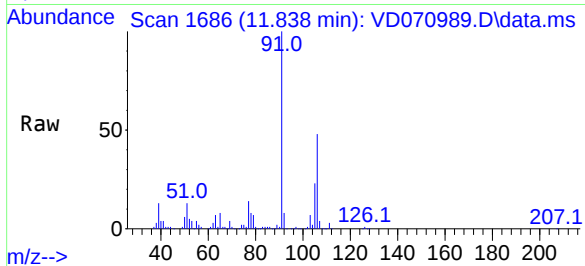




#68
m/p-Xylenes
Concen: 18.500 ug/l
RT: 11.838 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

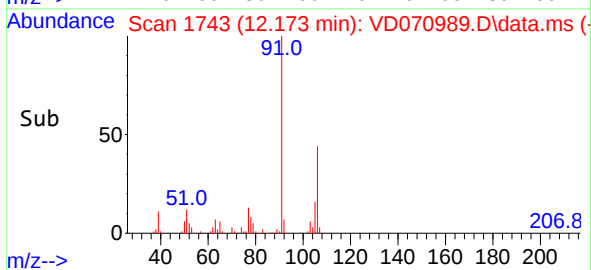
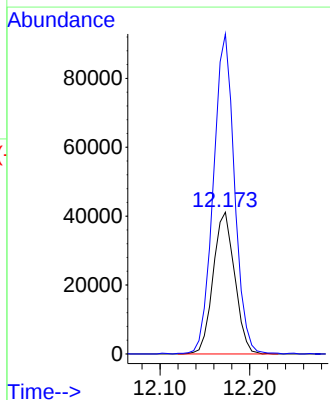
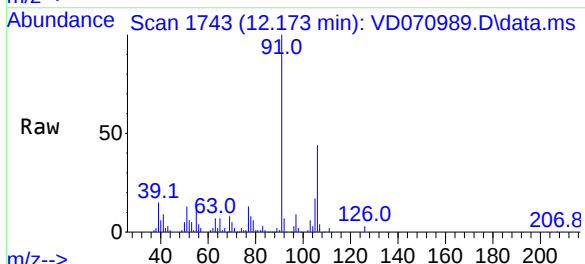
Instrument :
MSVOA_D
ClientSampleId :

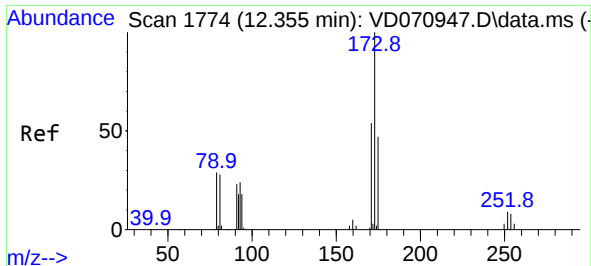
Tgt Ion:106 Resp: 178807
Ion Ratio Lower Upper
106 100
91 210.0 160.1 240.1



#69
o-Xylene
Concen: 7.448 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Tgt Ion:106 Resp: 68469
Ion Ratio Lower Upper
106 100
91 221.9 106.3 319.0

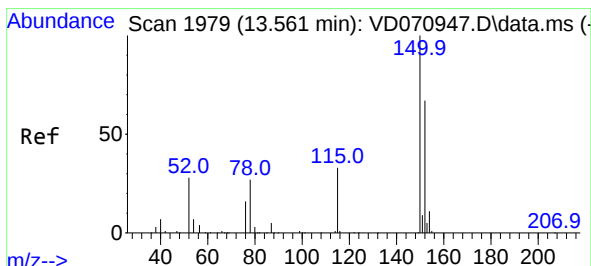
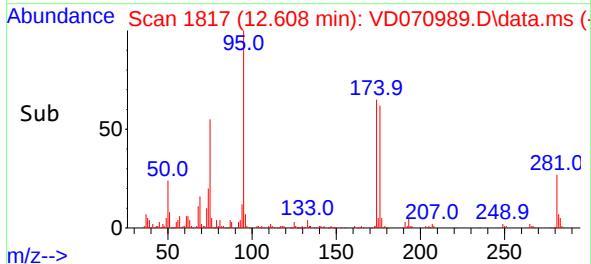
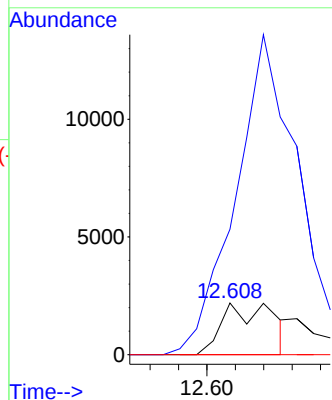
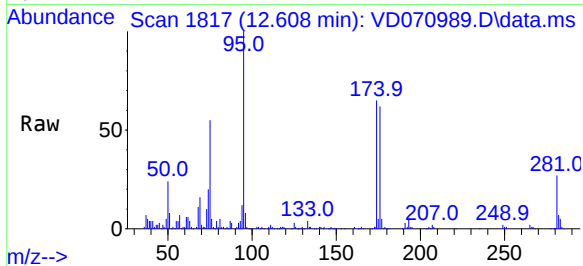




#71
Bromoform
Concen: 1.081 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. 0.253 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

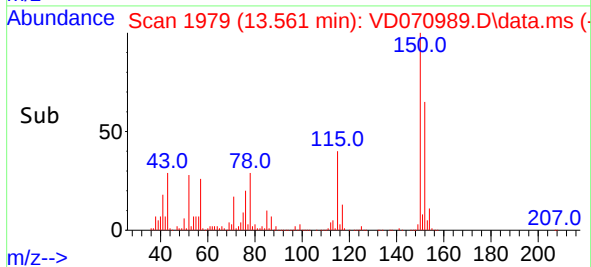
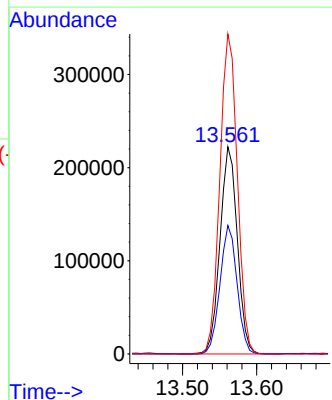
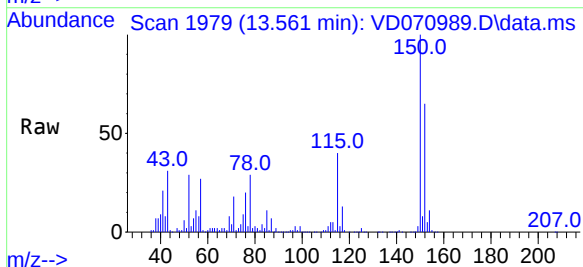
Instrument :
MSVOA_D
ClientSampleId :

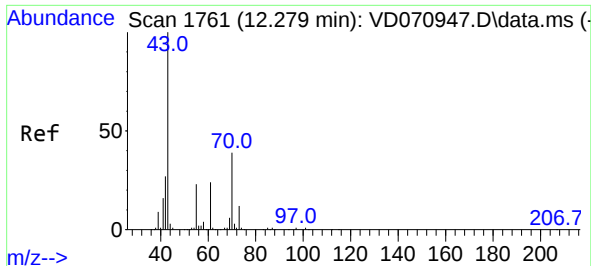
Tgt Ion:173 Resp: 2732
Ion Ratio Lower Upper
173 100
175 672.5 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

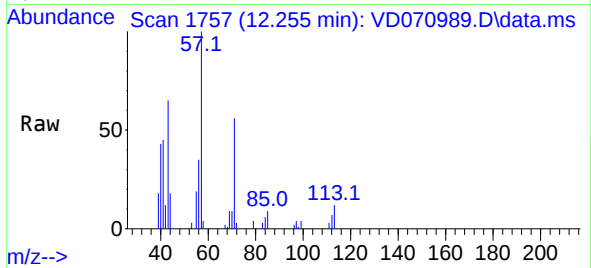
Tgt Ion:152 Resp: 361449
Ion Ratio Lower Upper
152 100
115 61.1 29.8 89.3
150 155.8 0.0 349.2



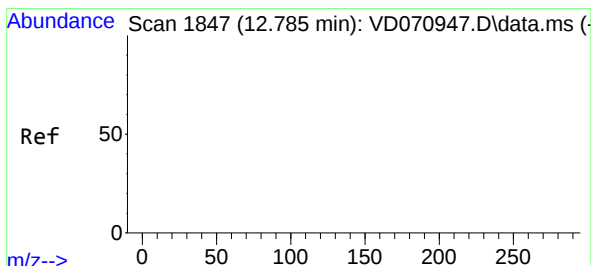
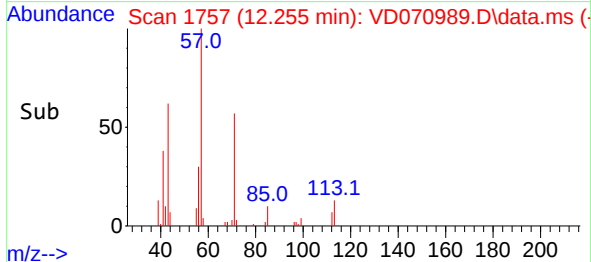
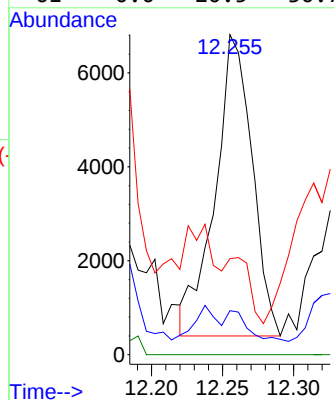


#74
N-amy1 acetate
Concen: 1.565 ug/l
RT: 12.255 min Scan# 11641
Delta R.T. -0.024 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

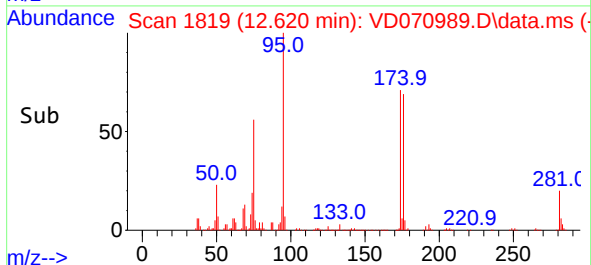
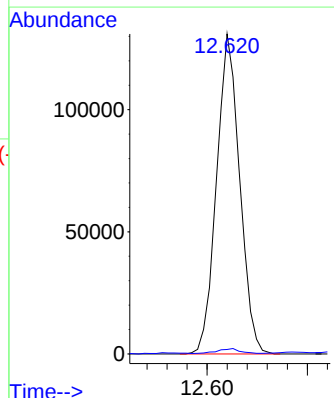
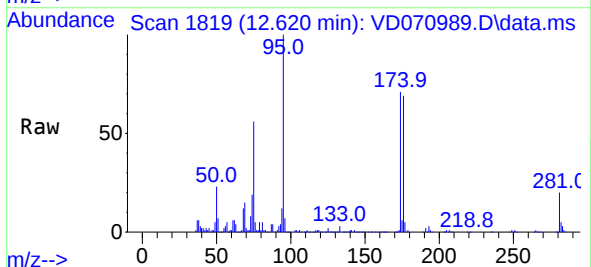


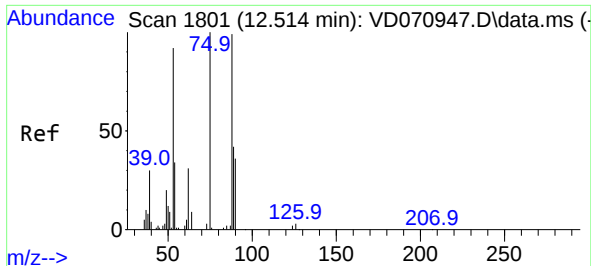
Tgt Ion: 43 Resp: 11641
Ion Ratio Lower Upper
43 100
70 6.8 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 67.872 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD070989.D
Acq: 11 Nov 2021 14:03

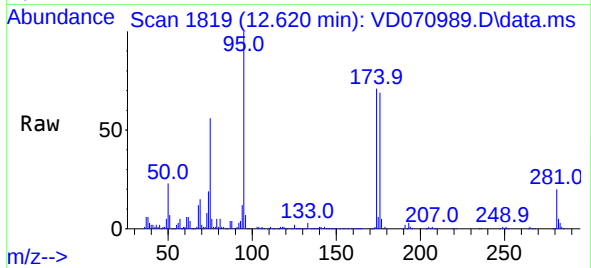
Tgt Ion: 75 Resp: 209554
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.325 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD070989.D
 Acq: 11 Nov 2021 14:03

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 209554
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.1 34.5 51.7#

